Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Shannon McDonald	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-30101-7908.1
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 5
Company: TTL, Inc.				Job #
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #: 600212024			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	8015B_DRO - (MOD) Diesel Range and Oil Range Organic	6010B, 7471A	8082 - TCL PCBs - OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	N	N	N	N		
PH-34 2'	12/10/12	10:35a	G	Solid		X						
PH-35 2'	12/10/12	11:10a	G	Solid		X						
PH-36 2'	12/10/12	11:25a	G	Solid		X						
PH-37 2.5'	12/10/12	11:35a	G	Solid		X						
PH-38 8'	12/10/12	12:00p	G	Solid		X						
PH-39 11.5'	12/10/12	1:10p	G	Solid			X	X				
PH-40 13'	12/10/12	2:40p	G	Solid			X	X				
PH-41 8'	12/10/12	3:25p	G	Solid			X	X				
PH-41 12'	12/10/12	3:30p	G	Solid			X	X				
PH-40 6'	12/10/12	2:30p	G	Solid			X	X				
PH-43 11'	12/10/12	4:30p	G	Solid			X	X				

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment		
Relinquished by: Shannon McDonald	Date/Time: 12/10/12 17:35	Company:	Received by: R English	Date/Time: 12-10-12, 17:35	Company: SMA
Relinquished by: R English	Date/Time: 12-10-12 / 19:00	Company: SMA	Received by: [illegible]	Date/Time: 12/11/12 0800	Company: [illegible]
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.0 61

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Shannon McDonald	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-30100-7906 1
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 3
Company: TTL, Inc.				Job #
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #: 60021 2-024			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7470A									Total Number of containers	Special Instructions/Note:
				Preservation Code:			A	N	D										
PH-40	12/10/12	4:40p	C	Water			X	X											
				Water															
				Water															
				Water															
				Water															
				Water															
				Water															
				Water															
				Water															
				Water															
				Water															

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritent ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV, Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment	
Relinquished by: Shannon McDonald	Date/Time: 12/10/12 17:35	Company:	Received by: [illegible]	Date/Time: 12-10-12, 17:35	Company: JAN
Relinquished by: [illegible]	Date/Time: 12-10-12, 19:00	Company: JAN	Received by: [illegible]	Date/Time: 12/11/12 0800	Company: TA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No :	Cooler Temperature(s) °C and Other Remarks: 3.0 81

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-29905-1

Login Number: 29905
List Number: 1
Creator: Janish, Carl

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TTL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-29991-1
Client Project/Site: Magna

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Authorized for release by:
12/26/2012 11:05:14 AM
Lisa Shaffer
Project Manager I
lisa.shaffer@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS SeV i OAc

Qualifier	Qualifier Desprintion
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

GC SeV i OAc

Qualifier	Qualifier Desprintion
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
X	Surrogate is outside control limits
F	RPD of the MS and MSD exceeds the control limits
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

c bbreviation	These poV V only used abbreviations V ay or V ay not be mresent in this remort.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Job ID: 480-29991-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-29991-1

Comments
No additional comments.

Receipt
The samples were received on 12/12/2012 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º C.

GC/MS Semi VOA
Method(s) 8270C: The laboratory control sample (LCS) for preparation batch 480-95464 exceeded control limits for the following analyte: Acetophenone. This analyte failed below the reporting limits; however, this analyte was not detected to the associated samples.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: The following samples were diluted due to the abundance of target analytes: (480-29991-1 MS), (480-29991-1 MSD), PH-44 6' (480-29991-1), PH-47 6' (480-29991-2). As such, surrogate recoveries are not reported or not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 95463 were outside control limits: (480-29991-1 MS), (480-29991-1 MSD). Matrix interference is suspected.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3550B: Due to the matrix, the following sample could not be concentrated to the final method required volume: (480-29991-1 MS). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-44 6' — Lab Sample ID: 480-29991-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	42	J	1000	13	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	200	J	1000	22	ug/Kg	5	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	3800		200	61	mg/Kg	10	☼	8015B	Total/NA

Client Sample ID: PH-47 6' — Lab Sample ID: 480-29991-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	39	J	200	2.4	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	790		200	65	ug/Kg	1	☼	8270C	Total/NA
Dibenzofuran	26	J	200	2.1	ug/Kg	1	☼	8270C	Total/NA
Fluorene	49	J	200	4.7	ug/Kg	1	☼	8270C	Total/NA
N-Nitrosodiphenylamine	130	J	200	11	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	15	J	200	3.4	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	210		200	4.2	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	3100		200	60	mg/Kg	10	☼	8015B	Total/NA

Client Sample ID: PH-48 13' — Lab Sample ID: 480-29991-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	570		180	57	ug/Kg	1	☼	8270C	Total/NA
Di-n-octyl phthalate	28	J	180	4.2	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	22	J	180	2.6	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	21	J	180	3.7	ug/Kg	1	☼	8270C	Total/NA
Pyrene	22	J	180	1.1	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	110		18	5.3	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-49 4' — Lab Sample ID: 480-29991-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	7.6	J	22	6.6	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-50 5' — Lab Sample ID: 480-29991-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	1700		180	57	ug/Kg	1	☼	8270C	Total/NA
Butyl benzyl phthalate	190		180	48	ug/Kg	1	☼	8270C	Total/NA
Dimethyl phthalate	52	J	180	4.6	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	17	J	180	2.6	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	14	J	180	3.7	ug/Kg	1	☼	8270C	Total/NA
Pyrene	18	J	180	1.1	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	120		18	5.3	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-51 9' — Lab Sample ID: 480-29991-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	1100		190	61	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	12	J	190	4.0	ug/Kg	1	☼	8270C	Total/NA
Pyrene	13	J	190	1.2	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	44		19	5.6	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-52 8' — Lab Sample ID: 480-29991-7

Detection Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-52 8' (Continued) — Lab Sample ID: 480-29991-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	320		200	65	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: PH-53 8' — Lab Sample ID: 480-29991-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	400		200	65	ug/Kg	1	☼	8270C	Total/NA
Di-n-octyl phthalate	55	J	200	4.7	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	9.4	J	200	2.9	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	4.8	J	200	4.2	ug/Kg	1	☼	8270C	Total/NA
Pyrene	11	J	200	1.3	ug/Kg	1	☼	8270C	Total/NA

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-44 6'
Date Collected: 12/11/12 08:00
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-1
Matrix: Solid
Percent Solids: 81.2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	1000	U	1000	64	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
bis (2-chloroisopropyl) ether	1000	U	1000	110	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2,4,5-Trichlorophenol	1000	U	1000	230	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2,4,6-Trichlorophenol	1000	U	1000	68	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2,4-Dichlorophenol	1000	U	1000	54	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2,4-Dimethylphenol	1000	U	1000	280	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2,4-Dinitrophenol	2000	U	2000	360	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2,4-Dinitrotoluene	1000	U	1000	160	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2,6-Dinitrotoluene	1000	U	1000	250	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2-Chloronaphthalene	1000	U	1000	69	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2-Chlorophenol	1000	U	1000	53	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2-Methylnaphthalene	**42**	**J**	1000	13	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2-Methylphenol	1000	U	1000	32	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2-Nitroaniline	2000	U	2000	330	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
2-Nitrophenol	1000	U	1000	47	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
3,3'-Dichlorobenzidine	1000	U	1000	910	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
3-Nitroaniline	2000	U	2000	240	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
4,6-Dinitro-2-methylphenol	2000	U	2000	360	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
4-Bromophenyl phenyl ether	1000	U	1000	330	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
4-Chloro-3-methylphenol	1000	U	1000	42	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
4-Chloroaniline	1000	U	1000	300	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
4-Chlorophenyl phenyl ether	1000	U	1000	22	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
4-Methylphenol	2000	U	2000	58	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
4-Nitroaniline	2000	U	2000	120	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
4-Nitrophenol	2000	U	2000	250	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Acenaphthene	1000	U	1000	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Acenaphthylene	1000	U	1000	8.4	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Acetophenone	1000	U *	1000	53	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Anthracene	1000	U	1000	26	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Atrazine	1000	U	1000	46	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Benzaldehyde	1000	U	1000	110	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Benzo(a)anthracene	1000	U	1000	18	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Benzo(a)pyrene	1000	U	1000	25	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Benzo(b)fluoranthene	1000	U	1000	20	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Benzo(g,h,i)perylene	1000	U	1000	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Benzo(k)fluoranthene	1000	U	1000	11	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Bis(2-chloroethoxy)methane	1000	U	1000	56	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Bis(2-chloroethyl)ether	1000	U	1000	89	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Bis(2-ethylhexyl) phthalate	1000	U	1000	330	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Butyl benzyl phthalate	1000	U	1000	280	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Caprolactam	1000	U	1000	450	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Carbazole	1000	U	1000	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Chrysene	1000	U	1000	10	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Di-n-butyl phthalate	1000	U	1000	360	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Di-n-octyl phthalate	1000	U	1000	24	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Dibenz(a,h)anthracene	1000	U	1000	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Dibenzofuran	1000	U	1000	11	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Diethyl phthalate	1000	U	1000	31	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Dimethyl phthalate	1000	U	1000	27	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-44 6'

Date Collected: 12/11/12 08:00
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-1
Matrix: Solid
Percent Solids: 81.2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	1000	U	1000	15	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Fluorene	1000	U	1000	24	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Hexachlorobenzene	1000	U	1000	51	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Hexachlorobutadiene	1000	U	1000	53	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Hexachlorocyclopentadiene	1000	U	1000	310	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Hexachloroethane	1000	U	1000	80	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Indeno(1,2,3-cd)pyrene	1000	U	1000	29	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Isophorone	1000	U	1000	52	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
N-Nitrosodi-n-propylamine	1000	U	1000	82	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
N-Nitrosodiphenylamine	1000	U	1000	56	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Naphthalene	1000	U	1000	17	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Nitrobenzene	1000	U	1000	46	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Pentachlorophenol	2000	U	2000	350	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Phenanthrene	**200**	**J**	1000	22	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Phenol	1000	U	1000	110	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5
Pyrene	1000	U	1000	6.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*39 - 146*	*12/12/12 15:43*	*12/14/12 16:03*	*5*
2-Fluorobiphenyl	*89*		*37 - 120*	*12/12/12 15:43*	*12/14/12 16:03*	*5*
2-Fluorophenol	*68*		*18 - 120*	*12/12/12 15:43*	*12/14/12 16:03*	*5*
Nitrobenzene-d5	*83*		*34 - 132*	*12/12/12 15:43*	*12/14/12 16:03*	*5*
p-Terphenyl-d14	*90*		*65 - 153*	*12/12/12 15:43*	*12/14/12 16:03*	*5*
Phenol-d5	*80*		*11 - 120*	*12/12/12 15:43*	*12/14/12 16:03*	*5*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3800**		200	61	mg/Kg	☼	12/12/12 15:38	12/14/12 10:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*48 - 125*	*12/12/12 15:38*	*12/14/12 10:05*	*10*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-47 6'
Date Collected: 12/11/12 09:40
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-2
Matrix: Solid
Percent Solids: 83.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	13	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
bis (2-chloroisopropyl) ether	200	U	200	21	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2,4,5-Trichlorophenol	200	U	200	44	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2,4,6-Trichlorophenol	200	U	200	13	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2,4-Dichlorophenol	200	U	200	11	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2,4-Dimethylphenol	200	U	200	55	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2,4-Dinitrophenol	390	U	390	71	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2,4-Dinitrotoluene	200	U	200	31	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2,6-Dinitrotoluene	200	U	200	49	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2-Chloronaphthalene	200	U	200	14	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2-Chlorophenol	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2-Methylnaphthalene	**39**	**J**	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2-Methylphenol	200	U	200	6.2	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2-Nitroaniline	390	U	390	65	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
2-Nitrophenol	200	U	200	9.2	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
3,3'-Dichlorobenzidine	200	U	200	180	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
3-Nitroaniline	390	U	390	46	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
4,6-Dinitro-2-methylphenol	390	U	390	70	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
4-Bromophenyl phenyl ether	200	U	200	64	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
4-Chloro-3-methylphenol	200	U	200	8.3	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
4-Chloroaniline	200	U	200	59	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
4-Chlorophenyl phenyl ether	200	U	200	4.3	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
4-Methylphenol	390	U	390	11	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
4-Nitroaniline	390	U	390	23	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
4-Nitrophenol	390	U	390	49	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Acenaphthene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Acenaphthylene	200	U	200	1.7	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Acetophenone	200	U *	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Anthracene	200	U	200	5.2	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Atrazine	200	U	200	9.0	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Benzaldehyde	200	U	200	22	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Benzo(a)anthracene	200	U	200	3.5	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Benzo(a)pyrene	200	U	200	4.9	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Benzo(b)fluoranthene	200	U	200	3.9	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Benzo(g,h,i)perylene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Benzo(k)fluoranthene	200	U	200	2.2	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Bis(2-chloroethoxy)methane	200	U	200	11	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Bis(2-chloroethyl)ether	200	U	200	17	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Bis(2-ethylhexyl) phthalate	**790**		200	65	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Butyl benzyl phthalate	200	U	200	54	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Caprolactam	200	U	200	87	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Carbazole	200	U	200	2.3	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Chrysene	200	U	200	2.0	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Di-n-butyl phthalate	200	U	200	70	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Di-n-octyl phthalate	200	U	200	4.7	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Dibenz(a,h)anthracene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Dibenzofuran	**26**	**J**	200	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Diethyl phthalate	200	U	200	6.1	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Dimethyl phthalate	200	U	200	5.3	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1

Client Sample ID: PH-47 6'

Date Collected: 12/11/12 09:40
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-2
Matrix: Solid
Percent Solids: 83.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	200	U	200	2.9	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Fluorene	**49**	**J**	200	4.7	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Hexachlorobenzene	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Hexachlorobutadiene	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Hexachlorocyclopentadiene	200	U	200	61	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Hexachloroethane	200	U	200	16	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Indeno(1,2,3-cd)pyrene	200	U	200	5.6	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Isophorone	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
N-Nitrosodi-n-propylamine	200	U	200	16	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
N-Nitrosodiphenylamine	**130**	**J**	200	11	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Naphthalene	**15**	**J**	200	3.4	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Nitrobenzene	200	U	200	8.9	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Pentachlorophenol	390	U	390	69	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Phenanthrene	**210**		200	4.2	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Phenol	200	U	200	21	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1
Pyrene	200	U	200	1.3	ug/Kg	☼	12/12/12 15:43	12/14/12 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*39 - 146*	*12/12/12 15:43*	*12/14/12 19:21*	*1*
2-Fluorobiphenyl	*83*		*37 - 120*	*12/12/12 15:43*	*12/14/12 19:21*	*1*
2-Fluorophenol	*68*		*18 - 120*	*12/12/12 15:43*	*12/14/12 19:21*	*1*
Nitrobenzene-d5	*83*		*34 - 132*	*12/12/12 15:43*	*12/14/12 19:21*	*1*
p-Terphenyl-d14	*102*		*65 - 153*	*12/12/12 15:43*	*12/14/12 19:21*	*1*
Phenol-d5	*80*		*11 - 120*	*12/12/12 15:43*	*12/14/12 19:21*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3100**		200	60	mg/Kg	☼	12/12/12 15:38	12/14/12 10:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*48 - 125*	*12/12/12 15:38*	*12/14/12 10:38*	*10*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-48 13'
Date Collected: 12/11/12 10:25
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-3
Matrix: Solid
Percent Solids: 94.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	180	U	180	11	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2,4,5-Trichlorophenol	180	U	180	39	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2,4-Dichlorophenol	180	U	180	9.3	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2,4-Dimethylphenol	180	U	180	48	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2,4-Dinitrophenol	350	U	350	62	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2,6-Dinitrotoluene	180	U	180	43	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2-Chlorophenol	180	U	180	9.0	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2-Methylnaphthalene	180	U	180	2.2	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2-Methylphenol	180	U	180	5.5	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2-Nitroaniline	350	U	350	57	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
2-Nitrophenol	180	U	180	8.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
3-Nitroaniline	350	U	350	41	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
4,6-Dinitro-2-methylphenol	350	U	350	61	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
4-Bromophenyl phenyl ether	180	U	180	57	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
4-Chloro-3-methylphenol	180	U	180	7.3	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
4-Chloroaniline	180	U	180	52	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
4-Chlorophenyl phenyl ether	180	U	180	3.8	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
4-Methylphenol	350	U	350	9.9	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
4-Nitroaniline	350	U	350	20	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
4-Nitrophenol	350	U	350	43	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Acenaphthene	180	U	180	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Acetophenone	180	U *	180	9.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Anthracene	180	U	180	4.5	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Atrazine	180	U	180	7.9	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Benzaldehyde	180	U	180	19	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Benzo(a)anthracene	180	U	180	3.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Benzo(a)pyrene	180	U	180	4.3	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Benzo(b)fluoranthene	180	U	180	3.4	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Benzo(g,h,i)perylene	180	U	180	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Benzo(k)fluoranthene	180	U	180	2.0	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Bis(2-chloroethoxy)methane	180	U	180	9.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Bis(2-chloroethyl)ether	180	U	180	15	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Bis(2-ethylhexyl) phthalate	**570**		180	57	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Butyl benzyl phthalate	180	U	180	48	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Caprolactam	180	U	180	77	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Carbazole	180	U	180	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Chrysene	180	U	180	1.8	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Di-n-butyl phthalate	180	U	180	61	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Di-n-octyl phthalate	**28**	**J**	180	4.2	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Dibenz(a,h)anthracene	180	U	180	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Dibenzofuran	180	U	180	1.8	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Diethyl phthalate	180	U	180	5.4	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Dimethyl phthalate	180	U	180	4.6	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-48 13'

Date Collected: 12/11/12 10:25
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-3

Matrix: Solid
Percent Solids: 94.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**22**	**J**	180	2.6	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Fluorene	180	U	180	4.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Hexachlorobenzene	180	U	180	8.8	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Hexachlorobutadiene	180	U	180	9.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Hexachlorocyclopentadiene	180	U	180	54	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Indeno(1,2,3-cd)pyrene	180	U	180	4.9	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Isophorone	180	U	180	8.9	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
N-Nitrosodi-n-propylamine	180	U	180	14	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
N-Nitrosodiphenylamine	180	U	180	9.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Naphthalene	180	U	180	3.0	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Nitrobenzene	180	U	180	7.9	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Pentachlorophenol	350	U	350	61	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Phenanthrene	**21**	**J**	180	3.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Phenol	180	U	180	19	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1
Pyrene	**22**	**J**	180	1.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*39 - 146*	*12/12/12 15:43*	*12/14/12 16:30*	*1*
2-Fluorobiphenyl	*92*		*37 - 120*	*12/12/12 15:43*	*12/14/12 16:30*	*1*
2-Fluorophenol	*75*		*18 - 120*	*12/12/12 15:43*	*12/14/12 16:30*	*1*
Nitrobenzene-d5	*84*		*34 - 132*	*12/12/12 15:43*	*12/14/12 16:30*	*1*
p-Terphenyl-d14	*104*		*65 - 153*	*12/12/12 15:43*	*12/14/12 16:30*	*1*
Phenol-d5	*83*		*11 - 120*	*12/12/12 15:43*	*12/14/12 16:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		18	5.3	mg/Kg	☼	12/12/12 15:38	12/13/12 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*48 - 125*	*12/12/12 15:38*	*12/13/12 23:41*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22	0.043	mg/Kg	☼	12/12/12 14:28	12/13/12 10:21	1
PCB-1221	0.22	U	0.22	0.043	mg/Kg	☼	12/12/12 14:28	12/13/12 10:21	1
PCB-1232	0.22	U	0.22	0.043	mg/Kg	☼	12/12/12 14:28	12/13/12 10:21	1
PCB-1242	0.22	U	0.22	0.043	mg/Kg	☼	12/12/12 14:28	12/13/12 10:21	1
PCB-1248	0.22	U	0.22	0.043	mg/Kg	☼	12/12/12 14:28	12/13/12 10:21	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg	☼	12/12/12 14:28	12/13/12 10:21	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg	☼	12/12/12 14:28	12/13/12 10:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*36 - 182*	*12/12/12 14:28*	*12/13/12 10:21*	*1*
Tetrachloro-m-xylene	*38*		*24 - 172*	*12/12/12 14:28*	*12/13/12 10:21*	*1*

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-49 4'

Lab Sample ID: 480-29991-4
Date Collected: 12/11/12 11:20
Matrix: Solid
Date Received: 12/12/12 08:00
Percent Solids: 75.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	220	U	220	14	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
bis (2-chloroisopropyl) ether	220	U	220	23	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2,4,5-Trichlorophenol	220	U	220	48	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2,4,6-Trichlorophenol	220	U	220	15	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2,4-Dichlorophenol	220	U	220	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2,4-Dimethylphenol	220	U	220	60	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2,4-Dinitrophenol	430	U	430	78	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2,4-Dinitrotoluene	220	U	220	34	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2,6-Dinitrotoluene	220	U	220	54	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2-Chloronaphthalene	220	U	220	15	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2-Chlorophenol	220	U	220	11	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2-Methylnaphthalene	220	U	220	2.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2-Methylphenol	220	U	220	6.8	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2-Nitroaniline	430	U	430	71	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
2-Nitrophenol	220	U	220	10	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
3,3'-Dichlorobenzidine	220	U	220	190	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
3-Nitroaniline	430	U	430	51	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
4,6-Dinitro-2-methylphenol	430	U	430	77	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
4-Bromophenyl phenyl ether	220	U	220	71	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
4-Chloro-3-methylphenol	220	U	220	9.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
4-Chloroaniline	220	U	220	65	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
4-Chlorophenyl phenyl ether	220	U	220	4.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
4-Methylphenol	430	U	430	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
4-Nitroaniline	430	U	430	25	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
4-Nitrophenol	430	U	430	54	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Acenaphthene	220	U	220	2.6	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Acenaphthylene	220	U	220	1.8	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Acetophenone	220	U *	220	11	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Anthracene	220	U	220	5.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Atrazine	220	U	220	9.9	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Benzaldehyde	220	U	220	24	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Benzo(a)anthracene	220	U	220	3.8	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Benzo(a)pyrene	220	U	220	5.3	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Benzo(b)fluoranthene	220	U	220	4.3	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Benzo(g,h,i)perylene	220	U	220	2.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Benzo(k)fluoranthene	220	U	220	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Bis(2-chloroethoxy)methane	220	U	220	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Bis(2-chloroethyl)ether	220	U	220	19	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Bis(2-ethylhexyl) phthalate	220	U	220	71	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Butyl benzyl phthalate	220	U	220	60	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Caprolactam	220	U	220	96	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Carbazole	220	U	220	2.6	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Chrysene	220	U	220	2.2	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Di-n-butyl phthalate	220	U	220	77	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Di-n-octyl phthalate	220	U	220	5.2	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Dibenz(a,h)anthracene	220	U	220	2.6	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Dibenzofuran	220	U	220	2.3	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Diethyl phthalate	220	U	220	6.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Dimethyl phthalate	220	U	220	5.8	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-49 4'

Date Collected: 12/11/12 11:20
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-4

Matrix: Solid
Percent Solids: 75.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	220	U	220	3.2	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Fluorene	220	U	220	5.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Hexachlorobenzene	220	U	220	11	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Hexachlorobutadiene	220	U	220	11	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Hexachlorocyclopentadiene	220	U	220	67	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Hexachloroethane	220	U	220	17	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Indeno(1,2,3-cd)pyrene	220	U	220	6.1	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Isophorone	220	U	220	11	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
N-Nitrosodi-n-propylamine	220	U	220	18	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
N-Nitrosodiphenylamine	220	U	220	12	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Naphthalene	220	U	220	3.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Nitrobenzene	220	U	220	9.8	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Pentachlorophenol	430	U	430	76	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Phenanthrene	220	U	220	4.7	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Phenol	220	U	220	23	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1
Pyrene	220	U	220	1.4	ug/Kg	☼	12/12/12 15:43	12/14/12 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*39 - 146*	*12/12/12 15:43*	*12/14/12 16:55*	*1*
2-Fluorobiphenyl	*82*		*37 - 120*	*12/12/12 15:43*	*12/14/12 16:55*	*1*
2-Fluorophenol	*59*		*18 - 120*	*12/12/12 15:43*	*12/14/12 16:55*	*1*
Nitrobenzene-d5	*79*		*34 - 132*	*12/12/12 15:43*	*12/14/12 16:55*	*1*
p-Terphenyl-d14	*96*		*65 - 153*	*12/12/12 15:43*	*12/14/12 16:55*	*1*
Phenol-d5	*80*		*11 - 120*	*12/12/12 15:43*	*12/14/12 16:55*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**7.6**	**J**	22	6.6	mg/Kg	☼	12/12/12 15:38	12/14/12 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*48 - 125*	*12/12/12 15:38*	*12/14/12 00:15*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-50 5'
Date Collected: 12/11/12 12:40
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-5
Matrix: Solid
Percent Solids: 94.0

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	180	U	180	11	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
bis (2-chloroisopropyl) ether	180	U	180	18	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2,4,5-Trichlorophenol	180	U	180	39	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2,4-Dichlorophenol	180	U	180	9.3	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2,4-Dimethylphenol	180	U	180	48	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2,4-Dinitrophenol	350	U	350	62	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2,4-Dinitrotoluene	180	U	180	27	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2,6-Dinitrotoluene	180	U	180	43	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2-Chlorophenol	180	U	180	9.0	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2-Methylnaphthalene	180	U	180	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2-Methylphenol	180	U	180	5.4	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2-Nitroaniline	350	U	350	57	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
2-Nitrophenol	180	U	180	8.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
3-Nitroaniline	350	U	350	41	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
4,6-Dinitro-2-methylphenol	350	U	350	61	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
4-Bromophenyl phenyl ether	180	U	180	56	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
4-Chloro-3-methylphenol	180	U	180	7.3	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
4-Chloroaniline	180	U	180	52	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
4-Chlorophenyl phenyl ether	180	U	180	3.8	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
4-Methylphenol	350	U	350	9.9	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
4-Nitroaniline	350	U	350	20	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
4-Nitrophenol	350	U	350	43	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Acenaphthene	180	U	180	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Acenaphthylene	180	U	180	1.4	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Acetophenone	180	U *	180	9.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Anthracene	180	U	180	4.5	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Atrazine	180	U	180	7.9	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Benzaldehyde	180	U	180	19	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Benzo(a)anthracene	180	U	180	3.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Benzo(a)pyrene	180	U	180	4.3	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Benzo(b)fluoranthene	180	U	180	3.4	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Benzo(g,h,i)perylene	180	U	180	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Benzo(k)fluoranthene	180	U	180	1.9	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Bis(2-chloroethoxy)methane	180	U	180	9.6	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Bis(2-chloroethyl)ether	180	U	180	15	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Bis(2-ethylhexyl) phthalate	**1700**		180	57	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Butyl benzyl phthalate	**190**		180	48	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Caprolactam	180	U	180	77	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Carbazole	180	U	180	2.0	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Chrysene	180	U	180	1.8	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Di-n-butyl phthalate	180	U	180	61	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Di-n-octyl phthalate	180	U	180	4.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Dibenz(a,h)anthracene	180	U	180	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Dibenzofuran	180	U	180	1.8	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Diethyl phthalate	180	U	180	5.3	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Dimethyl phthalate	**52**	**J**	180	4.6	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-50 5'

Date Collected: 12/11/12 12:40
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-5

Matrix: Solid
Percent Solids: 94.0

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**17**	**J**	180	2.6	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Fluorene	180	U	180	4.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Hexachlorobenzene	180	U	180	8.8	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Hexachlorobutadiene	180	U	180	9.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Hexachlorocyclopentadiene	180	U	180	54	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Indeno(1,2,3-cd)pyrene	180	U	180	4.9	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Isophorone	180	U	180	8.8	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
N-Nitrosodi-n-propylamine	180	U	180	14	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
N-Nitrosodiphenylamine	180	U	180	9.7	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Naphthalene	180	U	180	2.9	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Nitrobenzene	180	U	180	7.8	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Pentachlorophenol	350	U	350	61	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Phenanthrene	**14**	**J**	180	3.7	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Phenol	180	U	180	19	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1
Pyrene	**18**	**J**	180	1.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*39 - 146*	*12/12/12 15:43*	*12/14/12 17:19*	*1*
2-Fluorobiphenyl	*91*		*37 - 120*	*12/12/12 15:43*	*12/14/12 17:19*	*1*
2-Fluorophenol	*77*		*18 - 120*	*12/12/12 15:43*	*12/14/12 17:19*	*1*
Nitrobenzene-d5	*85*		*34 - 132*	*12/12/12 15:43*	*12/14/12 17:19*	*1*
p-Terphenyl-d14	*102*		*65 - 153*	*12/12/12 15:43*	*12/14/12 17:19*	*1*
Phenol-d5	*85*		*11 - 120*	*12/12/12 15:43*	*12/14/12 17:19*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**120**		18	5.3	mg/Kg	☼	12/12/12 15:38	12/14/12 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*48 - 125*	*12/12/12 15:38*	*12/14/12 00:48*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-51 9'
Date Collected: 12/11/12 14:40
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-6
Matrix: Solid
Percent Solids: 88.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
bis (2-chloroisopropyl) ether	190	U	190	20	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2,4,5-Trichlorophenol	190	U	190	41	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2,4-Dichlorophenol	190	U	190	9.9	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2,4-Dimethylphenol	190	U	190	51	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2,4-Dinitrophenol	370	U	370	66	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2,6-Dinitrotoluene	190	U	190	46	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2-Chloronaphthalene	190	U	190	13	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2-Chlorophenol	190	U	190	9.6	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2-Methylnaphthalene	190	U	190	2.3	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2-Methylphenol	190	U	190	5.8	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2-Nitroaniline	370	U	370	61	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
2-Nitrophenol	190	U	190	8.7	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
3,3'-Dichlorobenzidine	190	U	190	170	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
3-Nitroaniline	370	U	370	44	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
4,6-Dinitro-2-methylphenol	370	U	370	65	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
4-Bromophenyl phenyl ether	190	U	190	60	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
4-Chloro-3-methylphenol	190	U	190	7.8	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
4-Chloroaniline	190	U	190	56	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
4-Chlorophenyl phenyl ether	190	U	190	4.0	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
4-Methylphenol	370	U	370	11	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
4-Nitroaniline	370	U	370	21	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
4-Nitrophenol	370	U	370	46	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Acetophenone	190	U *	190	9.7	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Anthracene	190	U	190	4.8	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Atrazine	190	U	190	8.4	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Benzaldehyde	190	U	190	21	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Benzo(a)anthracene	190	U	190	3.3	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Benzo(a)pyrene	190	U	190	4.6	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Benzo(b)fluoranthene	190	U	190	3.7	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Benzo(g,h,i)perylene	190	U	190	2.3	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Benzo(k)fluoranthene	190	U	190	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Bis(2-ethylhexyl) phthalate	**1100**		190	61	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Butyl benzyl phthalate	190	U	190	51	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Caprolactam	190	U	190	82	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Carbazole	190	U	190	2.2	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Chrysene	190	U	190	1.9	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Di-n-butyl phthalate	190	U	190	65	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Di-n-octyl phthalate	190	U	190	4.4	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Dibenzofuran	190	U	190	2.0	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Diethyl phthalate	190	U	190	5.7	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Dimethyl phthalate	190	U	190	4.9	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-51 9'

Date Collected: 12/11/12 14:40
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-6
Matrix: Solid
Percent Solids: 88.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	190	U	190	2.7	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Fluorene	190	U	190	4.4	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Hexachlorobenzene	190	U	190	9.4	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Hexachlorobutadiene	190	U	190	9.7	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Hexachlorocyclopentadiene	190	U	190	57	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Hexachloroethane	190	U	190	15	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.2	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Isophorone	190	U	190	9.5	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Naphthalene	190	U	190	3.2	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Nitrobenzene	190	U	190	8.4	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Pentachlorophenol	370	U	370	65	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Phenanthrene	**12**	**J**	190	4.0	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Phenol	190	U	190	20	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1
Pyrene	**13**	**J**	190	1.2	ug/Kg	☼	12/12/12 15:43	12/14/12 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*39 - 146*	*12/12/12 15:43*	*12/14/12 17:43*	*1*
2-Fluorobiphenyl	*92*		*37 - 120*	*12/12/12 15:43*	*12/14/12 17:43*	*1*
2-Fluorophenol	*75*		*18 - 120*	*12/12/12 15:43*	*12/14/12 17:43*	*1*
Nitrobenzene-d5	*85*		*34 - 132*	*12/12/12 15:43*	*12/14/12 17:43*	*1*
p-Terphenyl-d14	*102*		*65 - 153*	*12/12/12 15:43*	*12/14/12 17:43*	*1*
Phenol-d5	*83*		*11 - 120*	*12/12/12 15:43*	*12/14/12 17:43*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**44**		19	5.6	mg/Kg	☼	12/12/12 15:39	12/14/12 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*48 - 125*	*12/12/12 15:39*	*12/14/12 01:22*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-52 8'
Date Collected: 12/11/12 16:00
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-7
Matrix: Solid
Percent Solids: 83.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	13	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
bis (2-chloroisopropyl) ether	200	U	200	21	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2,4,5-Trichlorophenol	200	U	200	44	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2,4,6-Trichlorophenol	200	U	200	13	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2,4-Dichlorophenol	200	U	200	11	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2,4-Dimethylphenol	200	U	200	54	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2,4-Dinitrophenol	390	U	390	70	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2,4-Dinitrotoluene	200	U	200	31	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2,6-Dinitrotoluene	200	U	200	49	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2-Chloronaphthalene	200	U	200	13	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2-Chlorophenol	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2-Methylnaphthalene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2-Methylphenol	200	U	200	6.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2-Nitroaniline	390	U	390	64	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
2-Nitrophenol	200	U	200	9.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
3,3'-Dichlorobenzidine	200	U	200	180	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
3-Nitroaniline	390	U	390	46	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
4,6-Dinitro-2-methylphenol	390	U	390	69	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
4-Bromophenyl phenyl ether	200	U	200	64	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
4-Chloro-3-methylphenol	200	U	200	8.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
4-Chloroaniline	200	U	200	59	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
4-Chlorophenyl phenyl ether	200	U	200	4.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
4-Methylphenol	390	U	390	11	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
4-Nitroaniline	390	U	390	22	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
4-Nitrophenol	390	U	390	49	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Acenaphthene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Acenaphthylene	200	U	200	1.6	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Acetophenone	200	U *	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Anthracene	200	U	200	5.1	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Atrazine	200	U	200	8.9	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Benzaldehyde	200	U	200	22	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Benzo(a)anthracene	200	U	200	3.5	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Benzo(a)pyrene	200	U	200	4.8	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Benzo(b)fluoranthene	200	U	200	3.9	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Benzo(g,h,i)perylene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Benzo(k)fluoranthene	200	U	200	2.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Bis(2-chloroethoxy)methane	200	U	200	11	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Bis(2-chloroethyl)ether	200	U	200	17	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Bis(2-ethylhexyl) phthalate	**320**		200	65	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Butyl benzyl phthalate	200	U	200	54	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Caprolactam	200	U	200	87	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Carbazole	200	U	200	2.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Chrysene	200	U	200	2.0	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Di-n-butyl phthalate	200	U	200	70	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Di-n-octyl phthalate	200	U	200	4.7	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Dibenz(a,h)anthracene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Dibenzofuran	200	U	200	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Diethyl phthalate	200	U	200	6.1	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Dimethyl phthalate	200	U	200	5.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-52 8'
Date Collected: 12/11/12 16:00
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-7
Matrix: Solid
Percent Solids: 83.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	200	U	200	2.9	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Fluorene	200	U	200	4.6	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Hexachlorobenzene	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Hexachlorobutadiene	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Hexachlorocyclopentadiene	200	U	200	61	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Hexachloroethane	200	U	200	16	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Indeno(1,2,3-cd)pyrene	200	U	200	5.6	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Isophorone	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
N-Nitrosodi-n-propylamine	200	U	200	16	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
N-Nitrosodiphenylamine	200	U	200	11	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Naphthalene	200	U	200	3.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Nitrobenzene	200	U	200	8.9	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Pentachlorophenol	390	U	390	69	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Phenanthrene	200	U	200	4.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Phenol	200	U	200	21	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1
Pyrene	200	U	200	1.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*39 - 146*	*12/12/12 15:43*	*12/14/12 18:08*	*1*
2-Fluorobiphenyl	*86*		*37 - 120*	*12/12/12 15:43*	*12/14/12 18:08*	*1*
2-Fluorophenol	*71*		*18 - 120*	*12/12/12 15:43*	*12/14/12 18:08*	*1*
Nitrobenzene-d5	*79*		*34 - 132*	*12/12/12 15:43*	*12/14/12 18:08*	*1*
p-Terphenyl-d14	*100*		*65 - 153*	*12/12/12 15:43*	*12/14/12 18:08*	*1*
Phenol-d5	*79*		*11 - 120*	*12/12/12 15:43*	*12/14/12 18:08*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-53 8'
Date Collected: 12/11/12 16:30
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-8
Matrix: Solid
Percent Solids: 83.4

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	13	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
bis (2-chloroisopropyl) ether	200	U	200	21	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2,4,5-Trichlorophenol	200	U	200	44	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2,4,6-Trichlorophenol	200	U	200	13	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2,4-Dichlorophenol	200	U	200	11	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2,4-Dimethylphenol	200	U	200	54	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2,4-Dinitrophenol	390	U	390	70	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2,4-Dinitrotoluene	200	U	200	31	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2,6-Dinitrotoluene	200	U	200	49	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2-Chloronaphthalene	200	U	200	13	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2-Chlorophenol	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2-Methylnaphthalene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2-Methylphenol	200	U	200	6.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2-Nitroaniline	390	U	390	64	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
2-Nitrophenol	200	U	200	9.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
3,3'-Dichlorobenzidine	200	U	200	180	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
3-Nitroaniline	390	U	390	46	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
4,6-Dinitro-2-methylphenol	390	U	390	69	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
4-Bromophenyl phenyl ether	200	U	200	64	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
4-Chloro-3-methylphenol	200	U	200	8.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
4-Chloroaniline	200	U	200	59	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
4-Chlorophenyl phenyl ether	200	U	200	4.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
4-Methylphenol	390	U	390	11	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
4-Nitroaniline	390	U	390	22	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
4-Nitrophenol	390	U	390	49	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Acenaphthene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Acenaphthylene	200	U	200	1.6	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Acetophenone	200	U *	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Anthracene	200	U	200	5.1	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Atrazine	200	U	200	8.9	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Benzaldehyde	200	U	200	22	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Benzo(a)anthracene	200	U	200	3.5	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Benzo(a)pyrene	200	U	200	4.8	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Benzo(b)fluoranthene	200	U	200	3.9	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Benzo(g,h,i)perylene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Benzo(k)fluoranthene	200	U	200	2.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Bis(2-chloroethoxy)methane	200	U	200	11	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Bis(2-chloroethyl)ether	200	U	200	17	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Bis(2-ethylhexyl) phthalate	**400**		200	65	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Butyl benzyl phthalate	200	U	200	54	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Caprolactam	200	U	200	87	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Carbazole	200	U	200	2.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Chrysene	200	U	200	2.0	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Di-n-butyl phthalate	200	U	200	69	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Di-n-octyl phthalate	**55**	**J**	200	4.7	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Dibenz(a,h)anthracene	200	U	200	2.4	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Dibenzofuran	200	U	200	2.1	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Diethyl phthalate	200	U	200	6.1	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Dimethyl phthalate	200	U	200	5.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-53 8'
Date Collected: 12/11/12 16:30
Date Received: 12/12/12 08:00

Lab Sample ID: 480-29991-8
Matrix: Solid
Percent Solids: 83.4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**9.4**	**J**	200	2.9	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Fluorene	200	U	200	4.6	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Hexachlorobenzene	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Hexachlorobutadiene	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Hexachlorocyclopentadiene	200	U	200	61	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Hexachloroethane	200	U	200	16	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Indeno(1,2,3-cd)pyrene	200	U	200	5.6	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Isophorone	200	U	200	10	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
N-Nitrosodi-n-propylamine	200	U	200	16	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
N-Nitrosodiphenylamine	200	U	200	11	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Naphthalene	200	U	200	3.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Nitrobenzene	200	U	200	8.9	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Pentachlorophenol	390	U	390	69	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Phenanthrene	**4.8**	**J**	200	4.2	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Phenol	200	U	200	21	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1
Pyrene	**11**	**J**	200	1.3	ug/Kg	☼	12/12/12 15:43	12/14/12 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*39 - 146*	*12/12/12 15:43*	*12/14/12 18:33*	*1*
2-Fluorobiphenyl	*92*		*37 - 120*	*12/12/12 15:43*	*12/14/12 18:33*	*1*
2-Fluorophenol	*77*		*18 - 120*	*12/12/12 15:43*	*12/14/12 18:33*	*1*
Nitrobenzene-d5	*86*		*34 - 132*	*12/12/12 15:43*	*12/14/12 18:33*	*1*
p-Terphenyl-d14	*109*		*65 - 153*	*12/12/12 15:43*	*12/14/12 18:33*	*1*
Phenol-d5	*87*		*11 - 120*	*12/12/12 15:43*	*12/14/12 18:33*	*1*

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(65-153)	(11-120)
480-29991-1	PH-44 6'	78	89	68	83	90	80
480-29991-2	PH-47 6'	93	83	68	83	102	80
480-29991-3	PH-48 13'	98	92	75	84	104	83
480-29991-4	PH-49 4'	86	82	59	79	96	80
480-29991-5	PH-50 5'	90	91	77	85	102	85
480-29991-6	PH-51 9'	95	92	75	85	102	83
480-29991-7	PH-52 8'	92	86	71	79	100	79
480-29991-8	PH-53 8'	94	92	77	86	109	87
LCS 480-95464/2-A	Lab Control Sample	100	94	78	88	105	88
MB 480-95464/1-A	Method Blank	84	78	64	70	97	73

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH1
Lab Sample ID	Client Sample ID	(48-125)
480-29991-1	PH-44 6'	93
480-29991-1 MS	PH-44 6'	25 X
480-29991-1 MSD	PH-44 6'	37 X
480-29991-2	PH-47 6'	63
480-29991-3	PH-48 13'	87
480-29991-4	PH-49 4'	72
480-29991-5	PH-50 5'	94
480-29991-6	PH-51 9'	73
LCS 480-95463/2-A	Lab Control Sample	96
MB 480-95463/1-A	Method Blank	83

Surrogate Legend

OTPH = o-Terphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(36-182)	(24-172)
480-29991-3	PH-48 13'	56	38
LCS 480-95434/2-A	Lab Control Sample	154	129
MB 480-95434/1-A	Method Blank	122	110

Surrogate Legend

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-95464/1-A
Matrix: Solid
Analysis Batch: 95813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	170	U	170	10	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
bis (2-chloroisopropyl) ether	170	U	170	18	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2,4,5-Trichlorophenol	170	U	170	37	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2,4,6-Trichlorophenol	170	U	170	11	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2,4-Dichlorophenol	170	U	170	8.8	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2,4-Dimethylphenol	170	U	170	45	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2,4-Dinitrophenol	330	U	330	59	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2,4-Dinitrotoluene	170	U	170	26	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2,6-Dinitrotoluene	170	U	170	41	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2-Chloronaphthalene	170	U	170	11	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2-Chlorophenol	170	U	170	8.6	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2-Methylnaphthalene	170	U	170	2.0	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2-Methylphenol	170	U	170	5.2	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2-Nitroaniline	330	U	330	54	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
2-Nitrophenol	170	U	170	7.7	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
3,3'-Dichlorobenzidine	170	U	170	150	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
3-Nitroaniline	330	U	330	39	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
4,6-Dinitro-2-methylphenol	330	U	330	58	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
4-Bromophenyl phenyl ether	170	U	170	53	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
4-Chloro-3-methylphenol	170	U	170	6.9	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
4-Chloroaniline	170	U	170	49	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
4-Chlorophenyl phenyl ether	170	U	170	3.6	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
4-Methylphenol	330	U	330	9.4	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
4-Nitroaniline	330	U	330	19	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
4-Nitrophenol	330	U	330	41	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Acenaphthene	170	U	170	2.0	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Acenaphthylene	170	U	170	1.4	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Acetophenone	170	U	170	8.6	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Anthracene	170	U	170	4.3	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Atrazine	170	U	170	7.5	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Benzaldehyde	170	U	170	18	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Benzo(a)anthracene	170	U	170	2.9	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Benzo(a)pyrene	170	U	170	4.0	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Benzo(b)fluoranthene	170	U	170	3.3	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Benzo(g,h,i)perylene	170	U	170	2.0	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Benzo(k)fluoranthene	170	U	170	1.8	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Bis(2-chloroethoxy)methane	170	U	170	9.1	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Bis(2-chloroethyl)ether	170	U	170	15	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Bis(2-ethylhexyl) phthalate	170	U	170	54	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Butyl benzyl phthalate	170	U	170	45	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Caprolactam	170	U	170	73	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Carbazole	170	U	170	1.9	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Chrysene	170	U	170	1.7	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Di-n-butyl phthalate	170	U	170	58	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Di-n-octyl phthalate	170	U	170	3.9	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Dibenz(a,h)anthracene	170	U	170	2.0	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Dibenzofuran	170	U	170	1.7	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Diethyl phthalate	170	U	170	5.1	ug/Kg		12/12/12 15:43	12/14/12 12:24	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-95464/1-A
Matrix: Solid
Analysis Batch: 95813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	170	U	170	4.4	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Fluoranthene	170	U	170	2.4	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Fluorene	170	U	170	3.9	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Hexachlorobenzene	170	U	170	8.3	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Hexachlorobutadiene	170	U	170	8.6	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Hexachlorocyclopentadiene	170	U	170	51	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Hexachloroethane	170	U	170	13	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Indeno(1,2,3-cd)pyrene	170	U	170	4.6	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Isophorone	170	U	170	8.4	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
N-Nitrosodi-n-propylamine	170	U	170	13	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
N-Nitrosodiphenylamine	170	U	170	9.2	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Naphthalene	170	U	170	2.8	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Nitrobenzene	170	U	170	7.4	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Pentachlorophenol	330	U	330	58	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Phenanthrene	170	U	170	3.5	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Phenol	170	U	170	18	ug/Kg		12/12/12 15:43	12/14/12 12:24	1
Pyrene	170	U	170	1.1	ug/Kg		12/12/12 15:43	12/14/12 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*39 - 146*	*12/12/12 15:43*	*12/14/12 12:24*	*1*
2-Fluorobiphenyl	*78*		*37 - 120*	*12/12/12 15:43*	*12/14/12 12:24*	*1*
2-Fluorophenol	*64*		*18 - 120*	*12/12/12 15:43*	*12/14/12 12:24*	*1*
Nitrobenzene-d5	*70*		*34 - 132*	*12/12/12 15:43*	*12/14/12 12:24*	*1*
p-Terphenyl-d14	*97*		*65 - 153*	*12/12/12 15:43*	*12/14/12 12:24*	*1*
Phenol-d5	*73*		*11 - 120*	*12/12/12 15:43*	*12/14/12 12:24*	*1*

Lab Sample ID: LCS 480-95464/2-A
Matrix: Solid
Analysis Batch: 95813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1660	1580		ug/Kg		96	55 - 125
2-Chlorophenol	1660	1330		ug/Kg		80	38 - 120
4-Chloro-3-methylphenol	1660	1610		ug/Kg		97	49 - 125
4-Nitrophenol	1660	1620		ug/Kg		98	43 - 137
Acenaphthene	1660	1590		ug/Kg		96	53 - 120
Bis(2-ethylhexyl) phthalate	1660	1710		ug/Kg		103	61 - 133
Fluorene	1660	1630		ug/Kg		98	63 - 126
Hexachloroethane	1660	1160		ug/Kg		70	41 - 120
N-Nitrosodi-n-propylamine	1660	1460		ug/Kg		88	46 - 120
Pentachlorophenol	1660	1400		ug/Kg		85	33 - 136
Phenol	1660	1430		ug/Kg		86	36 - 120
Pyrene	1660	1860		ug/Kg		112	51 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*100*		*39 - 146*
2-Fluorobiphenyl	*94*		*37 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-95464/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95813 — **Prep Batch: 95464**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol	78		18 - 120
Nitrobenzene-d5	88		34 - 132
p-Terphenyl-d14	105		65 - 153
Phenol-d5	88		11 - 120

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-95463/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95555 — **Prep Batch: 95463**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	16	U	16	4.9	mg/Kg		12/12/12 15:38	12/13/12 20:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		48 - 125	12/12/12 15:38	12/13/12 20:20	1

Lab Sample ID: LCS 480-95463/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95555 — **Prep Batch: 95463**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	49.4	43.1		mg/Kg		87	48 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	96		48 - 125

Lab Sample ID: 480-29991-1 MS — **Client Sample ID: PH-44 6'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95555 — **Prep Batch: 95463**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	3800		61.3	7720	4	mg/Kg	☼	6376	48 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	25	X	48 - 125

Lab Sample ID: 480-29991-1 MSD — **Client Sample ID: PH-44 6'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95555 — **Prep Batch: 95463**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	3800		61.0	3720	4 F	mg/Kg	☼	-156	48 - 135	70	35

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 480-29991-1 MSD
Matrix: Solid
Analysis Batch: 95555

Client Sample ID: PH-44 6'
Prep Type: Total/NA
Prep Batch: 95463

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	37	X	48 - 125

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-95434/1-A
Matrix: Solid
Analysis Batch: 95537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.047	mg/Kg		12/12/12 14:28	12/13/12 08:38	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg		12/12/12 14:28	12/13/12 08:38	1
PCB-1232	0.24	U	0.24	0.047	mg/Kg		12/12/12 14:28	12/13/12 08:38	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg		12/12/12 14:28	12/13/12 08:38	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg		12/12/12 14:28	12/13/12 08:38	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg		12/12/12 14:28	12/13/12 08:38	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg		12/12/12 14:28	12/13/12 08:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	122		36 - 182	12/12/12 14:28	12/13/12 08:38	1
Tetrachloro-m-xylene	110		24 - 172	12/12/12 14:28	12/13/12 08:38	1

Lab Sample ID: LCS 480-95434/2-A
Matrix: Solid
Analysis Batch: 95537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95434

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			2.37	2.95		mg/Kg		125	51 - 185		
PCB-1260			2.37	2.86		mg/Kg		121	61 - 184		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	154		36 - 182
Tetrachloro-m-xylene	129		24 - 172

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

GC/MS Semi VOA

Prep Batch: 95464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29991-1	PH-44 6'	Total/NA	Solid	3550B	
480-29991-2	PH-47 6'	Total/NA	Solid	3550B	
480-29991-3	PH-48 13'	Total/NA	Solid	3550B	
480-29991-4	PH-49 4'	Total/NA	Solid	3550B	
480-29991-5	PH-50 5'	Total/NA	Solid	3550B	
480-29991-6	PH-51 9'	Total/NA	Solid	3550B	
480-29991-7	PH-52 8'	Total/NA	Solid	3550B	
480-29991-8	PH-53 8'	Total/NA	Solid	3550B	
LCS 480-95464/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-95464/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 95813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29991-1	PH-44 6'	Total/NA	Solid	8270C	95464
480-29991-2	PH-47 6'	Total/NA	Solid	8270C	95464
480-29991-3	PH-48 13'	Total/NA	Solid	8270C	95464
480-29991-4	PH-49 4'	Total/NA	Solid	8270C	95464
480-29991-5	PH-50 5'	Total/NA	Solid	8270C	95464
480-29991-6	PH-51 9'	Total/NA	Solid	8270C	95464
480-29991-7	PH-52 8'	Total/NA	Solid	8270C	95464
480-29991-8	PH-53 8'	Total/NA	Solid	8270C	95464
LCS 480-95464/2-A	Lab Control Sample	Total/NA	Solid	8270C	95464
MB 480-95464/1-A	Method Blank	Total/NA	Solid	8270C	95464

GC Semi VOA

Prep Batch: 95434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29991-3	PH-48 13'	Total/NA	Solid	3550B	
LCS 480-95434/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-95434/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 95463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29991-1	PH-44 6'	Total/NA	Solid	3550B	
480-29991-1 MS	PH-44 6'	Total/NA	Solid	3550B	
480-29991-1 MSD	PH-44 6'	Total/NA	Solid	3550B	
480-29991-2	PH-47 6'	Total/NA	Solid	3550B	
480-29991-3	PH-48 13'	Total/NA	Solid	3550B	
480-29991-4	PH-49 4'	Total/NA	Solid	3550B	
480-29991-5	PH-50 5'	Total/NA	Solid	3550B	
480-29991-6	PH-51 9'	Total/NA	Solid	3550B	
LCS 480-95463/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-95463/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 95537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29991-3	PH-48 13'	Total/NA	Solid	8082	95434
LCS 480-95434/2-A	Lab Control Sample	Total/NA	Solid	8082	95434
MB 480-95434/1-A	Method Blank	Total/NA	Solid	8082	95434

GC Semi VOA (Continued)

Analysis Batch: 95555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29991-1	PH-44 6'	Total/NA	Solid	8015B	95463
480-29991-1 MS	PH-44 6'	Total/NA	Solid	8015B	95463
480-29991-1 MSD	PH-44 6'	Total/NA	Solid	8015B	95463
480-29991-2	PH-47 6'	Total/NA	Solid	8015B	95463
480-29991-3	PH-48 13'	Total/NA	Solid	8015B	95463
480-29991-4	PH-49 4'	Total/NA	Solid	8015B	95463
480-29991-5	PH-50 5'	Total/NA	Solid	8015B	95463
480-29991-6	PH-51 9'	Total/NA	Solid	8015B	95463
LCS 480-95463/2-A	Lab Control Sample	Total/NA	Solid	8015B	95463
MB 480-95463/1-A	Method Blank	Total/NA	Solid	8015B	95463

General Chemistry

Analysis Batch: 95496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29991-1	PH-44 6'	Total/NA	Solid	Moisture	
480-29991-2	PH-47 6'	Total/NA	Solid	Moisture	
480-29991-3	PH-48 13'	Total/NA	Solid	Moisture	
480-29991-4	PH-49 4'	Total/NA	Solid	Moisture	
480-29991-5	PH-50 5'	Total/NA	Solid	Moisture	
480-29991-6	PH-51 9'	Total/NA	Solid	Moisture	
480-29991-7	PH-52 8'	Total/NA	Solid	Moisture	
480-29991-8	PH-53 8'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-44 6'

Lab Sample ID: 480-29991-1
Date Collected: 12/11/12 08:00
Matrix: Solid
Date Received: 12/12/12 08:00
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95464	12/12/12 15:43	ND	TAL BUF
Total/NA	Analysis	8270C		5	95813	12/14/12 16:03	HTL	TAL BUF
Total/NA	Prep	3550B			95463	12/12/12 15:38	ND	TAL BUF
Total/NA	Analysis	8015B		10	95555	12/14/12 10:05	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95496	12/12/12 18:49	MD	TAL BUF

Client Sample ID: PH-47 6'

Lab Sample ID: 480-29991-2
Date Collected: 12/11/12 09:40
Matrix: Solid
Date Received: 12/12/12 08:00
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95464	12/12/12 15:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	95813	12/14/12 19:21	HTL	TAL BUF
Total/NA	Prep	3550B			95463	12/12/12 15:38	ND	TAL BUF
Total/NA	Analysis	8015B		10	95555	12/14/12 10:38	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95496	12/12/12 18:49	MD	TAL BUF

Client Sample ID: PH-48 13'

Lab Sample ID: 480-29991-3
Date Collected: 12/11/12 10:25
Matrix: Solid
Date Received: 12/12/12 08:00
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95464	12/12/12 15:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	95813	12/14/12 16:30	HTL	TAL BUF
Total/NA	Prep	3550B			95434	12/12/12 14:28	ND	TAL BUF
Total/NA	Analysis	8082		1	95537	12/13/12 10:21	JM	TAL BUF
Total/NA	Prep	3550B			95463	12/12/12 15:38	ND	TAL BUF
Total/NA	Analysis	8015B		1	95555	12/13/12 23:41	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95496	12/12/12 18:49	MD	TAL BUF

Client Sample ID: PH-49 4'

Lab Sample ID: 480-29991-4
Date Collected: 12/11/12 11:20
Matrix: Solid
Date Received: 12/12/12 08:00
Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95464	12/12/12 15:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	95813	12/14/12 16:55	HTL	TAL BUF
Total/NA	Prep	3550B			95463	12/12/12 15:38	ND	TAL BUF
Total/NA	Analysis	8015B		1	95555	12/14/12 00:15	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95496	12/12/12 18:49	MD	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Client Sample ID: PH-50 5'

Lab Sample ID: 480-29991-5

Date Collected: 12/11/12 12:40
Matrix: Solid
Date Received: 12/12/12 08:00
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95464	12/12/12 15:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	95813	12/14/12 17:19	HTL	TAL BUF
Total/NA	Prep	3550B			95463	12/12/12 15:38	ND	TAL BUF
Total/NA	Analysis	8015B		1	95555	12/14/12 00:48	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95496	12/12/12 18:49	MD	TAL BUF

Client Sample ID: PH-51 9'

Lab Sample ID: 480-29991-6

Date Collected: 12/11/12 14:40
Matrix: Solid
Date Received: 12/12/12 08:00
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95464	12/12/12 15:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	95813	12/14/12 17:43	HTL	TAL BUF
Total/NA	Prep	3550B			95463	12/12/12 15:39	ND	TAL BUF
Total/NA	Analysis	8015B		1	95555	12/14/12 01:22	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95496	12/12/12 18:49	MD	TAL BUF

Client Sample ID: PH-52 8'

Lab Sample ID: 480-29991-7

Date Collected: 12/11/12 16:00
Matrix: Solid
Date Received: 12/12/12 08:00
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95464	12/12/12 15:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	95813	12/14/12 18:08	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	95496	12/12/12 18:49	MD	TAL BUF

Client Sample ID: PH-53 8'

Lab Sample ID: 480-29991-8

Date Collected: 12/11/12 16:30
Matrix: Solid
Date Received: 12/12/12 08:00
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95464	12/12/12 15:43	ND	TAL BUF
Total/NA	Analysis	8270C		1	95813	12/14/12 18:33	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	95496	12/12/12 18:49	MD	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: TTL, Inc.
1 roPectj/ ite: S aMha

TestAmerica Job ID: 480-29995-5

Laboratory: TestAmerica Buffalo

All certigcations f elh bd tf is laboratord are listeh. y ot all certigcations are aNNicable to tf is reNbrt.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arpansas Dk E	/ tate 1 roMam	7	88-0787	0Q-07-56
Caligornia	y k LAC	9	5579CA	09-60-56
Connectic3t	/ tate 1 roMam	5	1 u -0H78	09-60-54
Floriha	y k LAC	4	k 8Q7Q2	07-60-56
GeorMa	/ tate 1 roMam	4	y jA	06-65-56
GeorMa	/ tate 1 roMam	4	9H7	07-60-56
GeorMa	/ tate 1 roMam	4	9H7	07-60-56
Illinois	y k LAC	H	200006	09-60-56
Iowa	/ tate 1 roMam	Q	6Q4	06-05-56
Kansas	y k LAC	Q	k -5058Q	05-65-56
Kent3cpd	/ tate 1 roMam	4	90029	52-65-52
Kent3cpd (U/ T)	/ tate 1 roMam	4	60	04-05-56
Lo3isiana	y k LAC	7	02065	07-60-56
S aine	/ tate 1 roMam	5	y Y00044	52-04-56
S ardlanh	/ tate 1 roMam	6	294	06-65-56
S assacf 3setts	/ tate 1 roMam	5	S -y Y044	07-60-56
S icf iMan	/ tate 1 roMam	H	996Q	04-05-56
S innesota	y k LAC	H	067-999-66Q	52-65-52
y ew u amNsf ire	y k LAC	5	29Q6	09-55-56
y ew u amNsf ire	y k LAC	5	266Q	55-5Q-56
y ew Jersed	y k LAC	2	y Y4HH	07-60-56
y ew Yorp	y k LAC	2	50027	06-65-56
y ortf Dapota	/ tate 1 roMam	8	R-5Q7	06-65-56
Oplaf oma	/ tate 1 roMam	7	9425	08-65-56
OreMon	y k LAC	50	y Y200006	07-09-56
1 ennsdlvania	y k LAC	6	78-00285	0Q-65-56
Rf ohe Islanh	/ tate 1 roMam	5	LAO00628	52-65-56
Tennessee	/ tate 1 roMam	4	Ty 029Q0	04-05-56
Texas	y k LAC	7	T504Q04452-55-2	0Q-65-56
U/ DA	Feheral		1660-55-00687	55-22-54
VirMnia	y k LAC	6	47058H	09-54-56
Wasf inMon	/ tate 1 roMam	50	CQ84	02-50-56
West VirMnia Dk 1	/ tate 1 roMam	6	2H2	09-60-56
Wisconsin	/ tate 1 roMam	H	998650690	08-65-56

Method Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29991-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-29991-1	PH-44 6'	Solid	12/11/12 08:00	12/12/12 08:00
480-29991-2	PH-47 6'	Solid	12/11/12 09:40	12/12/12 08:00
480-29991-3	PH-48 13'	Solid	12/11/12 10:25	12/12/12 08:00
480-29991-4	PH-49 4'	Solid	12/11/12 11:20	12/12/12 08:00
480-29991-5	PH-50 5'	Solid	12/11/12 12:40	12/12/12 08:00
480-29991-6	PH-51 9'	Solid	12/11/12 14:40	12/12/12 08:00
480-29991-7	PH-52 8'	Solid	12/11/12 16:00	12/12/12 08:00
480-29991-8	PH-53 8'	Solid	12/11/12 16:30	12/12/12 08:00

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
TTL, Inc.	Shannon McDonald	12/11/12	224456
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
4154 Lomac St.			

City	State	Zip Code	Site Contact	Lab Contact
Montgomery	AL	36106		

Project Name and Location (State)	Carrier/Waybill Number
600212.024 Magna, Syracuse, NY	

Contract/Purchase Order/Quote No.: 600212.024

Analysis (Attach list if more space is needed): SVOC, SATC; TPH-DRO 8015; PCB

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	SVOC, SATC	TPH-DRO 8015	PCB
PH-44 6'	12/11/12	8:00a				X	X						X	X	
PH-47 6'	12/11/12	9:40a				X	X						X	X	
PH-48 13'	12/11/12	10:25a				X	X						X	X	X
PH-49 4'	12/11/12	11:30a				X	X						X	X	
PH-50 5'	12/11/12	12:40p				X	X						X	X	
PH-51 9'	12/11/12	2:40p				X	X						X	X	
PH-52 8'	12/11/12	4:00p				X	X						X		
PH-53 8'	12/11/12	4:30p				X	X						X		

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
1. Shannon McDonald	12/11/12	5:45pm	1. Reinfield, Syr	12-11-12	17:45
2. Reinfield	12-11-12	19:45	2. Received By [illegible]	12/12/12	0820
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 3.2 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-29991-1

Login Number: 29991
List Number: 1
Creator: Janish, Carl

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TTL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-30175-1
Client Project/Site: Magna

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Authorized for release by:
12/26/2012 11:20:47 AM
Lisa Shaffer
Project Manager I
lisa.shaffer@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-30175-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-30175-1

Comments
No additional comments.

Receipt
The samples were received on 12/13/2012 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS Semi VOA
Method(s) 8270C: The laboratory control sample (LCS) for preparation batch 480-95832 exceeded control limits for the following analyte: Benzo[a]pyrene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270C: The following sample was diluted due to viscosity: PH-64 2.5' (480-30175-7). Elevated reporting limits (RL) are provided.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: The following samples were diluted to bring the concentration of target analytes within the calibration range: PH-64 2.5' (480-30175-7), PH-68 2.5' (480-30175-9), PH-70 2.5' (480-30175-11). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-54 8' — Lab Sample ID: 480-30175-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	65	J	190	60	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: PH-55 8' — Lab Sample ID: 480-30175-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	9.8	J	180	4.7	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)anthracene	36	J	180	3.1	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	33	J	180	3.5	ug/Kg	1	☼	8270C	Total/NA
Benzo(g,h,i)perylene	16	J	180	2.2	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	21	J	180	2.0	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	4500		180	59	ug/Kg	1	☼	8270C	Total/NA
Carbazole	6.3	J	180	2.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	41	J	180	1.8	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	64	J	180	2.6	ug/Kg	1	☼	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	13	J	180	5.0	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	34	J	180	3.8	ug/Kg	1	☼	8270C	Total/NA
Pyrene	56	J	180	1.2	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: PH-56 3' — Lab Sample ID: 480-30175-3

No Detections

Client Sample ID: PH-58 4' — Lab Sample ID: 480-30175-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	16	J	18	5.4	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-59 4' — Lab Sample ID: 480-30175-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.5	J	17	5.2	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-62 5' — Lab Sample ID: 480-30175-6

No Detections

Client Sample ID: PH-64 2.5' — Lab Sample ID: 480-30175-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	450	J	960	310	ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	160	J	960	14	ug/Kg	5	☼	8270C	Total/NA
Pyrene	120	J	960	6.2	ug/Kg	5	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	1000		93	28	mg/Kg	5	☼	8015B	Total/NA

Client Sample ID: PH-66 2.5' — Lab Sample ID: 480-30175-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)anthracene	19	J	180	3.1	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	13	J	180	3.5	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	12	J	180	2.0	ug/Kg	1	☼	8270C	Total/NA
Carbazole	4.4	J	180	2.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	21	J	180	1.8	ug/Kg	1	☼	8270C	Total/NA

Detection Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-66 2.5' (Continued) — Lab Sample ID: 480-30175-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	37	J	180	2.6	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	15	J	180	3.8	ug/Kg	1	☼	8270C	Total/NA
Pyrene	28	J	180	1.2	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	160		18	5.5	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-68 2.5' — Lab Sample ID: 480-30175-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	470		90	27	mg/Kg	5	☼	8015B	Total/NA

Client Sample ID: PH-69 2.5' — Lab Sample ID: 480-30175-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)anthracene	14	J	190	3.2	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	14	J *	190	4.5	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	17	J	190	3.6	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	12	J	190	2.0	ug/Kg	1	☼	8270C	Total/NA
Chrysene	15	J	190	1.9	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	12	J	190	2.7	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	9.0	J	190	3.9	ug/Kg	1	☼	8270C	Total/NA
Pyrene	13	J	190	1.2	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	11	J	18	5.5	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-70 2.5' — Lab Sample ID: 480-30175-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	70	J	180	58	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	13	J	180	2.6	ug/Kg	1	☼	8270C	Total/NA
Pyrene	14	J	180	1.2	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	980		88	26	mg/Kg	5	☼	8015B	Total/NA

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-54 8'
Date Collected: 12/12/12 07:30
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-1
Matrix: Solid
Percent Solids: 89.9

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
bis (2-chloroisopropyl) ether	190	U	190	19	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2,4,5-Trichlorophenol	190	U	190	40	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2,4-Dichlorophenol	190	U	190	9.7	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2,4-Dimethylphenol	190	U	190	50	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2,4-Dinitrophenol	360	U	360	65	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2,6-Dinitrotoluene	190	U	190	45	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2-Chloronaphthalene	190	U	190	12	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2-Chlorophenol	190	U	190	9.4	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2-Methylnaphthalene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2-Methylphenol	190	U	190	5.7	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2-Nitroaniline	360	U	360	59	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
2-Nitrophenol	190	U	190	8.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
3,3'-Dichlorobenzidine	190	U	190	160	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
3-Nitroaniline	360	U	360	43	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
4,6-Dinitro-2-methylphenol	360	U	360	64	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
4-Bromophenyl phenyl ether	190	U	190	59	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
4-Chloro-3-methylphenol	190	U	190	7.6	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
4-Chloroaniline	190	U	190	54	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
4-Chlorophenyl phenyl ether	190	U	190	3.9	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
4-Nitroaniline	360	U	360	21	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
4-Nitrophenol	360	U	360	45	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Acetophenone	190	U	190	9.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Anthracene	190	U	190	4.7	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Atrazine	190	U	190	8.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Benzaldehyde	190	U	190	20	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Benzo(a)anthracene	190	U	190	3.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Benzo(a)pyrene	190	U *	190	4.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Benzo(b)fluoranthene	190	U	190	3.6	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Benzo(g,h,i)perylene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Benzo(k)fluoranthene	190	U	190	2.0	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Bis(2-ethylhexyl) phthalate	**65**	**J**	190	60	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Butyl benzyl phthalate	190	U	190	50	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Caprolactam	190	U	190	80	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Carbazole	190	U	190	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Chrysene	190	U	190	1.8	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Di-n-butyl phthalate	190	U	190	64	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Di-n-octyl phthalate	190	U	190	4.3	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Dibenzofuran	190	U	190	1.9	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Diethyl phthalate	190	U	190	5.6	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Dimethyl phthalate	190	U	190	4.8	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-54 8'
Date Collected: 12/12/12 07:30
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-1
Matrix: Solid
Percent Solids: 89.9

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	190	U	190	2.7	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Fluorene	190	U	190	4.3	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Hexachlorobenzene	190	U	190	9.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Hexachlorobutadiene	190	U	190	9.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Hexachlorocyclopentadiene	190	U	190	56	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Hexachloroethane	190	U	190	14	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Isophorone	190	U	190	9.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Naphthalene	190	U	190	3.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Nitrobenzene	190	U	190	8.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Pentachlorophenol	360	U	360	63	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Phenanthrene	190	U	190	3.9	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Phenol	190	U	190	19	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1
Pyrene	190	U	190	1.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*39 - 146*	*12/14/12 10:34*	*12/17/12 14:09*	*1*
2-Fluorobiphenyl	*69*		*37 - 120*	*12/14/12 10:34*	*12/17/12 14:09*	*1*
2-Fluorophenol	*66*		*18 - 120*	*12/14/12 10:34*	*12/17/12 14:09*	*1*
Nitrobenzene-d5	*76*		*34 - 132*	*12/14/12 10:34*	*12/17/12 14:09*	*1*
p-Terphenyl-d14	*111*		*65 - 153*	*12/14/12 10:34*	*12/17/12 14:09*	*1*
Phenol-d5	*74*		*11 - 120*	*12/14/12 10:34*	*12/17/12 14:09*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-55 8'
Date Collected: 12/12/12 08:10
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-2
Matrix: Solid
Percent Solids: 92.2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	180	U	180	11	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2,4,5-Trichlorophenol	180	U	180	40	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2,4-Dichlorophenol	180	U	180	9.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2,4-Dimethylphenol	180	U	180	49	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2,4-Dinitrophenol	360	U	360	64	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2,6-Dinitrotoluene	180	U	180	44	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2-Chlorophenol	180	U	180	9.3	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2-Methylnaphthalene	180	U	180	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2-Methylphenol	180	U	180	5.6	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2-Nitroaniline	360	U	360	58	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
2-Nitrophenol	180	U	180	8.3	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
3-Nitroaniline	360	U	360	42	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
4,6-Dinitro-2-methylphenol	360	U	360	63	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
4-Bromophenyl phenyl ether	180	U	180	58	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
4-Chloro-3-methylphenol	180	U	180	7.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
4-Chloroaniline	180	U	180	53	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
4-Chlorophenyl phenyl ether	180	U	180	3.9	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
4-Nitroaniline	360	U	360	20	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
4-Nitrophenol	360	U	360	44	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Acenaphthene	180	U	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Acetophenone	180	U	180	9.3	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Anthracene	**9.8**	**J**	180	4.7	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Atrazine	180	U	180	8.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Benzaldehyde	180	U	180	20	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Benzo(a)anthracene	**36**	**J**	180	3.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Benzo(a)pyrene	180	U *	180	4.4	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Benzo(b)fluoranthene	**33**	**J**	180	3.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Benzo(g,h,i)perylene	**16**	**J**	180	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Benzo(k)fluoranthene	**21**	**J**	180	2.0	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Bis(2-chloroethoxy)methane	180	U	180	9.9	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Bis(2-chloroethyl)ether	180	U	180	16	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Bis(2-ethylhexyl) phthalate	**4500**		180	59	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Butyl benzyl phthalate	180	U	180	49	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Caprolactam	180	U	180	79	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Carbazole	**6.3**	**J**	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Chrysene	**41**	**J**	180	1.8	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Di-n-butyl phthalate	180	U	180	63	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Di-n-octyl phthalate	180	U	180	4.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Dibenz(a,h)anthracene	180	U	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Dibenzofuran	180	U	180	1.9	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Diethyl phthalate	180	U	180	5.5	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Dimethyl phthalate	180	U	180	4.7	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-55 8'

Date Collected: 12/12/12 08:10
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-2

Matrix: Solid
Percent Solids: 92.2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**64**	**J**	180	2.6	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Fluorene	180	U	180	4.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Hexachlorobenzene	180	U	180	9.0	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Hexachlorobutadiene	180	U	180	9.3	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Hexachlorocyclopentadiene	180	U	180	55	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Indeno(1,2,3-cd)pyrene	**13**	**J**	180	5.0	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Isophorone	180	U	180	9.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
N-Nitrosodi-n-propylamine	180	U	180	14	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
N-Nitrosodiphenylamine	180	U	180	9.9	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Naphthalene	180	U	180	3.0	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Nitrobenzene	180	U	180	8.1	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Pentachlorophenol	360	U	360	62	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Phenanthrene	**34**	**J**	180	3.8	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Phenol	180	U	180	19	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1
Pyrene	**56**	**J**	180	1.2	ug/Kg	☼	12/14/12 10:34	12/17/12 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*39 - 146*	*12/14/12 10:34*	*12/17/12 14:34*	*1*
2-Fluorobiphenyl	*92*		*37 - 120*	*12/14/12 10:34*	*12/17/12 14:34*	*1*
2-Fluorophenol	*68*		*18 - 120*	*12/14/12 10:34*	*12/17/12 14:34*	*1*
Nitrobenzene-d5	*79*		*34 - 132*	*12/14/12 10:34*	*12/17/12 14:34*	*1*
p-Terphenyl-d14	*107*		*65 - 153*	*12/14/12 10:34*	*12/17/12 14:34*	*1*
Phenol-d5	*78*		*11 - 120*	*12/14/12 10:34*	*12/17/12 14:34*	*1*

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-56 3'
Date Collected: 12/12/12 09:15
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-3
Matrix: Solid
Percent Solids: 89.9

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	18	U	18	5.4	mg/Kg	☼	12/14/12 10:19	12/17/12 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*48 - 125*	*12/14/12 10:19*	*12/17/12 17:16*	*1*

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-58 4'
Date Collected: 12/12/12 10:00
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-4
Matrix: Solid
Percent Solids: 91.0

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	16	J	18	5.4	mg/Kg	☼	12/14/12 10:19	12/17/12 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*48 - 125*	*12/14/12 10:19*	*12/17/12 17:49*	*1*

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-59 4'
Date Collected: 12/12/12 10:25
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-5
Matrix: Solid
Percent Solids: 95.3

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.5	J	17	5.2	mg/Kg	☼	12/14/12 10:19	12/17/12 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*48 - 125*	*12/14/12 10:19*	*12/17/12 18:23*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-62 5'
Date Collected: 12/12/12 12:25
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-6
Matrix: Solid
Percent Solids: 90.2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	11	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
bis (2-chloroisopropyl) ether	190	U	190	19	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2,4,5-Trichlorophenol	190	U	190	40	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2,4-Dichlorophenol	190	U	190	9.6	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2,4-Dimethylphenol	190	U	190	50	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2,4-Dinitrophenol	360	U	360	64	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2,4-Dinitrotoluene	190	U	190	28	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2,6-Dinitrotoluene	190	U	190	45	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2-Chloronaphthalene	190	U	190	12	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2-Chlorophenol	190	U	190	9.4	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2-Methylnaphthalene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2-Methylphenol	190	U	190	5.7	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2-Nitroaniline	360	U	360	59	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
2-Nitrophenol	190	U	190	8.4	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
3,3'-Dichlorobenzidine	190	U	190	160	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
3-Nitroaniline	360	U	360	42	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
4,6-Dinitro-2-methylphenol	360	U	360	64	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
4-Bromophenyl phenyl ether	190	U	190	59	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
4-Chloro-3-methylphenol	190	U	190	7.6	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
4-Chloroaniline	190	U	190	54	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
4-Chlorophenyl phenyl ether	190	U	190	3.9	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
4-Nitroaniline	360	U	360	21	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
4-Nitrophenol	360	U	360	45	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Acetophenone	190	U	190	9.4	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Anthracene	190	U	190	4.7	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Atrazine	190	U	190	8.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Benzaldehyde	190	U	190	20	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Benzo(a)anthracene	190	U	190	3.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Benzo(a)pyrene	190	U *	190	4.4	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Benzo(b)fluoranthene	190	U	190	3.6	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Benzo(g,h,i)perylene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Benzo(k)fluoranthene	190	U	190	2.0	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Bis(2-ethylhexyl) phthalate	190	U	190	59	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Butyl benzyl phthalate	190	U	190	49	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Caprolactam	190	U	190	80	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Carbazole	190	U	190	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Chrysene	190	U	190	1.8	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Di-n-butyl phthalate	190	U	190	64	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Di-n-octyl phthalate	190	U	190	4.3	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Dibenzofuran	190	U	190	1.9	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Diethyl phthalate	190	U	190	5.6	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Dimethyl phthalate	190	U	190	4.8	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-62 5'

Date Collected: 12/12/12 12:25
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-6

Matrix: Solid
Percent Solids: 90.2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	190	U	190	2.7	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Fluorene	190	U	190	4.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Hexachlorobenzene	190	U	190	9.1	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Hexachlorobutadiene	190	U	190	9.4	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Hexachlorocyclopentadiene	190	U	190	56	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Hexachloroethane	190	U	190	14	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.1	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Isophorone	190	U	190	9.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Naphthalene	190	U	190	3.1	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Nitrobenzene	190	U	190	8.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Pentachlorophenol	360	U	360	63	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Phenanthrene	190	U	190	3.9	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Phenol	190	U	190	19	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1
Pyrene	190	U	190	1.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*39 - 146*	*12/14/12 10:34*	*12/17/12 15:22*	*1*
2-Fluorobiphenyl	*74*		*37 - 120*	*12/14/12 10:34*	*12/17/12 15:22*	*1*
2-Fluorophenol	*62*		*18 - 120*	*12/14/12 10:34*	*12/17/12 15:22*	*1*
Nitrobenzene-d5	*69*		*34 - 132*	*12/14/12 10:34*	*12/17/12 15:22*	*1*
p-Terphenyl-d14	*93*		*65 - 153*	*12/14/12 10:34*	*12/17/12 15:22*	*1*
Phenol-d5	*70*		*11 - 120*	*12/14/12 10:34*	*12/17/12 15:22*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	18	U	18	5.5	mg/Kg	☼	12/14/12 10:19	12/17/12 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*48 - 125*	*12/14/12 10:19*	*12/17/12 18:57*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-64 2.5'
Date Collected: 12/12/12 14:35
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-7
Matrix: Solid
Percent Solids: 87.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	960	U	960	59	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
bis (2-chloroisopropyl) ether	960	U	960	100	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2,4,5-Trichlorophenol	960	U	960	210	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2,4,6-Trichlorophenol	960	U	960	63	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2,4-Dichlorophenol	960	U	960	50	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2,4-Dimethylphenol	960	U	960	260	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2,4-Dinitrophenol	1900	U	1900	330	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2,4-Dinitrotoluene	960	U	960	150	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2,6-Dinitrotoluene	960	U	960	230	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2-Chloronaphthalene	960	U	960	64	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2-Chlorophenol	960	U	960	49	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2-Methylnaphthalene	960	U	960	12	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2-Methylphenol	960	U	960	29	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2-Nitroaniline	1900	U	1900	310	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
2-Nitrophenol	960	U	960	44	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
3,3'-Dichlorobenzidine	960	U	960	840	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
3-Nitroaniline	1900	U	1900	220	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
4,6-Dinitro-2-methylphenol	1900	U	1900	330	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
4-Bromophenyl phenyl ether	960	U	960	300	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
4-Chloro-3-methylphenol	960	U	960	39	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
4-Chloroaniline	960	U	960	280	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
4-Chlorophenyl phenyl ether	960	U	960	20	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
4-Methylphenol	1900	U	1900	53	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
4-Nitroaniline	1900	U	1900	110	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
4-Nitrophenol	1900	U	1900	230	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Acenaphthene	960	U	960	11	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Acenaphthylene	960	U	960	7.8	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Acetophenone	960	U	960	49	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Anthracene	960	U	960	24	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Atrazine	960	U	960	42	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Benzaldehyde	960	U	960	100	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Benzo(a)anthracene	960	U	960	16	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Benzo(a)pyrene	960	U *	960	23	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Benzo(b)fluoranthene	960	U	960	19	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Benzo(g,h,i)perylene	960	U	960	11	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Benzo(k)fluoranthene	960	U	960	11	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Bis(2-chloroethoxy)methane	960	U	960	52	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Bis(2-chloroethyl)ether	960	U	960	82	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Bis(2-ethylhexyl) phthalate	**450**	**J**	960	310	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Butyl benzyl phthalate	960	U	960	260	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Caprolactam	960	U	960	410	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Carbazole	960	U	960	11	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Chrysene	960	U	960	9.5	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Di-n-butyl phthalate	960	U	960	330	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Di-n-octyl phthalate	960	U	960	22	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Dibenz(a,h)anthracene	960	U	960	11	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Dibenzofuran	960	U	960	9.9	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Diethyl phthalate	960	U	960	29	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Dimethyl phthalate	960	U	960	25	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5

Client Sample ID: PH-64 2.5'

Date Collected: 12/12/12 14:35
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-7
Matrix: Solid
Percent Solids: 87.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**160**	**J**	960	14	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Fluorene	960	U	960	22	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Hexachlorobenzene	960	U	960	47	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Hexachlorobutadiene	960	U	960	49	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Hexachlorocyclopentadiene	960	U	960	290	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Hexachloroethane	960	U	960	74	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Indeno(1,2,3-cd)pyrene	960	U	960	26	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Isophorone	960	U	960	48	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
N-Nitrosodi-n-propylamine	960	U	960	76	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
N-Nitrosodiphenylamine	960	U	960	52	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Naphthalene	960	U	960	16	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Nitrobenzene	960	U	960	42	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Pentachlorophenol	1900	U	1900	330	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Phenanthrene	960	U	960	20	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Phenol	960	U	960	100	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5
Pyrene	**120**	**J**	960	6.2	ug/Kg	☼	12/14/12 10:34	12/17/12 15:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*39 - 146*	*12/14/12 10:34*	*12/17/12 15:46*	*5*
2-Fluorobiphenyl	*101*		*37 - 120*	*12/14/12 10:34*	*12/17/12 15:46*	*5*
2-Fluorophenol	*70*		*18 - 120*	*12/14/12 10:34*	*12/17/12 15:46*	*5*
Nitrobenzene-d5	*87*		*34 - 132*	*12/14/12 10:34*	*12/17/12 15:46*	*5*
p-Terphenyl-d14	*97*		*65 - 153*	*12/14/12 10:34*	*12/17/12 15:46*	*5*
Phenol-d5	*84*		*11 - 120*	*12/14/12 10:34*	*12/17/12 15:46*	*5*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1000**		93	28	mg/Kg	☼	12/14/12 10:19	12/18/12 09:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*48 - 125*	*12/14/12 10:19*	*12/18/12 09:24*	*5*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 11:38	1
PCB-1221	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 11:38	1
PCB-1232	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 11:38	1
PCB-1242	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 11:38	1
PCB-1248	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 11:38	1
PCB-1254	250	U	250	120	ug/Kg	☼	12/17/12 08:36	12/18/12 11:38	1
PCB-1260	250	U	250	120	ug/Kg	☼	12/17/12 08:36	12/18/12 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*162*		*36 - 182*	*12/17/12 08:36*	*12/18/12 11:38*	*1*
Tetrachloro-m-xylene	*147*		*24 - 172*	*12/17/12 08:36*	*12/18/12 11:38*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-66 2.5'
Date Collected: 12/12/12 15:30
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-8
Matrix: Solid
Percent Solids: 91.0

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	180	U	180	11	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2,4,5-Trichlorophenol	180	U	180	40	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2,4-Dichlorophenol	180	U	180	9.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2,4-Dimethylphenol	180	U	180	49	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2,4-Dinitrophenol	360	U	360	64	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2,6-Dinitrotoluene	180	U	180	45	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2-Chlorophenol	180	U	180	9.3	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2-Methylnaphthalene	180	U	180	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2-Methylphenol	180	U	180	5.6	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2-Nitroaniline	360	U	360	58	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
2-Nitrophenol	180	U	180	8.3	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
3-Nitroaniline	360	U	360	42	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
4,6-Dinitro-2-methylphenol	360	U	360	63	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
4-Bromophenyl phenyl ether	180	U	180	58	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
4-Chloro-3-methylphenol	180	U	180	7.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
4-Chloroaniline	180	U	180	53	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
4-Chlorophenyl phenyl ether	180	U	180	3.9	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
4-Nitroaniline	360	U	360	20	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
4-Nitrophenol	360	U	360	44	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Acenaphthene	180	U	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Acetophenone	180	U	180	9.3	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Anthracene	180	U	180	4.7	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Atrazine	180	U	180	8.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Benzaldehyde	180	U	180	20	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Benzo(a)anthracene	**19**	**J**	180	3.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Benzo(a)pyrene	180	U *	180	4.4	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Benzo(b)fluoranthene	**13**	**J**	180	3.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Benzo(g,h,i)perylene	180	U	180	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Benzo(k)fluoranthene	**12**	**J**	180	2.0	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Bis(2-chloroethoxy)methane	180	U	180	9.9	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Bis(2-chloroethyl)ether	180	U	180	16	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Bis(2-ethylhexyl) phthalate	180	U	180	59	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Butyl benzyl phthalate	180	U	180	49	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Caprolactam	180	U	180	79	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Carbazole	**4.4**	**J**	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Chrysene	**21**	**J**	180	1.8	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Di-n-butyl phthalate	180	U	180	63	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Di-n-octyl phthalate	180	U	180	4.3	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Dibenz(a,h)anthracene	180	U	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Dibenzofuran	180	U	180	1.9	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Diethyl phthalate	180	U	180	5.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Dimethyl phthalate	180	U	180	4.7	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-66 2.5'

Date Collected: 12/12/12 15:30
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-8
Matrix: Solid
Percent Solids: 91.0

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**37**	**J**	180	2.6	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Fluorene	180	U	180	4.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Hexachlorobenzene	180	U	180	9.0	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Hexachlorobutadiene	180	U	180	9.3	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Hexachlorocyclopentadiene	180	U	180	55	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Indeno(1,2,3-cd)pyrene	180	U	180	5.0	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Isophorone	180	U	180	9.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
N-Nitrosodi-n-propylamine	180	U	180	14	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
N-Nitrosodiphenylamine	180	U	180	9.9	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Naphthalene	180	U	180	3.0	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Nitrobenzene	180	U	180	8.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Pentachlorophenol	360	U	360	62	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Phenanthrene	**15**	**J**	180	3.8	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Phenol	180	U	180	19	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1
Pyrene	**28**	**J**	180	1.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*117*		*39 - 146*	*12/14/12 10:34*	*12/17/12 16:11*	*1*
2-Fluorobiphenyl	*99*		*37 - 120*	*12/14/12 10:34*	*12/17/12 16:11*	*1*
2-Fluorophenol	*77*		*18 - 120*	*12/14/12 10:34*	*12/17/12 16:11*	*1*
Nitrobenzene-d5	*90*		*34 - 132*	*12/14/12 10:34*	*12/17/12 16:11*	*1*
p-Terphenyl-d14	*122*		*65 - 153*	*12/14/12 10:34*	*12/17/12 16:11*	*1*
Phenol-d5	*91*		*11 - 120*	*12/14/12 10:34*	*12/17/12 16:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**160**		18	5.5	mg/Kg	☼	12/14/12 10:19	12/17/12 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*48 - 125*	*12/14/12 10:19*	*12/17/12 20:04*	*1*

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-68 2.5'
Date Collected: 12/12/12 15:50
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-9
Matrix: Solid
Percent Solids: 90.7

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	470		90	27	mg/Kg	☼	12/14/12 10:19	12/18/12 09:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*48 - 125*	*12/14/12 10:19*	*12/18/12 09:57*	*5*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-69 2.5'
Date Collected: 12/12/12 16:00
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-10
Matrix: Solid
Percent Solids: 89.0

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
bis (2-chloroisopropyl) ether	190	U	190	19	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2,4,5-Trichlorophenol	190	U	190	40	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2,4-Dichlorophenol	190	U	190	9.7	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2,4-Dimethylphenol	190	U	190	50	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2,4-Dinitrophenol	360	U	360	65	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2,6-Dinitrotoluene	190	U	190	45	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2-Chloronaphthalene	190	U	190	12	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2-Chlorophenol	190	U	190	9.4	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2-Methylnaphthalene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2-Methylphenol	190	U	190	5.7	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2-Nitroaniline	360	U	360	59	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
2-Nitrophenol	190	U	190	8.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
3,3'-Dichlorobenzidine	190	U	190	160	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
3-Nitroaniline	360	U	360	43	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
4,6-Dinitro-2-methylphenol	360	U	360	64	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
4-Bromophenyl phenyl ether	190	U	190	59	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
4-Chloro-3-methylphenol	190	U	190	7.6	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
4-Chloroaniline	190	U	190	54	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
4-Chlorophenyl phenyl ether	190	U	190	3.9	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
4-Nitroaniline	360	U	360	21	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
4-Nitrophenol	360	U	360	45	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Acetophenone	190	U	190	9.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Anthracene	190	U	190	4.7	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Atrazine	190	U	190	8.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Benzaldehyde	190	U	190	20	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Benzo(a)anthracene	**14**	**J**	190	3.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Benzo(a)pyrene	**14**	**J ***	190	4.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Benzo(b)fluoranthene	**17**	**J**	190	3.6	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Benzo(g,h,i)perylene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Benzo(k)fluoranthene	**12**	**J**	190	2.0	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Bis(2-ethylhexyl) phthalate	190	U	190	60	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Butyl benzyl phthalate	190	U	190	50	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Caprolactam	190	U	190	80	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Carbazole	190	U	190	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Chrysene	**15**	**J**	190	1.9	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Di-n-butyl phthalate	190	U	190	64	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Di-n-octyl phthalate	190	U	190	4.3	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Dibenzofuran	190	U	190	1.9	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Diethyl phthalate	190	U	190	5.6	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Dimethyl phthalate	190	U	190	4.8	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-69 2.5'

Date Collected: 12/12/12 16:00
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-10
Matrix: Solid
Percent Solids: 89.0

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**12**	**J**	190	2.7	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Fluorene	190	U	190	4.3	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Hexachlorobenzene	190	U	190	9.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Hexachlorobutadiene	190	U	190	9.5	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Hexachlorocyclopentadiene	190	U	190	56	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Hexachloroethane	190	U	190	14	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Isophorone	190	U	190	9.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Naphthalene	190	U	190	3.1	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Nitrobenzene	190	U	190	8.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Pentachlorophenol	360	U	360	63	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Phenanthrene	**9.0**	**J**	190	3.9	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Phenol	190	U	190	19	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1
Pyrene	**13**	**J**	190	1.2	ug/Kg	☼	12/14/12 10:34	12/17/12 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*39 - 146*	*12/14/12 10:34*	*12/17/12 16:59*	*1*
2-Fluorobiphenyl	*79*		*37 - 120*	*12/14/12 10:34*	*12/17/12 16:59*	*1*
2-Fluorophenol	*62*		*18 - 120*	*12/14/12 10:34*	*12/17/12 16:59*	*1*
Nitrobenzene-d5	*71*		*34 - 132*	*12/14/12 10:34*	*12/17/12 16:59*	*1*
p-Terphenyl-d14	*91*		*65 - 153*	*12/14/12 10:34*	*12/17/12 16:59*	*1*
Phenol-d5	*71*		*11 - 120*	*12/14/12 10:34*	*12/17/12 16:59*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**11**	**J**	18	5.5	mg/Kg	☼	12/14/12 10:19	12/17/12 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*48 - 125*	*12/14/12 10:19*	*12/17/12 21:45*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-70 2.5'
Date Collected: 12/12/12 16:15
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-11
Matrix: Solid
Percent Solids: 93.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	180	U	180	11	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2,4,5-Trichlorophenol	180	U	180	39	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2,4-Dichlorophenol	180	U	180	9.4	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2,4-Dimethylphenol	180	U	180	48	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2,4-Dinitrophenol	350	U	350	63	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2,6-Dinitrotoluene	180	U	180	44	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2-Chlorophenol	180	U	180	9.1	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2-Methylnaphthalene	180	U	180	2.2	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2-Methylphenol	180	U	180	5.5	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2-Nitroaniline	350	U	350	57	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
2-Nitrophenol	180	U	180	8.2	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
3-Nitroaniline	350	U	350	41	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
4,6-Dinitro-2-methylphenol	350	U	350	62	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
4-Bromophenyl phenyl ether	180	U	180	57	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
4-Chloro-3-methylphenol	180	U	180	7.4	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
4-Chloroaniline	180	U	180	53	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
4-Chlorophenyl phenyl ether	180	U	180	3.8	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
4-Methylphenol	350	U	350	10	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
4-Nitroaniline	350	U	350	20	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
4-Nitrophenol	350	U	350	43	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Acenaphthene	180	U	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Acetophenone	180	U	180	9.2	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Anthracene	180	U	180	4.6	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Atrazine	180	U	180	8.0	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Benzaldehyde	180	U	180	20	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Benzo(a)anthracene	180	U	180	3.1	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Benzo(a)pyrene	180	U *	180	4.3	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Benzo(b)fluoranthene	180	U	180	3.5	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Benzo(g,h,i)perylene	180	U	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Benzo(k)fluoranthene	180	U	180	2.0	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Bis(2-chloroethoxy)methane	180	U	180	9.7	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Bis(2-chloroethyl)ether	180	U	180	15	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Bis(2-ethylhexyl) phthalate	**70**	**J**	180	58	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Butyl benzyl phthalate	180	U	180	48	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Caprolactam	180	U	180	77	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Carbazole	180	U	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Chrysene	180	U	180	1.8	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Di-n-butyl phthalate	180	U	180	62	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Di-n-octyl phthalate	180	U	180	4.2	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Dibenz(a,h)anthracene	180	U	180	2.1	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Dibenzofuran	180	U	180	1.9	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Diethyl phthalate	180	U	180	5.4	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Dimethyl phthalate	180	U	180	4.7	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-70 2.5'

Date Collected: 12/12/12 16:15
Date Received: 12/13/12 08:00

Lab Sample ID: 480-30175-11

Matrix: Solid
Percent Solids: 93.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**13**	**J**	180	2.6	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Fluorene	180	U	180	4.1	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Hexachlorobenzene	180	U	180	8.9	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Hexachlorobutadiene	180	U	180	9.2	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Hexachlorocyclopentadiene	180	U	180	54	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Indeno(1,2,3-cd)pyrene	180	U	180	5.0	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Isophorone	180	U	180	8.9	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
N-Nitrosodi-n-propylamine	180	U	180	14	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
N-Nitrosodiphenylamine	180	U	180	9.8	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Naphthalene	180	U	180	3.0	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Nitrobenzene	180	U	180	7.9	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Pentachlorophenol	350	U	350	61	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Phenanthrene	180	U	180	3.8	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Phenol	180	U	180	19	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1
Pyrene	**14**	**J**	180	1.2	ug/Kg	☼	12/14/12 10:34	12/17/12 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*39 - 146*	*12/14/12 10:34*	*12/17/12 17:23*	*1*
2-Fluorobiphenyl	*100*		*37 - 120*	*12/14/12 10:34*	*12/17/12 17:23*	*1*
2-Fluorophenol	*77*		*18 - 120*	*12/14/12 10:34*	*12/17/12 17:23*	*1*
Nitrobenzene-d5	*90*		*34 - 132*	*12/14/12 10:34*	*12/17/12 17:23*	*1*
p-Terphenyl-d14	*103*		*65 - 153*	*12/14/12 10:34*	*12/17/12 17:23*	*1*
Phenol-d5	*88*		*11 - 120*	*12/14/12 10:34*	*12/17/12 17:23*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**980**		88	26	mg/Kg	☼	12/14/12 10:19	12/18/12 10:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*48 - 125*	*12/14/12 10:19*	*12/18/12 10:31*	*5*

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(65-153)	(11-120)
480-30175-1	PH-54 8'	91	69	66	76	111	74
480-30175-1 MS	PH-54 8'	102	92	75	86	105	85
480-30175-1 MSD	PH-54 8'	95	84	66	79	98	76
480-30175-2	PH-55 8'	100	92	68	79	107	78
480-30175-6	PH-62 5'	82	74	62	69	93	70
480-30175-7	PH-64 2.5'	94	101	70	87	97	84
480-30175-8	PH-66 2.5'	117	99	77	90	122	91
480-30175-10	PH-69 2.5'	84	79	62	71	91	71
480-30175-11	PH-70 2.5'	106	100	77	90	103	88
LCS 480-95832/2-A	Lab Control Sample	119	105	82	96	121	94
MB 480-95832/1-A	Method Blank	97	87	72	82	109	79

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH1
Lab Sample ID	Client Sample ID	(48-125)
480-30175-3	PH-56 3'	75
480-30175-3 MS	PH-56 3'	85
480-30175-3 MSD	PH-56 3'	87
480-30175-4	PH-58 4'	77
480-30175-5	PH-59 4'	82
480-30175-6	PH-62 5'	81
480-30175-7	PH-64 2.5'	92
480-30175-8	PH-66 2.5'	90
480-30175-9	PH-68 2.5'	102
480-30175-10	PH-69 2.5'	82
480-30175-11	PH-70 2.5'	76
LCS 480-95828/2-A	Lab Control Sample	90
MB 480-95828/1-A	Method Blank	78

Surrogate Legend

OTPH = o-Terphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(36-182)	(24-172)
480-30175-7	PH-64 2.5'	162	147

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	TCX1						
Lab Sample ID	**Client Sample ID**	**(36-182)**	**(24-172)**						
LCS 480-96097/2-A	Lab Control Sample	156	171						
MB 480-96097/1-A	Method Blank	134	144						

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-95832/1-A
Matrix: Solid
Analysis Batch: 96147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	170	U	170	10	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
bis (2-chloroisopropyl) ether	170	U	170	18	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2,4,5-Trichlorophenol	170	U	170	37	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2,4,6-Trichlorophenol	170	U	170	11	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2,4-Dichlorophenol	170	U	170	8.8	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2,4-Dimethylphenol	170	U	170	45	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2,4-Dinitrophenol	330	U	330	59	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2,4-Dinitrotoluene	170	U	170	26	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2,6-Dinitrotoluene	170	U	170	41	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2-Chloronaphthalene	170	U	170	11	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2-Chlorophenol	170	U	170	8.6	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2-Methylnaphthalene	170	U	170	2.0	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2-Methylphenol	170	U	170	5.2	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2-Nitroaniline	330	U	330	54	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
2-Nitrophenol	170	U	170	7.7	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
3,3'-Dichlorobenzidine	170	U	170	150	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
3-Nitroaniline	330	U	330	39	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
4,6-Dinitro-2-methylphenol	330	U	330	58	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
4-Bromophenyl phenyl ether	170	U	170	53	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
4-Chloro-3-methylphenol	170	U	170	6.9	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
4-Chloroaniline	170	U	170	49	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
4-Chlorophenyl phenyl ether	170	U	170	3.6	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
4-Methylphenol	330	U	330	9.4	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
4-Nitroaniline	330	U	330	19	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
4-Nitrophenol	330	U	330	41	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Acenaphthene	170	U	170	2.0	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Acenaphthylene	170	U	170	1.4	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Acetophenone	170	U	170	8.6	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Anthracene	170	U	170	4.3	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Atrazine	170	U	170	7.5	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Benzaldehyde	170	U	170	18	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Benzo(a)anthracene	170	U	170	2.9	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Benzo(a)pyrene	170	U	170	4.0	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Benzo(b)fluoranthene	170	U	170	3.3	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Benzo(g,h,i)perylene	170	U	170	2.0	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Benzo(k)fluoranthene	170	U	170	1.8	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Bis(2-chloroethoxy)methane	170	U	170	9.1	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Bis(2-chloroethyl)ether	170	U	170	15	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Bis(2-ethylhexyl) phthalate	170	U	170	54	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Butyl benzyl phthalate	170	U	170	45	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Caprolactam	170	U	170	73	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Carbazole	170	U	170	1.9	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Chrysene	170	U	170	1.7	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Di-n-butyl phthalate	170	U	170	58	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Di-n-octyl phthalate	170	U	170	3.9	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Dibenz(a,h)anthracene	170	U	170	2.0	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Dibenzofuran	170	U	170	1.7	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Diethyl phthalate	170	U	170	5.1	ug/Kg		12/14/12 10:34	12/17/12 12:09	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-95832/1-A
Matrix: Solid
Analysis Batch: 96147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	170	U	170	4.4	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Fluoranthene	170	U	170	2.4	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Fluorene	170	U	170	3.9	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Hexachlorobenzene	170	U	170	8.3	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Hexachlorobutadiene	170	U	170	8.6	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Hexachlorocyclopentadiene	170	U	170	51	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Hexachloroethane	170	U	170	13	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Indeno(1,2,3-cd)pyrene	170	U	170	4.6	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Isophorone	170	U	170	8.4	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
N-Nitrosodi-n-propylamine	170	U	170	13	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
N-Nitrosodiphenylamine	170	U	170	9.2	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Naphthalene	170	U	170	2.8	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Nitrobenzene	170	U	170	7.4	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Pentachlorophenol	330	U	330	58	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Phenanthrene	170	U	170	3.5	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Phenol	170	U	170	18	ug/Kg		12/14/12 10:34	12/17/12 12:09	1
Pyrene	170	U	170	1.1	ug/Kg		12/14/12 10:34	12/17/12 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*39 - / 46*	*/ 2 / 4 / 20 7:34*	*/ 2 / 1 / 20 2:79*	*/*
2-ulyorobiphen8l	*F1*		*31 - / 27*	*/ 2 / 4 / 20 7:34*	*/ 2 / 1 / 20 2:79*	*/*
2-ulyorophenol	*12*		*/ F - / 27*	*/ 2 / 4 / 20 7:34*	*/ 2 / 1 / 20 2:79*	*/*
Nitrobenzene-d5	*F2*		*34 - / 32*	*/ 2 / 4 / 20 7:34*	*/ 2 / 1 / 20 2:79*	*/*
p-Terphen8l-d/ 4	*/ 79*		*65 - / 53*	*/ 2 / 4 / 20 7:34*	*/ 2 / 1 / 20 2:79*	*/*
Phenol-d5	*19*		*// - / 27*	*/ 2 / 4 / 20 7:34*	*/ 2 / 1 / 20 2:79*	*/*

Lab Sample ID: LCS 480-95832/2-A
Matrix: Solid
Analysis Batch: 96147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1660	1920		ug/Kg		116	55 - 125
2-Chlorophenol	1660	1450		ug/Kg		87	38 - 120
4-Chloro-3-methylphenol	1660	1800		ug/Kg		109	49 - 125
4-Nitrophenol	1660	1920		ug/Kg		116	43 - 137
Acenaphthene	1660	1820		ug/Kg		109	53 - 120
Bis(2-ethylhexyl) phthalate	1660	1950		ug/Kg		117	61 - 133
Fluorene	1660	1930		ug/Kg		116	63 - 126
Hexachloroethane	1660	1340		ug/Kg		81	41 - 120
N-Nitrosodi-n-propylamine	1660	1670		ug/Kg		101	46 - 120
Pentachlorophenol	1660	1710		ug/Kg		103	33 - 136
Phenol	1660	1530		ug/Kg		92	36 - 120
Pyrene	1660	2090		ug/Kg		126	51 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*// 9*		*39 - / 46*
2-ulyorobiphen8l	*/ 75*		*31 - / 27*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-95832/2-A
Matrix: Solid
Analysis Batch: 96147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95832

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-ulyorophenol	*F2*		*/ F - / 27*
Nitrobenzene-d5	*96*		*34 - / 32*
p-Terphen8l-d/ 4	*/ 2/*		*65 - / 53*
Phenol-d5	*94*		*// - / 27*

Lab Sample ID: 480-30175-1 MS
Matrix: Solid
Analysis Batch: 96147

Client Sample ID: PH-54 8'
Prep Type: Total/NA
Prep Batch: 95832

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	190	U	1820	1850		ug/Kg	☼	101	55 - 125
2-Chlorophenol	190	U	1820	1410		ug/Kg	☼	77	38 - 120
4-Chloro-3-methylphenol	190	U	1820	1740		ug/Kg	☼	96	49 - 125
4-Nitrophenol	360	U	1820	1820		ug/Kg	☼	100	43 - 137
Acenaphthene	190	U	1820	1760		ug/Kg	☼	97	53 - 120
Bis(2-ethylhexyl) phthalate	65	J	1820	1930		ug/Kg	☼	103	61 - 133
Fluorene	190	U	1820	1830		ug/Kg	☼	100	63 - 126
Hexachloroethane	190	U	1820	1320		ug/Kg	☼	72	41 - 120
N-Nitrosodi-n-propylamine	190	U	1820	1670		ug/Kg	☼	92	46 - 120
Pentachlorophenol	360	U	1820	1520		ug/Kg	☼	84	33 - 136
Phenol	190	U	1820	1510		ug/Kg	☼	83	36 - 120
Pyrene	190	U	1820	2020		ug/Kg	☼	111	51 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*/ 72*		*39 - / 46*
2-ulyorobiphen8l	*92*		*31 - / 27*
2-ulyorophenol	*15*		*/ F - / 27*
Nitrobenzene-d5	*F6*		*34 - / 32*
p-Terphen8l-d/ 4	*/ 75*		*65 - / 53*
Phenol-d5	*F5*		*// - / 27*

Lab Sample ID: 480-30175-1 MSD
Matrix: Solid
Analysis Batch: 96147

Client Sample ID: PH-54 8'
Prep Type: Total/NA
Prep Batch: 95832

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	190	U	1850	1720		ug/Kg	☼	93	55 - 125	7	20
2-Chlorophenol	190	U	1850	1280		ug/Kg	☼	69	38 - 120	9	25
4-Chloro-3-methylphenol	190	U	1850	1630		ug/Kg	☼	88	49 - 125	7	27
4-Nitrophenol	360	U	1850	1710		ug/Kg	☼	93	43 - 137	6	25
Acenaphthene	190	U	1850	1640		ug/Kg	☼	89	53 - 120	7	35
Bis(2-ethylhexyl) phthalate	65	J	1850	1810		ug/Kg	☼	94	61 - 133	7	15
Fluorene	190	U	1850	1710		ug/Kg	☼	93	63 - 126	7	15
Hexachloroethane	190	U	1850	1200		ug/Kg	☼	65	41 - 120	10	46
N-Nitrosodi-n-propylamine	190	U	1850	1550		ug/Kg	☼	84	46 - 120	7	31
Pentachlorophenol	360	U	1850	1450		ug/Kg	☼	79	33 - 136	5	35
Phenol	190	U	1850	1420		ug/Kg	☼	77	36 - 120	6	35
Pyrene	190	U	1850	1910		ug/Kg	☼	103	51 - 133	6	35

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-30175-1 MSD — **Client Sample ID: PH-54 8'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96147 — **Prep Batch: 95832**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	95		39 - / 46
2-ulyorobiphen8l	F4		31 - / 27
2-ulyorophenol	66		/ F - / 27
Nitrobenzene-d5	19		34 - / 32
p-Terphen8l-d/ 4	9F		65 - / 53
Phenol-d5	16		// - / 27

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-95828/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96181 — **Prep Batch: 95828**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	17	U	17	5.0	mg/Kg		12/14/12 10:19	12/17/12 15:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphen8l	1F		4F - / 25	/ 2 / 4 / 20 7:/ 9	/ 2 / 1 / 20 5:7/	/

Lab Sample ID: LCS 480-95828/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96181 — **Prep Batch: 95828**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	49.5	44.6		mg/Kg		90	48 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphen8l	97		4F - / 25

Lab Sample ID: 480-30175-3 MS — **Client Sample ID: PH-56 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96181 — **Prep Batch: 95828**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	18	U	55.0	52.0		mg/Kg	☼	95	48 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphen8l	F5		4F - / 25

Lab Sample ID: 480-30175-3 MSD — **Client Sample ID: PH-56 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96181 — **Prep Batch: 95828**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	18	U	54.9	51.9		mg/Kg	☼	95	48 - 135	0	35

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 480-30175-3 MSD
Matrix: Solid
Analysis Batch: 96181

Client Sample ID: PH-56 3'
Prep Type: Total/NA
Prep Batch: 95828

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphen8l	F1		4F - / 25

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-96097/1-A
Matrix: Solid
Analysis Batch: 96282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1221	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1232	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1242	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1248	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1254	220	U	220	100	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1260	220	U	220	100	ug/Kg		12/17/12 08:36	12/18/12 08:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphen8l	/ 34		36 - / F2	/ 2 / 1 / 20 7F:36	/ 2 / F / 20 7F:/ 1	/
Tetrachloro-m-x8lene	/ 44		24 - / 12	/ 2 / 1 / 20 7F:36	/ 2 / F / 20 7F:/ 1	/

Lab Sample ID: LCS 480-96097/2-A
Matrix: Solid
Analysis Batch: 96282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96097

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			2400	3740		ug/Kg		156	51 - 185		
PCB-1260			2400	3000		ug/Kg		125	61 - 184		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphen8l	/ 56		36 - / F2
Tetrachloro-m-x8lene	/ 1/		24 - / 12

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

GC/MS Semi VOA

Prep Batch: 95832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30175-1	PH-54 8'	Total/NA	Solid	3550B	
480-30175-1 MS	PH-54 8'	Total/NA	Solid	3550B	
480-30175-1 MSD	PH-54 8'	Total/NA	Solid	3550B	
480-30175-2	PH-55 8'	Total/NA	Solid	3550B	
480-30175-6	PH-62 5'	Total/NA	Solid	3550B	
480-30175-7	PH-64 2.5'	Total/NA	Solid	3550B	
480-30175-8	PH-66 2.5'	Total/NA	Solid	3550B	
480-30175-10	PH-69 2.5'	Total/NA	Solid	3550B	
480-30175-11	PH-70 2.5'	Total/NA	Solid	3550B	
LCS 480-95832/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-95832/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 96147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30175-1	PH-54 8'	Total/NA	Solid	8270C	95832
480-30175-1 MS	PH-54 8'	Total/NA	Solid	8270C	95832
480-30175-1 MSD	PH-54 8'	Total/NA	Solid	8270C	95832
480-30175-2	PH-55 8'	Total/NA	Solid	8270C	95832
480-30175-6	PH-62 5'	Total/NA	Solid	8270C	95832
480-30175-7	PH-64 2.5'	Total/NA	Solid	8270C	95832
480-30175-8	PH-66 2.5'	Total/NA	Solid	8270C	95832
480-30175-10	PH-69 2.5'	Total/NA	Solid	8270C	95832
480-30175-11	PH-70 2.5'	Total/NA	Solid	8270C	95832
LCS 480-95832/2-A	Lab Control Sample	Total/NA	Solid	8270C	95832
MB 480-95832/1-A	Method Blank	Total/NA	Solid	8270C	95832

GC Semi VOA

Prep Batch: 95828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30175-3	PH-56 3'	Total/NA	Solid	3550B	
480-30175-3 MS	PH-56 3'	Total/NA	Solid	3550B	
480-30175-3 MSD	PH-56 3'	Total/NA	Solid	3550B	
480-30175-4	PH-58 4'	Total/NA	Solid	3550B	
480-30175-5	PH-59 4'	Total/NA	Solid	3550B	
480-30175-6	PH-62 5'	Total/NA	Solid	3550B	
480-30175-7	PH-64 2.5'	Total/NA	Solid	3550B	
480-30175-8	PH-66 2.5'	Total/NA	Solid	3550B	
480-30175-9	PH-68 2.5'	Total/NA	Solid	3550B	
480-30175-10	PH-69 2.5'	Total/NA	Solid	3550B	
480-30175-11	PH-70 2.5'	Total/NA	Solid	3550B	
LCS 480-95828/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-95828/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 96097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30175-7	PH-64 2.5'	Total/NA	Solid	3550B	
LCS 480-96097/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-96097/1-A	Method Blank	Total/NA	Solid	3550B	

GC Semi VOA (Continued)

Analysis Batch: 96181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30175-3	PH-56 3'	Total/NA	Solid	8015B	95828
480-30175-3 MS	PH-56 3'	Total/NA	Solid	8015B	95828
480-30175-3 MSD	PH-56 3'	Total/NA	Solid	8015B	95828
480-30175-4	PH-58 4'	Total/NA	Solid	8015B	95828
480-30175-5	PH-59 4'	Total/NA	Solid	8015B	95828
480-30175-6	PH-62 5'	Total/NA	Solid	8015B	95828
480-30175-7	PH-64 2.5'	Total/NA	Solid	8015B	95828
480-30175-8	PH-66 2.5'	Total/NA	Solid	8015B	95828
480-30175-9	PH-68 2.5'	Total/NA	Solid	8015B	95828
480-30175-10	PH-69 2.5'	Total/NA	Solid	8015B	95828
480-30175-11	PH-70 2.5'	Total/NA	Solid	8015B	95828
LCS 480-95828/2-A	Lab Control Sample	Total/NA	Solid	8015B	95828
MB 480-95828/1-A	Method Blank	Total/NA	Solid	8015B	95828

Analysis Batch: 96282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30175-7	PH-64 2.5'	Total/NA	Solid	8082	96097
LCS 480-96097/2-A	Lab Control Sample	Total/NA	Solid	8082	96097
MB 480-96097/1-A	Method Blank	Total/NA	Solid	8082	96097

General Chemistry

Analysis Batch: 95916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30175-1	PH-54 8'	Total/NA	Solid	Moisture	
480-30175-2	PH-55 8'	Total/NA	Solid	Moisture	
480-30175-3	PH-56 3'	Total/NA	Solid	Moisture	
480-30175-4	PH-58 4'	Total/NA	Solid	Moisture	
480-30175-5	PH-59 4'	Total/NA	Solid	Moisture	
480-30175-6	PH-62 5'	Total/NA	Solid	Moisture	
480-30175-7	PH-64 2.5'	Total/NA	Solid	Moisture	
480-30175-8	PH-66 2.5'	Total/NA	Solid	Moisture	
480-30175-9	PH-68 2.5'	Total/NA	Solid	Moisture	
480-30175-10	PH-69 2.5'	Total/NA	Solid	Moisture	
480-30175-11	PH-70 2.5'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-54 8'

Lab Sample ID: 480-30175-1
Date Collected: 12/12/12 07:30
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95832	12/14/12 10:34	TR	TAL BUF
Total/NA	Analysis	8270C		1	96147	12/17/12 14:09	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Client Sample ID: PH-55 8'

Lab Sample ID: 480-30175-2
Date Collected: 12/12/12 08:10
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95832	12/14/12 10:34	TR	TAL BUF
Total/NA	Analysis	8270C		1	96147	12/17/12 14:34	HTL	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Client Sample ID: PH-56 3'

Lab Sample ID: 480-30175-3
Date Collected: 12/12/12 09:15
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95828	12/14/12 10:19	TR	TAL BUF
Total/NA	Analysis	8015B		1	96181	12/17/12 17:16	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Client Sample ID: PH-58 4'

Lab Sample ID: 480-30175-4
Date Collected: 12/12/12 10:00
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95828	12/14/12 10:19	TR	TAL BUF
Total/NA	Analysis	8015B		1	96181	12/17/12 17:49	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Client Sample ID: PH-59 4'

Lab Sample ID: 480-30175-5
Date Collected: 12/12/12 10:25
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95828	12/14/12 10:19	TR	TAL BUF
Total/NA	Analysis	8015B		1	96181	12/17/12 18:23	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-62 5'

Lab Sample ID: 480-30175-6

Date Collected: 12/12/12 12:25
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95832	12/14/12 10:34	TR	TAL BUF
Total/NA	Analysis	8270C		1	96147	12/17/12 15:22	HTL	TAL BUF
Total/NA	Prep	3550B			95828	12/14/12 10:19	TR	TAL BUF
Total/NA	Analysis	8015B		1	96181	12/17/12 18:57	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Client Sample ID: PH-64 2.5'

Lab Sample ID: 480-30175-7

Date Collected: 12/12/12 14:35
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95832	12/14/12 10:34	TR	TAL BUF
Total/NA	Analysis	8270C		5	96147	12/17/12 15:46	HTL	TAL BUF
Total/NA	Prep	3550B			95828	12/14/12 10:19	TR	TAL BUF
Total/NA	Analysis	8015B		5	96181	12/18/12 09:24	CD	TAL BUF
Total/NA	Prep	3550B			96097	12/17/12 08:36	TR	TAL BUF
Total/NA	Analysis	8082		1	96282	12/18/12 11:38	JM	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Client Sample ID: PH-66 2.5'

Lab Sample ID: 480-30175-8

Date Collected: 12/12/12 15:30
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95832	12/14/12 10:34	TR	TAL BUF
Total/NA	Analysis	8270C		1	96147	12/17/12 16:11	HTL	TAL BUF
Total/NA	Prep	3550B			95828	12/14/12 10:19	TR	TAL BUF
Total/NA	Analysis	8015B		1	96181	12/17/12 20:04	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Client Sample ID: PH-68 2.5'

Lab Sample ID: 480-30175-9

Date Collected: 12/12/12 15:50
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95828	12/14/12 10:19	TR	TAL BUF
Total/NA	Analysis	8015B		5	96181	12/18/12 09:57	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Client Sample ID: PH-69 2.5'

Lab Sample ID: 480-30175-10

Date Collected: 12/12/12 16:00
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95832	12/14/12 10:34	TR	TAL BUF
Total/NA	Analysis	8270C		1	96147	12/17/12 16:59	HTL	TAL BUF
Total/NA	Prep	3550B			95828	12/14/12 10:19	TR	TAL BUF
Total/NA	Analysis	8015B		1	96181	12/17/12 21:45	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Client Sample ID: PH-70 2.5'

Lab Sample ID: 480-30175-11

Date Collected: 12/12/12 16:15
Matrix: Solid
Date Received: 12/13/12 08:00
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95832	12/14/12 10:34	TR	TAL BUF
Total/NA	Analysis	8270C		1	96147	12/17/12 17:23	HTL	TAL BUF
Total/NA	Prep	3550B			95828	12/14/12 10:19	TR	TAL BUF
Total/NA	Analysis	8015B		5	96181	12/18/12 10:31	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95916	12/14/12 15:39	MD	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAP	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAP	5	036-999-337	12-31-12
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30175-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-30175-1	PH-54 8'	Solid	12/12/12 07:30	12/13/12 08:00
480-30175-2	PH-55 8'	Solid	12/12/12 08:10	12/13/12 08:00
480-30175-3	PH-56 3'	Solid	12/12/12 09:15	12/13/12 08:00
480-30175-4	PH-58 4'	Solid	12/12/12 10:00	12/13/12 08:00
480-30175-5	PH-59 4'	Solid	12/12/12 10:25	12/13/12 08:00
480-30175-6	PH-62 5'	Solid	12/12/12 12:25	12/13/12 08:00
480-30175-7	PH-64 2.5'	Solid	12/12/12 14:35	12/13/12 08:00
480-30175-8	PH-66 2.5'	Solid	12/12/12 15:30	12/13/12 08:00
480-30175-9	PH-68 2.5'	Solid	12/12/12 15:50	12/13/12 08:00
480-30175-10	PH-69 2.5'	Solid	12/12/12 16:00	12/13/12 08:00
480-30175-11	PH-70 2.5'	Solid	12/12/12 16:15	12/13/12 08:00

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Shannon McDonald	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-30101-7908.3
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 3 of 5
Company: TTL, Inc.				Job #:
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #: 600212024			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	8015B_DRO - (MOD) Diesel Range and Oil Range Organic	6010B, 7471A	8082 - TCL PCBs - OLM04.2	Special Instructions/Note:
PH-54 8'	12/12/12	7:30a	G	Solid		X				
PH-55 8'	12/12/12	8:10a	G	Solid		X				
PH-56 3'	12/12/12	9:15a	G	Solid			X			
PH-58 4'	12/12/12	10:00a	G	Solid			X			SHM-1
PH-59 4'	12/12/12	10:25a	G	Solid			X			
PH-60 5'	12/12/12	12:25p	G	Solid		X	X			
SHM ~~PH-63 0'~~	~~12/12/12~~	~~0:30p~~	~~G~~	~~Solid~~						
PH-64 2.5'	12/12/12	2:35p	G	Solid		X	X		X	
PH-66 2.5'	12/12/12	3:30p	G	Solid		X	X			
PH-68 2.5'	12/12/12	3:50p	G	Solid			X			
PH-69 2.5'	12/12/12	4:00p	G	Solid		X	X			

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	12/12/12 5:15 p	TTL	R English	12-13-12, 17:15	Syn
R English	12-13-12, 19:00	Syn	[illegible]	12/13/12 0800	TA Buffalo

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.8 #2

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Shannon McDonald	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-30101-7908.4
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 4 of 5
Company: TTL, Inc.				Job #:
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #: 1000212024			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Nagna	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	82608 - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	8015B_DRO - (MOD) Diesel Range and Oil Range Organic	6010B, 7471A	8082 - TCL PCBs - OLM04.2	Special Instructions/Note:
PH-70 0.5'	12/12/12	4:15p	G	Solid			X	X		
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shannon McDonald	12/12/12 5:15p	TTL	R English	12-13-12 17:15	SYA
R English	12-13-12 19:00	SYA	[illegible]	12/13/12 0800	TAL Stats
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.8 #2

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-30175-1

Login Number: 30175

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TTL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-30253-1
Client Project/Site: Magna

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Authorized for release by:
12/26/2012 11:27:57 AM
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-30253-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-30253-1

Comments
No additional comments.

Receipt
The samples were received on 12/14/2012 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS Semi VOA
Method(s) 8270C: The following sample was diluted due to viscosity: PH-76 6' (480-30253-3). Elevated reporting limits (RL) are provided.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-96093 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: The matrix spike duplicate (MSD) precision for preparation batch 480-96093 was outside control limits. The associated laboratory control sample(LCS) precision met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: The following sample was diluted to bring the concentration of target analytes within the calibration range: PH-74 7' (480-30253-1). Elevated reporting limits (RLs) are provided.

Method(s) 8015B: The following sample was diluted due to the abundance of target analytes: PH-76 6' (480-30253-3). As such, surrogate recoveries are not reported or not representative, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-74 7' — Lab Sample ID: 480-30253-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	300		190	60	ug/Kg	1	☼	8270C	Total/NA
Pyrene	46	J	190	1.2	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	700		90	27	mg/Kg	5	☼	8015B	Total/NA

Client Sample ID: PH-75 7' — Lab Sample ID: 480-30253-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	5.7	J	18	5.4	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-76 6' — Lab Sample ID: 480-30253-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetophenone	55	J	950	48	ug/Kg	5	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	1400		950	300	ug/Kg	5	☼	8270C	Total/NA
Pyrene	270	J	950	6.1	ug/Kg	5	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	3700		370	110	mg/Kg	20	☼	8015B	Total/NA

Client Sample ID: PH-77 6' — Lab Sample ID: 480-30253-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	62	J	190	60	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	220		18	5.5	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-78 4.5' — Lab Sample ID: 480-30253-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	3.8	J	200	2.0	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	6.9	J	20	6.1	mg/Kg	1	☼	8015B	Total/NA

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-74 7'
Date Collected: 12/13/12 13:00
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-1
Matrix: Solid
Percent Solids: 90.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
bis (2-chloroisopropyl) ether	190	U	190	19	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2,4,5-Trichlorophenol	190	U	190	40	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2,4-Dichlorophenol	190	U	190	9.7	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2,4-Dimethylphenol	190	U	190	50	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2,4-Dinitrophenol	360	U	360	65	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2,6-Dinitrotoluene	190	U	190	45	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2-Chloronaphthalene	190	U	190	12	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2-Chlorophenol	190	U	190	9.4	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2-Methylnaphthalene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2-Methylphenol	190	U	190	5.7	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2-Nitroaniline	360	U	360	59	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
2-Nitrophenol	190	U	190	8.5	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
3,3'-Dichlorobenzidine	190	U	190	160	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
3-Nitroaniline	360	U	360	43	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
4,6-Dinitro-2-methylphenol	360	U	360	64	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
4-Bromophenyl phenyl ether	190	U	190	59	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
4-Chloro-3-methylphenol	190	U	190	7.6	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
4-Chloroaniline	190	U	190	54	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
4-Chlorophenyl phenyl ether	190	U	190	3.9	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
4-Nitroaniline	360	U	360	21	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
4-Nitrophenol	360	U	360	45	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Acetophenone	190	U	190	9.5	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Anthracene	190	U	190	4.7	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Atrazine	190	U	190	8.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Benzaldehyde	190	U	190	20	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Benzo(a)anthracene	190	U	190	3.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Benzo(a)pyrene	190	U	190	4.5	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Benzo(b)fluoranthene	190	U	190	3.6	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Benzo(g,h,i)perylene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Benzo(k)fluoranthene	190	U	190	2.0	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Bis(2-ethylhexyl) phthalate	**300**		190	60	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Butyl benzyl phthalate	190	U	190	50	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Caprolactam	190	U	190	80	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Carbazole	190	U	190	2.1	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Chrysene	190	U	190	1.9	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Di-n-butyl phthalate	190	U	190	64	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Di-n-octyl phthalate	190	U	190	4.3	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Dibenzofuran	190	U	190	1.9	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Diethyl phthalate	190	U	190	5.6	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Dimethyl phthalate	190	U	190	4.8	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-74 7'

Date Collected: 12/13/12 13:00
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-1

Matrix: Solid
Percent Solids: 90.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	190	U	190	2.7	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Fluorene	190	U	190	4.3	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Hexachlorobenzene	190	U	190	9.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Hexachlorobutadiene	190	U	190	9.5	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Hexachlorocyclopentadiene	190	U	190	56	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Hexachloroethane	190	U	190	14	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.1	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Isophorone	190	U	190	9.3	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Naphthalene	190	U	190	3.1	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Nitrobenzene	190	U	190	8.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Pentachlorophenol	360	U	360	64	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Phenanthrene	190	U	190	3.9	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Phenol	190	U	190	19	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1
Pyrene	**46**	**J**	190	1.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*39 - / 46*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u22*	*/*
2-yl8orobiphenN	*97*		*30 - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u22*	*/*
2-yl8orophenol	*00*		*/ F - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u22*	*/*
t izrobendene-51	*F0*		*34 - / 32*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u22*	*/*
p-TerphenN-5/ 4	*F6*		*61 - / 13*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u22*	*/*
Phenol-51	*F1*		*// - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u22*	*/*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**700**		90	27	mg/Kg	☼	12/17/12 12:13	12/19/12 09:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-TerphenN	*/ 79*		*4F - / 21*	*/ 2 / 0 / 2:/ 2u/ 3*	*/ 2 / 9 / 2:79u2/*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-75 7'
Date Collected: 12/13/12 13:30
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-2
Matrix: Solid
Percent Solids: 91.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	180	U	180	11	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2,4,5-Trichlorophenol	180	U	180	39	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2,4-Dichlorophenol	180	U	180	9.5	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2,4-Dimethylphenol	180	U	180	49	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2,4-Dinitrophenol	350	U	350	63	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2,6-Dinitrotoluene	180	U	180	44	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2-Chlorophenol	180	U	180	9.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2-Methylnaphthalene	180	U	180	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2-Methylphenol	180	U	180	5.6	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2-Nitroaniline	350	U	350	58	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
2-Nitrophenol	180	U	180	8.3	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
3-Nitroaniline	350	U	350	42	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
4,6-Dinitro-2-methylphenol	350	U	350	62	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
4-Bromophenyl phenyl ether	180	U	180	58	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
4-Chloro-3-methylphenol	180	U	180	7.4	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
4-Chloroaniline	180	U	180	53	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
4-Chlorophenyl phenyl ether	180	U	180	3.9	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
4-Methylphenol	350	U	350	10	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
4-Nitroaniline	350	U	350	20	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
4-Nitrophenol	350	U	350	44	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Acenaphthene	180	U	180	2.1	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Acetophenone	180	U	180	9.3	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Anthracene	180	U	180	4.6	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Atrazine	180	U	180	8.0	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Benzaldehyde	180	U	180	20	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Benzo(a)anthracene	180	U	180	3.1	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Benzo(a)pyrene	180	U	180	4.4	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Benzo(b)fluoranthene	180	U	180	3.5	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Benzo(g,h,i)perylene	180	U	180	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Benzo(k)fluoranthene	180	U	180	2.0	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Bis(2-chloroethoxy)methane	180	U	180	9.8	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Bis(2-chloroethyl)ether	180	U	180	16	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Bis(2-ethylhexyl) phthalate	180	U	180	58	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Butyl benzyl phthalate	180	U	180	49	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Caprolactam	180	U	180	78	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Carbazole	180	U	180	2.1	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Chrysene	180	U	180	1.8	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Di-n-butyl phthalate	180	U	180	62	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Di-n-octyl phthalate	180	U	180	4.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Dibenz(a,h)anthracene	180	U	180	2.1	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Dibenzofuran	180	U	180	1.9	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Diethyl phthalate	180	U	180	5.5	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Dimethyl phthalate	180	U	180	4.7	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-75 7'

Date Collected: 12/13/12 13:30
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-2

Matrix: Solid
Percent Solids: 91.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	180	U	180	2.6	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Fluorene	180	U	180	4.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Hexachlorobenzene	180	U	180	9.0	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Hexachlorobutadiene	180	U	180	9.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Hexachlorocyclopentadiene	180	U	180	55	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Indeno(1,2,3-cd)pyrene	180	U	180	5.0	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Isophorone	180	U	180	9.0	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
N-Nitrosodi-n-propylamine	180	U	180	14	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
N-Nitrosodiphenylamine	180	U	180	9.9	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Naphthalene	180	U	180	3.0	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Nitrobenzene	180	U	180	8.0	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Pentachlorophenol	350	U	350	62	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Phenanthrene	180	U	180	3.8	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Phenol	180	U	180	19	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1
Pyrene	180	U	180	1.2	ug/Kg	☼	12/17/12 08:18	12/19/12 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*39 - / 46*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u46*	*/*
2-yl8orobiphenN	*F9*		*30 - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u46*	*/*
2-yl8orophenol	*02*		*/ F - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u46*	*/*
t izrobendene-51	*F6*		*34 - / 32*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u46*	*/*
p-TerphenN-5/ 4	*99*		*61 - / 13*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u46*	*/*
Phenol-51	*FF*		*// - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 6u46*	*/*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**5.7**	**J**	18	5.4	mg/Kg	☼	12/17/12 12:13	12/18/12 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-TerphenN	*02*		*4F - / 21*	*/ 2 / 0 / 2:/ 2u/ 3*	*/ 2 / F / 2:/ Fu49*	*/*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-76 6'
Date Collected: 12/13/12 13:50
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-3
Matrix: Solid
Percent Solids: 88.3

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	950	U	950	59	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
bis (2-chloroisopropyl) ether	950	U	950	98	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2,4,5-Trichlorophenol	950	U	950	210	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2,4,6-Trichlorophenol	950	U	950	62	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2,4-Dichlorophenol	950	U	950	49	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2,4-Dimethylphenol	950	U	950	250	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2,4-Dinitrophenol	1800	U	1800	330	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2,4-Dinitrotoluene	950	U	950	150	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2,6-Dinitrotoluene	950	U	950	230	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2-Chloronaphthalene	950	U	950	63	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2-Chlorophenol	950	U	950	48	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2-Methylnaphthalene	950	U	950	11	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2-Methylphenol	950	U	950	29	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2-Nitroaniline	1800	U	1800	300	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
2-Nitrophenol	950	U	950	43	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
3,3'-Dichlorobenzidine	950	U	950	820	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
3-Nitroaniline	1800	U	1800	220	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
4,6-Dinitro-2-methylphenol	1800	U	1800	320	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
4-Bromophenyl phenyl ether	950	U	950	300	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
4-Chloro-3-methylphenol	950	U	950	39	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
4-Chloroaniline	950	U	950	280	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
4-Chlorophenyl phenyl ether	950	U	950	20	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
4-Methylphenol	1800	U	1800	52	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
4-Nitroaniline	1800	U	1800	110	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
4-Nitrophenol	1800	U	1800	230	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Acenaphthene	950	U	950	11	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Acenaphthylene	950	U	950	7.7	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Acetophenone	**55**	**J**	950	48	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Anthracene	950	U	950	24	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Atrazine	950	U	950	42	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Benzaldehyde	950	U	950	100	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Benzo(a)anthracene	950	U	950	16	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Benzo(a)pyrene	950	U	950	23	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Benzo(b)fluoranthene	950	U	950	18	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Benzo(g,h,i)perylene	950	U	950	11	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Benzo(k)fluoranthene	950	U	950	10	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Bis(2-chloroethoxy)methane	950	U	950	51	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Bis(2-chloroethyl)ether	950	U	950	81	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Bis(2-ethylhexyl) phthalate	**1400**		950	300	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Butyl benzyl phthalate	950	U	950	250	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Caprolactam	950	U	950	410	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Carbazole	950	U	950	11	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Chrysene	950	U	950	9.4	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Di-n-butyl phthalate	950	U	950	330	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Di-n-octyl phthalate	950	U	950	22	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Dibenz(a,h)anthracene	950	U	950	11	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Dibenzofuran	950	U	950	9.8	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Diethyl phthalate	950	U	950	28	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Dimethyl phthalate	950	U	950	25	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-76 6'

Date Collected: 12/13/12 13:50
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-3

Matrix: Solid
Percent Solids: 88.3

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	950	U	950	14	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Fluorene	950	U	950	22	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Hexachlorobenzene	950	U	950	47	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Hexachlorobutadiene	950	U	950	48	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Hexachlorocyclopentadiene	950	U	950	280	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Hexachloroethane	950	U	950	73	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Indeno(1,2,3-cd)pyrene	950	U	950	26	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Isophorone	950	U	950	47	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
N-Nitrosodi-n-propylamine	950	U	950	74	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
N-Nitrosodiphenylamine	950	U	950	51	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Naphthalene	950	U	950	16	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Nitrobenzene	950	U	950	42	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Pentachlorophenol	1800	U	1800	320	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Phenanthrene	950	U	950	20	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Phenol	950	U	950	99	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5
Pyrene	**270**	**J**	950	6.1	ug/Kg	☼	12/17/12 08:18	12/19/12 17:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*F3*		*39 - / 46*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u/ 7*	*1*
2-yI8orobiphenN	*F2*		*30 - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u/ 7*	*1*
2-yI8orophenol	*13*		*/ F - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u/ 7*	*1*
t izrobendene-51	*04*		*34 - / 32*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u/ 7*	*1*
p-TerphenN-5/ 4	*F2*		*61 - / 13*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u/ 7*	*1*
Phenol-51	*66*		*// - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u/ 7*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3700**		370	110	mg/Kg	☼	12/17/12 12:13	12/19/12 09:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-TerphenN	*// 1*		*4F - / 21*	*/ 2 / 0 / 2:/ 2u/ 3*	*/ 2 / 9 / 2:79ul4*	*27*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	230	U	230	45	ug/Kg	☼	12/17/12 08:36	12/18/12 11:53	1
PCB-1221	230	U	230	45	ug/Kg	☼	12/17/12 08:36	12/18/12 11:53	1
PCB-1232	230	U	230	45	ug/Kg	☼	12/17/12 08:36	12/18/12 11:53	1
PCB-1242	230	U	230	45	ug/Kg	☼	12/17/12 08:36	12/18/12 11:53	1
PCB-1248	230	U	230	45	ug/Kg	☼	12/17/12 08:36	12/18/12 11:53	1
PCB-1254	230	U	230	110	ug/Kg	☼	12/17/12 08:36	12/18/12 11:53	1
PCB-1260	230	U	230	110	ug/Kg	☼	12/17/12 08:36	12/18/12 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB:DecachlorobiphenN	*// 7*		*36 - / F2*	*/ 2 / 0 / 2:7Fu86*	*/ 2 / F / 2:// ul3*	*/*
Tezrachloro-m-xNene	*F2*		*24 - / 02*	*/ 2 / 0 / 2:7Fu86*	*/ 2 / F / 2:// ul3*	*/*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-77 6'
Date Collected: 12/13/12 15:30
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-4
Matrix: Solid
Percent Solids: 90.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
bis (2-chloroisopropyl) ether	190	U	190	19	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2,4,5-Trichlorophenol	190	U	190	41	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2,4-Dichlorophenol	190	U	190	9.7	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2,4-Dimethylphenol	190	U	190	50	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2,4-Dinitrophenol	360	U	360	65	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2,6-Dinitrotoluene	190	U	190	45	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2-Chloronaphthalene	190	U	190	12	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2-Chlorophenol	190	U	190	9.5	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2-Methylnaphthalene	190	U	190	2.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2-Methylphenol	190	U	190	5.7	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2-Nitroaniline	360	U	360	60	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
2-Nitrophenol	190	U	190	8.5	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
3,3'-Dichlorobenzidine	190	U	190	160	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
3-Nitroaniline	360	U	360	43	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
4,6-Dinitro-2-methylphenol	360	U	360	64	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
4-Bromophenyl phenyl ether	190	U	190	59	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
4-Chloro-3-methylphenol	190	U	190	7.6	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
4-Chloroaniline	190	U	190	55	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
4-Chlorophenyl phenyl ether	190	U	190	4.0	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
4-Nitroaniline	360	U	360	21	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
4-Nitrophenol	360	U	360	45	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Acetophenone	190	U	190	9.5	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Anthracene	190	U	190	4.8	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Atrazine	190	U	190	8.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Benzaldehyde	190	U	190	20	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Benzo(a)anthracene	190	U	190	3.2	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Benzo(a)pyrene	190	U	190	4.5	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Benzo(b)fluoranthene	190	U	190	3.6	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Benzo(g,h,i)perylene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Benzo(k)fluoranthene	190	U	190	2.0	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Bis(2-ethylhexyl) phthalate	**62**	**J**	190	60	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Butyl benzyl phthalate	190	U	190	50	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Caprolactam	190	U	190	80	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Carbazole	190	U	190	2.1	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Chrysene	190	U	190	1.9	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Di-n-butyl phthalate	190	U	190	64	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Di-n-octyl phthalate	190	U	190	4.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Dibenzofuran	190	U	190	1.9	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Diethyl phthalate	190	U	190	5.6	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Dimethyl phthalate	190	U	190	4.8	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-77 6'

Date Collected: 12/13/12 15:30
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-4

Matrix: Solid
Percent Solids: 90.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	190	U	190	2.7	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Fluorene	190	U	190	4.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Hexachlorobenzene	190	U	190	9.2	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Hexachlorobutadiene	190	U	190	9.5	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Hexachlorocyclopentadiene	190	U	190	56	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Hexachloroethane	190	U	190	14	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.1	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Isophorone	190	U	190	9.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Naphthalene	190	U	190	3.1	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Nitrobenzene	190	U	190	8.2	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Pentachlorophenol	360	U	360	64	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Phenanthrene	190	U	190	3.9	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Phenol	190	U	190	20	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1
Pyrene	190	U	190	1.2	ug/Kg	☼	12/17/12 08:18	12/19/12 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*39 - / 46*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u84*	*/*
2-yI8orobiphenN	*FF*		*30 - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u84*	*/*
2-yI8orophenol	*04*		*/ F - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u84*	*/*
t izrobendene-51	*F2*		*34 - / 32*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u84*	*/*
p-TerphenN-5/ 4	*F9*		*61 - / 13*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u84*	*/*
Phenol-51	*F/*		*// - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0u84*	*/*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**220**		18	5.5	mg/Kg	☼	12/17/12 12:13	12/18/12 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-TerphenN	*FF*		*4F - / 21*	*/ 2 / 0 / 2:/ 2u/ 3*	*/ 2 / F / 2:/ 9u/ 6*	*/*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-78 4.5'
Date Collected: 12/13/12 16:20
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-5
Matrix: Solid
Percent Solids: 81.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	13	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
bis (2-chloroisopropyl) ether	200	U	200	21	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2,4,5-Trichlorophenol	200	U	200	44	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2,4,6-Trichlorophenol	200	U	200	13	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2,4-Dichlorophenol	200	U	200	11	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2,4-Dimethylphenol	200	U	200	55	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2,4-Dinitrophenol	400	U	400	71	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2,4-Dinitrotoluene	200	U	200	31	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2,6-Dinitrotoluene	200	U	200	50	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2-Chloronaphthalene	200	U	200	14	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2-Chlorophenol	200	U	200	10	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2-Methylnaphthalene	200	U	200	2.5	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2-Methylphenol	200	U	200	6.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2-Nitroaniline	400	U	400	65	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
2-Nitrophenol	200	U	200	9.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
3,3'-Dichlorobenzidine	200	U	200	180	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
3-Nitroaniline	400	U	400	47	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
4,6-Dinitro-2-methylphenol	400	U	400	70	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
4-Bromophenyl phenyl ether	200	U	200	65	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
4-Chloro-3-methylphenol	200	U	200	8.4	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
4-Chloroaniline	200	U	200	60	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
4-Chlorophenyl phenyl ether	200	U	200	4.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
4-Methylphenol	400	U	400	11	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
4-Nitroaniline	400	U	400	23	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
4-Nitrophenol	400	U	400	49	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Acenaphthene	200	U	200	2.4	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Acenaphthylene	200	U	200	1.7	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Acetophenone	200	U	200	10	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Anthracene	200	U	200	5.2	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Atrazine	200	U	200	9.0	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Benzaldehyde	200	U	200	22	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Benzo(a)anthracene	200	U	200	3.5	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Benzo(a)pyrene	200	U	200	4.9	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Benzo(b)fluoranthene	200	U	200	3.9	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Benzo(g,h,i)perylene	200	U	200	2.4	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Benzo(k)fluoranthene	200	U	200	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Bis(2-chloroethoxy)methane	200	U	200	11	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Bis(2-chloroethyl)ether	200	U	200	18	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Bis(2-ethylhexyl) phthalate	200	U	200	66	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Butyl benzyl phthalate	200	U	200	55	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Caprolactam	200	U	200	88	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Carbazole	200	U	200	2.4	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Chrysene	**3.8**	**J**	200	2.0	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Di-n-butyl phthalate	200	U	200	70	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Di-n-octyl phthalate	200	U	200	4.8	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Dibenz(a,h)anthracene	200	U	200	2.4	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Dibenzofuran	200	U	200	2.1	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Diethyl phthalate	200	U	200	6.1	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Dimethyl phthalate	200	U	200	5.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Client Sample ID: PH-78 4.5'

Date Collected: 12/13/12 16:20
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-5

Matrix: Solid
Percent Solids: 81.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	200	U	200	2.9	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Fluorene	200	U	200	4.7	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Hexachlorobenzene	200	U	200	10	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Hexachlorobutadiene	200	U	200	10	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Hexachlorocyclopentadiene	200	U	200	61	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Hexachloroethane	200	U	200	16	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Indeno(1,2,3-cd)pyrene	200	U	200	5.6	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Isophorone	200	U	200	10	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
N-Nitrosodi-n-propylamine	200	U	200	16	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
N-Nitrosodiphenylamine	200	U	200	11	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Naphthalene	200	U	200	3.4	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Nitrobenzene	200	U	200	9.0	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Pentachlorophenol	400	U	400	70	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Phenanthrene	200	U	200	4.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Phenol	200	U	200	21	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1
Pyrene	200	U	200	1.3	ug/Kg	☼	12/17/12 08:18	12/19/12 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*9F*		*39 - / 46*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0ul F*	*/*
2-yl8orobiphenN	*91*		*30 - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0ul F*	*/*
2-yl8orophenol	*F4*		*/ F - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0ul F*	*/*
t izrobendene-51	*92*		*34 - / 32*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0ul F*	*/*
p-TerphenN-5/ 4	*9F*		*61 - / 13*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0ul F*	*/*
Phenol-51	*93*		*// - / 27*	*/ 2 / 0 / 2:7Fu/ F*	*/ 2 / 9 / 2:/ 0ul F*	*/*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**6.9**	**J**	20	6.1	mg/Kg	☼	12/17/12 12:13	12/18/12 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-TerphenN	*06*		*4F - / 21*	*/ 2 / 0 / 2:/ 2u/ 3*	*/ 2 / F / 2:27t87*	*/*

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30173-5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(65-153)	(11-120)
480-30173-5	P' -64 62	97	90	66	86	8H	87
480-30173-5 MS	P' -64 62	500	9H	80	95	88	88
480-30173-5 MSD	P' -64 62	505	98	85	93	95	95
480-30173-1	P' -67 62	94	89	61	8H	99	88
480-30173-3	P' -6HH2	83	81	73	64	81	HH
480-30173-4	P' -66 H2	94	88	64	81	89	85
480-30173-7	P' -68 4.72	98	97	84	91	98	93
LCS 480-9H093/1-A	Lab Control Sample	503	96	8H	97	504	93
MB 480-9H093/5-A	Method Blank	99	500	93	96	506	500

Surrogate Legend

TBP = 1,4,H-Tribromophenol
FBP = 1-Fluorobiphenyl
1FP = 1-Fluorophenol
NBZ = Nitrobenzene-d7
TP' = p-Terphenyl-d54
P' L = Phenol-d7

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH1
Lab Sample ID	Client Sample ID	(48-125)
480-30173-5	P' -64 62	509
480-30173-1	P' -67 62	61
480-30173-3	P' -6HH2	557
480-30173-4	P' -66 H2	88
480-30173-7	P' -68 4.72	6H
LCS 480-9H5H3/1-A	Lab Control Sample	94
MB 480-9H5H3/5-A	Method Blank	6H

Surrogate Legend

OTP' = o-Terphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(36-182)	(24-172)
480-30173-3	P' -6HH2	550	81

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCf = Tetrachloro-m-Xylene

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30173-5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCB1	TCX1						
Lab Sample ID	**Client Sample ID**	**(36-182)**	**(24-172)**						
LCS 480-9H096/1-A	Lab Control Sample	57H	565						
MB 480-9H096/5-A	Method Blank	534	544						

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCf = Tetrachloro-m-Xylene

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-95093/1-A
Matrix: Solid
Analysis Batch: 95674

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5U0	u	5U0	50	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
bis)1-chloroisopropyl6ether	5U0	u	5U0	5U	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1,4,7-Trichlorophenol	5U0	u	5U0	3(	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1,4,(-Trichlorophenol	5U0	u	5U0	55	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1,4-Dichlorophenol	5U0	u	5U0	8.U	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1,4-Dimethylphenol	5U0	u	5U0	47	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1,4-Dinitrophenol	310	u	310	78	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1,4-DinitrotolKene	5U0	u	5U0	1(	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1,(-DinitrotolKene	5U0	u	5U0	40	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1-Chloronaphthalene	5U0	u	5U0	55	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1-Chlorophenol	5U0	u	5U0	8.4	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1-Methylnaphthalene	5U0	u	5U0	1.0	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1-Methylphenol	5U0	u	5U0	7.5	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1-Nitroaniline	310	u	310	73	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
1-Nitrophenol	5U0	u	5U0	U.(	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
3,3'-Dichlorobenzidine	5U0	u	5U0	540	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
3-Nitroaniline	310	u	310	38	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
4,(-Dinitro-1-methylphenol	310	u	310	7U	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
4-Bromophenyl phenyl ether	5U0	u	5U0	73	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
4-Chloro-3-methylphenol	5U0	u	5U0	(.8	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
4-Chloroaniline	5U0	u	5U0	49	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
4-Chlorophenyl phenyl ether	5U0	u	5U0	3.7	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
4-Methylphenol	310	u	310	9.1	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
4-Nitroaniline	310	u	310	58	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
4-Nitrophenol	310	u	310	40	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Acenaphthene	5U0	u	5U0	5.9	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Acenaphthylene	5U0	u	5U0	5.4	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Acetophenone	5U0	u	5U0	8.7	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Anthracene	5U0	u	5U0	4.1	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Atrazine	5U0	u	5U0	U.4	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Benzaldehyde	5U0	u	5U0	58	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Benzo)a6anthracene	5U0	u	5U0	1.9	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Benzo)a6pyrene	5U0	u	5U0	4.0	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Benzo)b6flKoranthene	5U0	u	5U0	3.1	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Benzo)g,h,i6perylene	5U0	u	5U0	1.0	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Benzo)k6flKoranthene	5U0	u	5U0	5.8	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Bis)1-chloroethoxy6methane	5U0	u	5U0	9.0	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Bis)1-chloroethyl6ether	5U0	u	5U0	54	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Bis)1-ethylhexyl6phthalate	5U0	u	5U0	73	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
BKtyl benzyl phthalate	5U0	u	5U0	44	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Caprolactam	5U0	u	5U0	U1	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Carbazole	5U0	u	5U0	5.9	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Chrysene	5U0	u	5U0	5.U	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Di-n-bKtyl phthalate	5U0	u	5U0	7U	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Di-n-octyl phthalate	5U0	u	5U0	3.9	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Dibenz)a,h6anthracene	5U0	u	5U0	5.9	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
DibenzofKran	5U0	u	5U0	5.U	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Diethyl phthalate	5U0	u	5U0	7.0	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-95093/1-A
Matrix: Solid
Analysis Batch: 95674

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	5U0	u	5U0	4.3	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
FIKoranthene	5U0	u	5U0	1.4	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
FIKorene	5U0	u	5U0	3.8	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Hexachlorobenzene	5U0	u	5U0	8.1	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
HexachlorobKtadiene	5U0	u	5U0	8.7	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Hexachlorocyclopentadiene	5U0	u	5U0	70	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Hexachloroethane	5U0	u	5U0	53	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Indeno)5,1,3-cd6pyrene	5U0	u	5U0	4.(	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Isophorone	5U0	u	5U0	8.3	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
N-Nitrosodi-n-propylamine	5U0	u	5U0	53	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
N-Nitrosodiphenylamine	5U0	u	5U0	9.0	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Naphthalene	5U0	u	5U0	1.8	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Nitrobenzene	5U0	u	5U0	U.3	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Pentachlorophenol	310	u	310	7U	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Phenanthrene	5U0	u	5U0	3.7	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Phenol	5U0	u	5U0	5U	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5
Pyrene	5U0	u	5U0	5.5	Kg/2g		51/5U/51 08:58	51/59/51 55:0(	5

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*19 - 346*	*32/37/32 : F03F*	*32/39/32 330 6*	*3*
2-ulyorobiphen8l	*3: :*		*17 - 32:*	*32/37/32 : F03F*	*32/39/32 330 6*	*3*
2-ulyorophenol	*91*		*3F - 32:*	*32/37/32 : F03F*	*32/39/32 330 6*	*3*
Nitrobenzene-d5	*97*		*14 - 312*	*32/37/32 : F03F*	*32/39/32 330 6*	*3*
p-Terphen8l-d34	*3: 7*		*65 - 351*	*32/37/32 : F03F*	*32/39/32 330 6*	*3*
Phenol-d5	*3: :*		*33 - 32:*	*32/37/32 : F03F*	*32/39/32 330 6*	*3*

Lab Sample ID: LCS 480-95093/2-A
Matrix: Solid
Analysis Batch: 95674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-DinitrotolKene	5(30	5(70		Kg/2g		505	77 - 517
1-Chlorophenol	5(30	5430		Kg/2g		88	38 - 510
4-Chloro-3-methylphenol	5(30	5(10		Kg/2g		99	49 - 517
4-Nitrophenol	5(30	5780		Kg/2g		9U	43 - 53U
Acenaphthene	5(30	5(50		Kg/2g		99	73 - 510
Bis)1-ethylhexyl6phthalate	5(30	5(70		Kg/2g		505	(5 - 533
FIKorene	5(30	5(80		Kg/2g		503	(3 - 51(
Hexachloroethane	5(30	5330		Kg/2g		81	45 - 510
N-Nitrosodi-n-propylamine	5(30	5750		Kg/2g		93	4(- 510
Pentachlorophenol	5(30	53U0		Kg/2g		84	33 - 53(
Phenol	5(30	5490		Kg/2g		91	3(- 510
Pyrene	5(30	5U90		Kg/2g		550	75 - 533

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*3: 1*		*19 - 346*
2-ulyorobiphen8l	*97*		*17 - 32:*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-95093/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95674 — **Prep Batch: 95093**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-ulyorophenol	F6		3F - 32:
Nitrobenzene-d5	95		14 - 312
p-Terphen8l-d34	3: 4		65 - 351
Phenol-d5	91		33 - 32:

Lab Sample ID: 480-30263-1 MS — **Client Sample ID: PH-74 7'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95674 — **Prep Batch: 95093**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-DinitrotolKene	590	u	5840	5800		Kg/2g	☼	98	77 - 517
1-Chlorophenol	590	u	5840	5770		Kg/2g	☼	84	38 - 510
4-Chloro-3-methylphenol	590	u	5840	1130		Kg/2g	☼	515	49 - 517
4-Nitrophenol	3(0	u	5840	5U50		Kg/2g	☼	93	43 - 53U
Acenaphthene	590	u	5840	5810		Kg/2g	☼	99	73 - 510
Bis)1-ethylhexyl6phthalate	300		5840	1580		Kg/2g	☼	501	(5 - 533
FlKorene	590	u	5840	5880		Kg/2g	☼	501	(3 - 51(
Hexachloroethane	590	u	5840	5770		Kg/2g	☼	84	45 - 510
N-Nitrosodi-n-propylamine	590	u	5840	5(70		Kg/2g	☼	90	4(- 510
Pentachlorophenol	3(0	u	5840	5700		Kg/2g	☼	81	33 - 53(
Phenol	590	u	5840	57U0		Kg/2g	☼	8(	3(- 510
Pyrene	4(	J	5840	5(80		Kg/2g	☼	89	75 - 533

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol	3: :		19 - 346
2-ulyorobiphen8l	96		17 - 32:
2-ulyorophenol	F:		3F - 32:
Nitrobenzene-d5	93		14 - 312
p-Terphen8l-d34	FF		65 - 351
Phenol-d5	FF		33 - 32:

Lab Sample ID: 480-30263-1 MSD — **Client Sample ID: PH-74 7'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95674 — **Prep Batch: 95093**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-DinitrotolKene	590	u	5850	5U80		Kg/2g	☼	98	77 - 517	1	10
1-Chlorophenol	590	u	5850	5740		Kg/2g	☼	87	38 - 510	5	17
4-Chloro-3-methylphenol	590	u	5850	5U90		Kg/2g	☼	98	49 - 517	11	1U
4-Nitrophenol	3(0	u	5850	5(30		Kg/2g	☼	90	43 - 53U	7	17
Acenaphthene	590	u	5850	5830		Kg/2g	☼	505	73 - 510	0	37
Bis)1-ethylhexyl6phthalate	300		5850	15U0		Kg/2g	☼	503	(5 - 533	0	57
FlKorene	590	u	5850	5880		Kg/2g	☼	504	(3 - 51(	0	57
Hexachloroethane	590	u	5850	54U0		Kg/2g	☼	85	45 - 510	7	4(
N-Nitrosodi-n-propylamine	590	u	5850	5(U0		Kg/2g	☼	91	4(- 510	5	35
Pentachlorophenol	3(0	u	5850	57(0		Kg/2g	☼	8(	33 - 53(	4	37
Phenol	590	u	5850	5(10		Kg/2g	☼	90	3(- 510	3	37
Pyrene	4(	J	5850	5U(0		Kg/2g	☼	97	75 - 533	7	37

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-30263-1 MSD
Matrix: Solid
Analysis Batch: 95674

Client Sample ID: PH-74 7'
Prep Type: Total/NA
Prep Batch: 95093

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol	3: 3		19 - 346
2-ulyorobiphen8l	9F		17 - 32:
2-ulyorophenol	F3		3F - 32:
Nitrobenzene-d5	91		14 - 312
p-Terphen8l-d34	93		65 - 351
Phenol-d5	93		33 - 32:

Method: 8016B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-95153/1-A
Matrix: Solid
Analysis Batch: 95413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C50-C18]	5(	u	5(	4.9	mg/2g		51/5U/51 51:53	51/58/51 5(:00	5

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphen8l	76		4F - 325	32/37/32 32031	32/3F/32 360 :	3

Lab Sample ID: LCS 480-95153/2-A
Matrix: Solid
Analysis Batch: 95413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95153

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C50-C18]	49.4	49.1		mg/2g		500	48 - 537

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphen8l	94		4F - 325

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-95097/1-A
Matrix: Solid
Analysis Batch: 95282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-505(	110	u	110	41	Kg/2g		51/5U/51 08:3(	51/58/51 08:5U	5
PCB-5115	110	u	110	41	Kg/2g		51/5U/51 08:3(	51/58/51 08:5U	5
PCB-5131	110	u	110	41	Kg/2g		51/5U/51 08:3(	51/58/51 08:5U	5
PCB-5141	110	u	110	41	Kg/2g		51/5U/51 08:3(	51/58/51 08:5U	5
PCB-5148	110	u	110	41	Kg/2g		51/5U/51 08:3(	51/58/51 08:5U	5
PCB-5174	110	u	110	500	Kg/2g		51/5U/51 08:3(	51/58/51 08:5U	5
PCB-51(0	110	u	110	500	Kg/2g		51/5U/51 08:3(	51/58/51 08:5U	5

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphen8l	314		16 - 3F2	32/37/32 : F016	32/3F/32 : F037	3

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-95097/1-A
Matrix: Solid
Analysis Batch: 95282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95097

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-x8lene	*344*		*24 - 372*	*32/37/32 : F016*	*32/3F/32 : F037*	*3*

Lab Sample ID: LCS 480-95097/2-A
Matrix: Solid
Analysis Batch: 95282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-505(	1400	3U40		Kg/2g		57(	75 - 587
PCB-51(0	1400	3000		Kg/2g		517	(5 - 584

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphen8l	*356*		*16 - 3F2*
Tetrachloro-m-x8lene	*373*		*24 - 372*

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30173-5

GC/MS Semi VOA

Prep Batch: 95893

2aL Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30173-5	PH-' 4 ' N	Total/2 A	Solid	3770B	
480-30173-5 MS	PH-' 4 ' N	Total/2 A	Solid	3770B	
480-30173-5 MSD	PH-' 4 ' N	Total/2 A	Solid	3770B	
480-30173-1	PH-' 7 ' N	Total/2 A	Solid	3770B	
480-30173-3	PH-' 6 6N	Total/2 A	Solid	3770B	
480-30173-4	PH-' ' 6N	Total/2 A	Solid	3770B	
480-30173-7	PH-' 8 4.7N	Total/2 A	Solid	3770B	
LCS 480-96093/1-A	Lab Control Sample	Total/2 A	Solid	3770B	
MB 480-96093/5-A	Method Blank	Total/2 A	Solid	3770B	

Analysis Batch: 95d61

2aL Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30173-5	PH-' 4 ' N	Total/2 A	Solid	81' 0C	96093
480-30173-5 MS	PH-' 4 ' N	Total/2 A	Solid	81' 0C	96093
480-30173-5 MSD	PH-' 4 ' N	Total/2 A	Solid	81' 0C	96093
480-30173-1	PH-' 7 ' N	Total/2 A	Solid	81' 0C	96093
480-30173-3	PH-' 6 6N	Total/2 A	Solid	81' 0C	96093
480-30173-4	PH-' ' 6N	Total/2 A	Solid	81' 0C	96093
480-30173-7	PH-' 8 4.7N	Total/2 A	Solid	81' 0C	96093
LCS 480-96093/1-A	Lab Control Sample	Total/2 A	Solid	81' 0C	96093
MB 480-96093/5-A	Method Blank	Total/2 A	Solid	81' 0C	96093

GC Semi VOA

Prep Batch: 95896

2aL Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30173-3	PH-' 6 6N	Total/2 A	Solid	3770B	
LCS 480-9609' /1-A	Lab Control Sample	Total/2 A	Solid	3770B	
MB 480-9609' /5-A	Method Blank	Total/2 A	Solid	3770B	

Prep Batch: 95453

2aL Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30173-5	PH-' 4 ' N	Total/2 A	Solid	3770B	
480-30173-1	PH-' 7 ' N	Total/2 A	Solid	3770B	
480-30173-3	PH-' 6 6N	Total/2 A	Solid	3770B	
480-30173-4	PH-' ' 6N	Total/2 A	Solid	3770B	
480-30173-7	PH-' 8 4.7N	Total/2 A	Solid	3770B	
LCS 480-96563/1-A	Lab Control Sample	Total/2 A	Solid	3770B	
MB 480-96563/5-A	Method Blank	Total/2 A	Solid	3770B	

Analysis Batch: 95707

2aL Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30173-3	PH-' 6 6N	Total/2 A	Solid	8081	9609'
LCS 480-9609' /1-A	Lab Control Sample	Total/2 A	Solid	8081	9609'
MB 480-9609' /5-A	Method Blank	Total/2 A	Solid	8081	9609'

Analysis Batch: 95143

2aL Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30173-5	PH-' 4 ' N	Total/2 A	Solid	8057B	96563
480-30173-1	PH-' 7 ' N	Total/2 A	Solid	8057B	96563

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30173-5

GC Semi VOA (Continuex)

Analysis Batch: 95143 (Continuex)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30173-3	PH-' 6 6N	Total/2 A	Solid	8057B	96563
480-30173-4	PH-' ' 6N	Total/2 A	Solid	8057B	96563
480-30173-7	PH-' 8 4.7N	Total/2 A	Solid	8057B	96563
LCS 480-96563/1-A	Lab Control Sample	Total/2 A	Solid	8057B	96563
MB 480-96563/5-A	Method Blank	Total/2 A	Solid	8057B	96563

General Chemistry

Analysis Batch: 95189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30173-5	PH-' 4 ' N	Total/2 A	Solid	Moisture	
480-30173-1	PH-' 7 ' N	Total/2 A	Solid	Moisture	
480-30173-3	PH-' 6 6N	Total/2 A	Solid	Moisture	
480-30173-4	PH-' ' 6N	Total/2 A	Solid	Moisture	
480-30173-7	PH-' 8 4.7N	Total/2 A	Solid	Moisture	

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30173-5

Client Sample ID: PH-54 58

Date Collecte2: M1/M3/M1 M3:00
Date Receive2: M1/M4/M1 0' :00

Lab Sample ID: 4' 0-30173-M

x atrid: Soli2
Percent Soli2s: 90.7

Prep Type	Batch Type	Batch x etho2	Run	Dilution Factor	Batch Number	Prepare2 or Analyze2	Analyst	Lab
Total/NA	Prep	3770B			R90R3	51/52/51 08:58	CM	TAL BUF
Total/NA	Analysis	8120C		5	R9724	51/5R/51 59:11	6 TL	TAL BUF
Total/NA	Prep	3770B			R9593	51/52/51 51:53	CM	TAL BUF
Total/NA	Analysis	8057B		7	R9453	51/5R/51 0R:15	CD	TAL BUF
Total/NA	Analysis	MoistHre		5	R947R	51/58/51 58:31	MD	TAL BUF

Client Sample ID: PH-57 58

Date Collecte2: M1/M3/M1 M3:30
Date Receive2: M1/M4/M1 0' :00

Lab Sample ID: 4' 0-30173-1

x atrid: Soli2
Percent Soli2s: 9M5

Prep Type	Batch Type	Batch x etho2	Run	Dilution Factor	Batch Number	Prepare2 or Analyze2	Analyst	Lab
Total/NA	Prep	3770B			R90R3	51/52/51 08:58	CM	TAL BUF
Total/NA	Analysis	8120C		5	R9724	51/5R/51 59:49	6 TL	TAL BUF
Total/NA	Prep	3770B			R9593	51/52/51 51:53	CM	TAL BUF
Total/NA	Analysis	8057B		5	R9453	51/58/51 58:4R	CD	TAL BUF
Total/NA	Analysis	MoistHre		5	R947R	51/58/51 58:31	MD	TAL BUF

Client Sample ID: PH-56 68

Date Collecte2: M1/M3/M1 M3:70
Date Receive2: M1/M4/M1 0' :00

Lab Sample ID: 4' 0-30173-3

x atrid: Soli2
Percent Soli2s: ' ' .3

Prep Type	Batch Type	Batch x etho2	Run	Dilution Factor	Batch Number	Prepare2 or Analyze2	Analyst	Lab
Total/NA	Prep	3770B			R90R3	51/52/51 08:58	CM	TAL BUF
Total/NA	Analysis	8120C		7	R9724	51/5R/51 52:50	6 TL	TAL BUF
Total/NA	Prep	3770B			R90R2	51/52/51 08:39	Tu	TAL BUF
Total/NA	Analysis	8081		5	R9181	51/58/51 55:73	JM	TAL BUF
Total/NA	Prep	3770B			R9593	51/52/51 51:53	CM	TAL BUF
Total/NA	Analysis	8057B		10	R9453	51/5R/51 0R:74	CD	TAL BUF
Total/NA	Analysis	MoistHre		5	R947R	51/58/51 58:31	MD	TAL BUF

Client Sample ID: PH-55 68

Date Collecte2: M1/M3/M1 M7:30
Date Receive2: M1/M4/M1 0' :00

Lab Sample ID: 4' 0-30173-4

x atrid: Soli2
Percent Soli2s: 90.7

Prep Type	Batch Type	Batch x etho2	Run	Dilution Factor	Batch Number	Prepare2 or Analyze2	Analyst	Lab
Total/NA	Prep	3770B			R90R3	51/52/51 08:58	CM	TAL BUF
Total/NA	Analysis	8120C		5	R9724	51/5R/51 52:34	6 TL	TAL BUF
Total/NA	Prep	3770B			R9593	51/52/51 51:53	CM	TAL BUF
Total/NA	Analysis	8057B		5	R9453	51/58/51 5R:79	CD	TAL BUF
Total/NA	Analysis	MoistHre		5	R947R	51/58/51 58:31	MD	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30173-5

Client Sample ID: PH-5' 4.78
Date Collecte2: M1/M3/M1 M6:10
Date Receive2: M1/M4/M1 0' :00

Lab Sample ID: 4' 0-30173-7
x atrid: Soli2
Percent Soli2s: ' MM

Prep Type	Batch Type	Batch x etho2	Run	Dilution Factor	Batch Number	Prepare2 or Analyze2	Analyst	Lab
Total/NA	Prep	3770B			R90R3	51/52/51 08:58	CM	TAL BUF
Total/NA	Analysis	8120C		5	R9724	51/5R/51 52:78	6 TL	TAL BUF
Total/NA	Prep	3770B			R9593	51/52/51 51:53	CM	TAL BUF
Total/NA	Analysis	8057B		5	R9453	51/58/51 10:30	CD	TAL BUF
Total/NA	Analysis	MoistHre		5	R947R	51/58/51 58:31	MD	TAL BUF

Laboratory References:

TAL BUF = TestAmerica BHffalo, 50 6 azelwood Drive, Amherst, NY 54118-11R8, TEL (259)9R5-1900

Certification Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30173-5

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	9	88-0989	06-09-53
California	NELAP	u	559uCA	0u-30-53
ConnecticHt	State Program	5	PF-0798	0u-30-54
2lorida	NELAP	4	E86961	09-30-53
Georgia	State Program	4	N/A	03-35-53
Georgia	State Program	4	u79	09-30-53
Georgia	State Program	4	u79	09-30-53
Illinois	NELAP	7	100003	0u-30-53
Iowa	State Program	6	364	03-05-53
Kansas	NELAP	6	E-50586	05-35-53
KentHcky	State Program	4	u001u	51-35-51
KentHcky (UST)	State Program	4	30	04-05-53
LoHsiana	NELAP	9	01035	09-30-53
Maine	State Program	5	NY00044	51-04-53
Maryland	State Program	3	1u4	03-35-53
MassachHsetts	State Program	5	M-NY044	09-30-53
Michigan	State Program	7	uu36	04-05-53
Minnesota	NELAP	7	039-uuu-336	51-35-51
New Fampshire	NELAP	5	1u63	0u-55-53
New Fampshire	NELAP	5	1336	55-56-53
New Jersey	NELAP	1	NY477	09-30-53
New York	NELAP	1	50019	03-35-53
North Dakota	State Program	8	R-569	03-35-53
Oklahoma	State Program	9	u415	08-35-53
Oregon	NELAP	50	NY100003	09-0u-53
Pennsylvania	NELAP	3	98-00185	06-35-53
Rhode Island	State Program	5	LAO00318	51-35-53
Tennessee	State Program	4	TN01u60	04-05-53
Texas	NELAP	9	T504604451-55-1	06-35-53
USDA	2ederal		P330-55-00389	55-11-54
Virginia	NELAP	3	490587	0u-54-53
Washington	State Program	50	C684	01-50-53
West Virginia DEP	State Program	3	171	0u-30-53
Wisconsin	State Program	7	uu83503u0	08-35-53

Method Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30173-5

Method	Method Description	Protocol	Laboratory
8120C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8057B	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
8081	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 5986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 50 Hazelwood Drive, Amherst, NY 54118-1198, TEL (256)695-1600

Sample Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-30253-1	PH-74 7'	Solid	12/13/12 13:00	12/14/12 08:00
480-30253-2	PH-75 7'	Solid	12/13/12 13:30	12/14/12 08:00
480-30253-3	PH-76 6'	Solid	12/13/12 13:50	12/14/12 08:00
480-30253-4	PH-77 6'	Solid	12/13/12 15:30	12/14/12 08:00
480-30253-5	PH-78 4.5'	Solid	12/13/12 16:20	12/14/12 08:00

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Shannon McDonald	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-30101-7908.5
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 5 of 5
Company: TTL, Inc.				Job #:
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #: 4000012024			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	8015B_DRO - (MOD) Diesel Range and Oil Range Organic	6010B, 7471A	8082 - TCL PCBs - OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N		
PH-74 7'	12/13/12	1:00p	G	Solid				X	X				
PH-75 7'	12/13/12	1:30p	G	Solid				X	X				
PH-76 6'	12/13/12	1:50p	G	Solid				X	X		X		
PH-77 6'	12/13/12	3:30	G	Solid				X	X				
PH-78 4.5'	12/13/12	4:20	G	Solid				X	X				
				Solid									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	12/13/12, 17:40		R English	12-13-12, 17:40	SYR
R English	12-13-12, 19:00	SYR			

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-30253-1

Login Number: 30253
List Number: 1
Creator: Robitaille, Zach L

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TTL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-30253-2
Client Project/Site: Magna

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Authorized for release by:
12/26/2012 11:29:37 AM
Lisa Shaffer
Project Manager I
lisa.shaffer@testamericainc.com

Designee for

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-30253-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-30253-2

Comments
No additional comments.

Receipt
The samples were received on 12/14/2012 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS Semi VOA
Method(s) 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: PH-71 (480-30253-6), PH-72 (480-30253-7), PH-73 (480-30253-8). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: A significant amount of sediment was present in the following samples: PH-71 (480-30253-6), PH-72 (480-30253-7), PH-73 (480-30253-8). These samples were decanted prior to preparation.

Method(s) 3510C: Due to the matrix, the initial volume used for the following sample deviated from the standard procedure: PH-72 (480-30253-7). The reporting limits (RLs) have been adjusted proportionately.

No other analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Client Sample ID: PH-71 — Lab Sample ID: 480-30253-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	5.2	J	5.9	2.1	ug/L	1		8270C	Total/NA

Client Sample ID: PH-72 — Lab Sample ID: 480-30253-7

No Detections

Client Sample ID: PH-73 — Lab Sample ID: 480-30253-8

No Detections

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Client Sample ID: PH-71
Date Collected: 12/13/12 16:30
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-6
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.9	U	5.9	0.77	ug/L		12/18/12 06:37	12/19/12 17:42	1
bis (2-chloroisopropyl) ether	5.9	U	5.9	0.61	ug/L		12/18/12 06:37	12/19/12 17:42	1
2,4,5-Trichlorophenol	5.9	U	5.9	0.57	ug/L		12/18/12 06:37	12/19/12 17:42	1
2,4,6-Trichlorophenol	5.9	U	5.9	0.72	ug/L		12/18/12 06:37	12/19/12 17:42	1
2,4-Dichlorophenol	5.9	U	5.9	0.60	ug/L		12/18/12 06:37	12/19/12 17:42	1
2,4-Dimethylphenol	5.9	U	5.9	0.59	ug/L		12/18/12 06:37	12/19/12 17:42	1
2,4-Dinitrophenol	12	U	12	2.6	ug/L		12/18/12 06:37	12/19/12 17:42	1
2,4-Dinitrotoluene	5.9	U	5.9	0.53	ug/L		12/18/12 06:37	12/19/12 17:42	1
2,6-Dinitrotoluene	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 17:42	1
2-Chloronaphthalene	5.9	U	5.9	0.54	ug/L		12/18/12 06:37	12/19/12 17:42	1
2-Chlorophenol	5.9	U	5.9	0.63	ug/L		12/18/12 06:37	12/19/12 17:42	1
2-Methylnaphthalene	5.9	U	5.9	0.71	ug/L		12/18/12 06:37	12/19/12 17:42	1
2-Methylphenol	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 17:42	1
2-Nitroaniline	12	U	12	0.50	ug/L		12/18/12 06:37	12/19/12 17:42	1
2-Nitrophenol	5.9	U	5.9	0.57	ug/L		12/18/12 06:37	12/19/12 17:42	1
3,3'-Dichlorobenzidine	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 17:42	1
3-Nitroaniline	12	U	12	0.57	ug/L		12/18/12 06:37	12/19/12 17:42	1
4,6-Dinitro-2-methylphenol	12	U	12	2.6	ug/L		12/18/12 06:37	12/19/12 17:42	1
4-Bromophenyl phenyl ether	5.9	U	5.9	0.53	ug/L		12/18/12 06:37	12/19/12 17:42	1
4-Chloro-3-methylphenol	5.9	U	5.9	0.53	ug/L		12/18/12 06:37	12/19/12 17:42	1
4-Chloroaniline	5.9	U	5.9	0.70	ug/L		12/18/12 06:37	12/19/12 17:42	1
4-Chlorophenyl phenyl ether	5.9	U	5.9	0.41	ug/L		12/18/12 06:37	12/19/12 17:42	1
4-Methylphenol	12	U	12	0.42	ug/L		12/18/12 06:37	12/19/12 17:42	1
4-Nitroaniline	12	U	12	0.30	ug/L		12/18/12 06:37	12/19/12 17:42	1
4-Nitrophenol	12	U	12	1.8	ug/L		12/18/12 06:37	12/19/12 17:42	1
Acenaphthene	5.9	U	5.9	0.48	ug/L		12/18/12 06:37	12/19/12 17:42	1
Acenaphthylene	5.9	U	5.9	0.45	ug/L		12/18/12 06:37	12/19/12 17:42	1
Acetophenone	5.9	U	5.9	0.64	ug/L		12/18/12 06:37	12/19/12 17:42	1
Anthracene	5.9	U	5.9	0.33	ug/L		12/18/12 06:37	12/19/12 17:42	1
Atrazine	5.9	U	5.9	0.54	ug/L		12/18/12 06:37	12/19/12 17:42	1
Benzaldehyde	5.9	U	5.9	0.32	ug/L		12/18/12 06:37	12/19/12 17:42	1
Benzo(a)anthracene	5.9	U	5.9	0.42	ug/L		12/18/12 06:37	12/19/12 17:42	1
Benzo(a)pyrene	5.9	U	5.9	0.55	ug/L		12/18/12 06:37	12/19/12 17:42	1
Benzo(b)fluoranthene	5.9	U	5.9	0.40	ug/L		12/18/12 06:37	12/19/12 17:42	1
Benzo(g,h,i)perylene	5.9	U	5.9	0.41	ug/L		12/18/12 06:37	12/19/12 17:42	1
Benzo(k)fluoranthene	5.9	U	5.9	0.86	ug/L		12/18/12 06:37	12/19/12 17:42	1
Bis(2-chloroethoxy)methane	5.9	U	5.9	0.41	ug/L		12/18/12 06:37	12/19/12 17:42	1
Bis(2-chloroethyl)ether	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 17:42	1
Bis(2-ethylhexyl) phthalate	**5.2**	**J**	5.9	2.1	ug/L		12/18/12 06:37	12/19/12 17:42	1
Butyl benzyl phthalate	5.9	U	5.9	0.50	ug/L		12/18/12 06:37	12/19/12 17:42	1
Caprolactam	5.9	U	5.9	2.6	ug/L		12/18/12 06:37	12/19/12 17:42	1
Carbazole	5.9	U	5.9	0.35	ug/L		12/18/12 06:37	12/19/12 17:42	1
Chrysene	5.9	U	5.9	0.39	ug/L		12/18/12 06:37	12/19/12 17:42	1
Di-n-butyl phthalate	5.9	U	5.9	0.37	ug/L		12/18/12 06:37	12/19/12 17:42	1
Di-n-octyl phthalate	5.9	U	5.9	0.55	ug/L		12/18/12 06:37	12/19/12 17:42	1
Dibenz(a,h)anthracene	5.9	U	5.9	0.50	ug/L		12/18/12 06:37	12/19/12 17:42	1
Dibenzofuran	12	U	12	0.60	ug/L		12/18/12 06:37	12/19/12 17:42	1
Diethyl phthalate	5.9	U	5.9	0.26	ug/L		12/18/12 06:37	12/19/12 17:42	1
Dimethyl phthalate	5.9	U	5.9	0.42	ug/L		12/18/12 06:37	12/19/12 17:42	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Client Sample ID: PH-71
Date Collected: 12/13/12 16:30
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-6
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 17:42	1
Fluorene	5.9	U	5.9	0.42	ug/L		12/18/12 06:37	12/19/12 17:42	1
Hexachlorobenzene	5.9	U	5.9	0.60	ug/L		12/18/12 06:37	12/19/12 17:42	1
Hexachlorobutadiene	5.9	U	5.9	0.80	ug/L		12/18/12 06:37	12/19/12 17:42	1
Hexachlorocyclopentadiene	5.9	U	5.9	0.70	ug/L		12/18/12 06:37	12/19/12 17:42	1
Hexachloroethane	5.9	U	5.9	0.70	ug/L		12/18/12 06:37	12/19/12 17:42	1
Indeno(1,2,3-cd)pyrene	5.9	U	5.9	0.55	ug/L		12/18/12 06:37	12/19/12 17:42	1
Isophorone	5.9	U	5.9	0.51	ug/L		12/18/12 06:37	12/19/12 17:42	1
N-Nitrosodi-n-propylamine	5.9	U	5.9	0.64	ug/L		12/18/12 06:37	12/19/12 17:42	1
N-Nitrosodiphenylamine	5.9	U	5.9	0.60	ug/L		12/18/12 06:37	12/19/12 17:42	1
Naphthalene	5.9	U	5.9	0.90	ug/L		12/18/12 06:37	12/19/12 17:42	1
Nitrobenzene	5.9	U	5.9	0.34	ug/L		12/18/12 06:37	12/19/12 17:42	1
Pentachlorophenol	12	U	12	2.6	ug/L		12/18/12 06:37	12/19/12 17:42	1
Phenanthrene	5.9	U	5.9	0.52	ug/L		12/18/12 06:37	12/19/12 17:42	1
Phenol	5.9	U	5.9	0.46	ug/L		12/18/12 06:37	12/19/12 17:42	1
Pyrene	5.9	U	5.9	0.40	ug/L		12/18/12 06:37	12/19/12 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*104*		*52 - 132*	*12/18/12 06:37*	*12/19/12 17:42*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*12/18/12 06:37*	*12/19/12 17:42*	*1*
2-Fluorophenol	*43*		*20 - 120*	*12/18/12 06:37*	*12/19/12 17:42*	*1*
Nitrobenzene-d5	*83*		*46 - 120*	*12/18/12 06:37*	*12/19/12 17:42*	*1*
p-Terphenyl-d14	*52*	*X*	*67 - 150*	*12/18/12 06:37*	*12/19/12 17:42*	*1*
Phenol-d5	*33*		*16 - 120*	*12/18/12 06:37*	*12/19/12 17:42*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Client Sample ID: PH-72
Date Collected: 12/13/12 10:30
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-7
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	6.8	U	6.8	0.89	ug/L		12/18/12 06:37	12/19/12 18:06	1
bis (2-chloroisopropyl) ether	6.8	U	6.8	0.71	ug/L		12/18/12 06:37	12/19/12 18:06	1
2,4,5-Trichlorophenol	6.8	U	6.8	0.65	ug/L		12/18/12 06:37	12/19/12 18:06	1
2,4,6-Trichlorophenol	6.8	U	6.8	0.83	ug/L		12/18/12 06:37	12/19/12 18:06	1
2,4-Dichlorophenol	6.8	U	6.8	0.69	ug/L		12/18/12 06:37	12/19/12 18:06	1
2,4-Dimethylphenol	6.8	U	6.8	0.68	ug/L		12/18/12 06:37	12/19/12 18:06	1
2,4-Dinitrophenol	14	U	14	3.0	ug/L		12/18/12 06:37	12/19/12 18:06	1
2,4-Dinitrotoluene	6.8	U	6.8	0.61	ug/L		12/18/12 06:37	12/19/12 18:06	1
2,6-Dinitrotoluene	6.8	U	6.8	0.54	ug/L		12/18/12 06:37	12/19/12 18:06	1
2-Chloronaphthalene	6.8	U	6.8	0.63	ug/L		12/18/12 06:37	12/19/12 18:06	1
2-Chlorophenol	6.8	U	6.8	0.72	ug/L		12/18/12 06:37	12/19/12 18:06	1
2-Methylnaphthalene	6.8	U	6.8	0.82	ug/L		12/18/12 06:37	12/19/12 18:06	1
2-Methylphenol	6.8	U	6.8	0.54	ug/L		12/18/12 06:37	12/19/12 18:06	1
2-Nitroaniline	14	U	14	0.57	ug/L		12/18/12 06:37	12/19/12 18:06	1
2-Nitrophenol	6.8	U	6.8	0.65	ug/L		12/18/12 06:37	12/19/12 18:06	1
3,3'-Dichlorobenzidine	6.8	U	6.8	0.54	ug/L		12/18/12 06:37	12/19/12 18:06	1
3-Nitroaniline	14	U	14	0.65	ug/L		12/18/12 06:37	12/19/12 18:06	1
4,6-Dinitro-2-methylphenol	14	U	14	3.0	ug/L		12/18/12 06:37	12/19/12 18:06	1
4-Bromophenyl phenyl ether	6.8	U	6.8	0.61	ug/L		12/18/12 06:37	12/19/12 18:06	1
4-Chloro-3-methylphenol	6.8	U	6.8	0.61	ug/L		12/18/12 06:37	12/19/12 18:06	1
4-Chloroaniline	6.8	U	6.8	0.80	ug/L		12/18/12 06:37	12/19/12 18:06	1
4-Chlorophenyl phenyl ether	6.8	U	6.8	0.48	ug/L		12/18/12 06:37	12/19/12 18:06	1
4-Methylphenol	14	U	14	0.49	ug/L		12/18/12 06:37	12/19/12 18:06	1
4-Nitroaniline	14	U	14	0.34	ug/L		12/18/12 06:37	12/19/12 18:06	1
4-Nitrophenol	14	U	14	2.1	ug/L		12/18/12 06:37	12/19/12 18:06	1
Acenaphthene	6.8	U	6.8	0.56	ug/L		12/18/12 06:37	12/19/12 18:06	1
Acenaphthylene	6.8	U	6.8	0.52	ug/L		12/18/12 06:37	12/19/12 18:06	1
Acetophenone	6.8	U	6.8	0.73	ug/L		12/18/12 06:37	12/19/12 18:06	1
Anthracene	6.8	U	6.8	0.38	ug/L		12/18/12 06:37	12/19/12 18:06	1
Atrazine	6.8	U	6.8	0.63	ug/L		12/18/12 06:37	12/19/12 18:06	1
Benzaldehyde	6.8	U	6.8	0.36	ug/L		12/18/12 06:37	12/19/12 18:06	1
Benzo(a)anthracene	6.8	U	6.8	0.49	ug/L		12/18/12 06:37	12/19/12 18:06	1
Benzo(a)pyrene	6.8	U	6.8	0.64	ug/L		12/18/12 06:37	12/19/12 18:06	1
Benzo(b)fluoranthene	6.8	U	6.8	0.46	ug/L		12/18/12 06:37	12/19/12 18:06	1
Benzo(g,h,i)perylene	6.8	U	6.8	0.48	ug/L		12/18/12 06:37	12/19/12 18:06	1
Benzo(k)fluoranthene	6.8	U	6.8	0.99	ug/L		12/18/12 06:37	12/19/12 18:06	1
Bis(2-chloroethoxy)methane	6.8	U	6.8	0.48	ug/L		12/18/12 06:37	12/19/12 18:06	1
Bis(2-chloroethyl)ether	6.8	U	6.8	0.54	ug/L		12/18/12 06:37	12/19/12 18:06	1
Bis(2-ethylhexyl) phthalate	6.8	U	6.8	2.4	ug/L		12/18/12 06:37	12/19/12 18:06	1
Butyl benzyl phthalate	6.8	U	6.8	0.57	ug/L		12/18/12 06:37	12/19/12 18:06	1
Caprolactam	6.8	U	6.8	3.0	ug/L		12/18/12 06:37	12/19/12 18:06	1
Carbazole	6.8	U	6.8	0.41	ug/L		12/18/12 06:37	12/19/12 18:06	1
Chrysene	6.8	U	6.8	0.45	ug/L		12/18/12 06:37	12/19/12 18:06	1
Di-n-butyl phthalate	6.8	U	6.8	0.42	ug/L		12/18/12 06:37	12/19/12 18:06	1
Di-n-octyl phthalate	6.8	U	6.8	0.64	ug/L		12/18/12 06:37	12/19/12 18:06	1
Dibenz(a,h)anthracene	6.8	U	6.8	0.57	ug/L		12/18/12 06:37	12/19/12 18:06	1
Dibenzofuran	14	U	14	0.69	ug/L		12/18/12 06:37	12/19/12 18:06	1
Diethyl phthalate	6.8	U	6.8	0.30	ug/L		12/18/12 06:37	12/19/12 18:06	1
Dimethyl phthalate	6.8	U	6.8	0.49	ug/L		12/18/12 06:37	12/19/12 18:06	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Client Sample ID: PH-72
Date Collected: 12/13/12 10:30
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-7
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	6.8	U	6.8	0.54	ug/L		12/18/12 06:37	12/19/12 18:06	1
Fluorene	6.8	U	6.8	0.49	ug/L		12/18/12 06:37	12/19/12 18:06	1
Hexachlorobenzene	6.8	U	6.8	0.69	ug/L		12/18/12 06:37	12/19/12 18:06	1
Hexachlorobutadiene	6.8	U	6.8	0.92	ug/L		12/18/12 06:37	12/19/12 18:06	1
Hexachlorocyclopentadiene	6.8	U	6.8	0.80	ug/L		12/18/12 06:37	12/19/12 18:06	1
Hexachloroethane	6.8	U	6.8	0.80	ug/L		12/18/12 06:37	12/19/12 18:06	1
Indeno(1,2,3-cd)pyrene	6.8	U	6.8	0.64	ug/L		12/18/12 06:37	12/19/12 18:06	1
Isophorone	6.8	U	6.8	0.58	ug/L		12/18/12 06:37	12/19/12 18:06	1
N-Nitrosodi-n-propylamine	6.8	U	6.8	0.73	ug/L		12/18/12 06:37	12/19/12 18:06	1
N-Nitrosodiphenylamine	6.8	U	6.8	0.69	ug/L		12/18/12 06:37	12/19/12 18:06	1
Naphthalene	6.8	U	6.8	1.0	ug/L		12/18/12 06:37	12/19/12 18:06	1
Nitrobenzene	6.8	U	6.8	0.39	ug/L		12/18/12 06:37	12/19/12 18:06	1
Pentachlorophenol	14	U	14	3.0	ug/L		12/18/12 06:37	12/19/12 18:06	1
Phenanthrene	6.8	U	6.8	0.60	ug/L		12/18/12 06:37	12/19/12 18:06	1
Phenol	6.8	U	6.8	0.53	ug/L		12/18/12 06:37	12/19/12 18:06	1
Pyrene	6.8	U	6.8	0.46	ug/L		12/18/12 06:37	12/19/12 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*52 - 132*	*12/18/12 06:37*	*12/19/12 18:06*	*1*
2-Fluorobiphenyl	*77*		*48 - 120*	*12/18/12 06:37*	*12/19/12 18:06*	*1*
2-Fluorophenol	*42*		*20 - 120*	*12/18/12 06:37*	*12/19/12 18:06*	*1*
Nitrobenzene-d5	*70*		*46 - 120*	*12/18/12 06:37*	*12/19/12 18:06*	*1*
p-Terphenyl-d14	*59*	*X*	*67 - 150*	*12/18/12 06:37*	*12/19/12 18:06*	*1*
Phenol-d5	*35*		*16 - 120*	*12/18/12 06:37*	*12/19/12 18:06*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Client Sample ID: PH-73
Date Collected: 12/13/12 17:00
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-8
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.9	U	5.9	0.77	ug/L		12/18/12 06:37	12/19/12 18:30	1
bis (2-chloroisopropyl) ether	5.9	U	5.9	0.61	ug/L		12/18/12 06:37	12/19/12 18:30	1
2,4,5-Trichlorophenol	5.9	U	5.9	0.56	ug/L		12/18/12 06:37	12/19/12 18:30	1
2,4,6-Trichlorophenol	5.9	U	5.9	0.72	ug/L		12/18/12 06:37	12/19/12 18:30	1
2,4-Dichlorophenol	5.9	U	5.9	0.60	ug/L		12/18/12 06:37	12/19/12 18:30	1
2,4-Dimethylphenol	5.9	U	5.9	0.59	ug/L		12/18/12 06:37	12/19/12 18:30	1
2,4-Dinitrophenol	12	U	12	2.6	ug/L		12/18/12 06:37	12/19/12 18:30	1
2,4-Dinitrotoluene	5.9	U	5.9	0.53	ug/L		12/18/12 06:37	12/19/12 18:30	1
2,6-Dinitrotoluene	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 18:30	1
2-Chloronaphthalene	5.9	U	5.9	0.54	ug/L		12/18/12 06:37	12/19/12 18:30	1
2-Chlorophenol	5.9	U	5.9	0.62	ug/L		12/18/12 06:37	12/19/12 18:30	1
2-Methylnaphthalene	5.9	U	5.9	0.71	ug/L		12/18/12 06:37	12/19/12 18:30	1
2-Methylphenol	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 18:30	1
2-Nitroaniline	12	U	12	0.49	ug/L		12/18/12 06:37	12/19/12 18:30	1
2-Nitrophenol	5.9	U	5.9	0.56	ug/L		12/18/12 06:37	12/19/12 18:30	1
3,3'-Dichlorobenzidine	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 18:30	1
3-Nitroaniline	12	U	12	0.56	ug/L		12/18/12 06:37	12/19/12 18:30	1
4,6-Dinitro-2-methylphenol	12	U	12	2.6	ug/L		12/18/12 06:37	12/19/12 18:30	1
4-Bromophenyl phenyl ether	5.9	U	5.9	0.53	ug/L		12/18/12 06:37	12/19/12 18:30	1
4-Chloro-3-methylphenol	5.9	U	5.9	0.53	ug/L		12/18/12 06:37	12/19/12 18:30	1
4-Chloroaniline	5.9	U	5.9	0.69	ug/L		12/18/12 06:37	12/19/12 18:30	1
4-Chlorophenyl phenyl ether	5.9	U	5.9	0.41	ug/L		12/18/12 06:37	12/19/12 18:30	1
4-Methylphenol	12	U	12	0.42	ug/L		12/18/12 06:37	12/19/12 18:30	1
4-Nitroaniline	12	U	12	0.29	ug/L		12/18/12 06:37	12/19/12 18:30	1
4-Nitrophenol	12	U	12	1.8	ug/L		12/18/12 06:37	12/19/12 18:30	1
Acenaphthene	5.9	U	5.9	0.48	ug/L		12/18/12 06:37	12/19/12 18:30	1
Acenaphthylene	5.9	U	5.9	0.45	ug/L		12/18/12 06:37	12/19/12 18:30	1
Acetophenone	5.9	U	5.9	0.63	ug/L		12/18/12 06:37	12/19/12 18:30	1
Anthracene	5.9	U	5.9	0.33	ug/L		12/18/12 06:37	12/19/12 18:30	1
Atrazine	5.9	U	5.9	0.54	ug/L		12/18/12 06:37	12/19/12 18:30	1
Benzaldehyde	5.9	U	5.9	0.31	ug/L		12/18/12 06:37	12/19/12 18:30	1
Benzo(a)anthracene	5.9	U	5.9	0.42	ug/L		12/18/12 06:37	12/19/12 18:30	1
Benzo(a)pyrene	5.9	U	5.9	0.55	ug/L		12/18/12 06:37	12/19/12 18:30	1
Benzo(b)fluoranthene	5.9	U	5.9	0.40	ug/L		12/18/12 06:37	12/19/12 18:30	1
Benzo(g,h,i)perylene	5.9	U	5.9	0.41	ug/L		12/18/12 06:37	12/19/12 18:30	1
Benzo(k)fluoranthene	5.9	U	5.9	0.86	ug/L		12/18/12 06:37	12/19/12 18:30	1
Bis(2-chloroethoxy)methane	5.9	U	5.9	0.41	ug/L		12/18/12 06:37	12/19/12 18:30	1
Bis(2-chloroethyl)ether	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 18:30	1
Bis(2-ethylhexyl) phthalate	5.9	U	5.9	2.1	ug/L		12/18/12 06:37	12/19/12 18:30	1
Butyl benzyl phthalate	5.9	U	5.9	0.49	ug/L		12/18/12 06:37	12/19/12 18:30	1
Caprolactam	5.9	U	5.9	2.6	ug/L		12/18/12 06:37	12/19/12 18:30	1
Carbazole	5.9	U	5.9	0.35	ug/L		12/18/12 06:37	12/19/12 18:30	1
Chrysene	5.9	U	5.9	0.39	ug/L		12/18/12 06:37	12/19/12 18:30	1
Di-n-butyl phthalate	5.9	U	5.9	0.36	ug/L		12/18/12 06:37	12/19/12 18:30	1
Di-n-octyl phthalate	5.9	U	5.9	0.55	ug/L		12/18/12 06:37	12/19/12 18:30	1
Dibenz(a,h)anthracene	5.9	U	5.9	0.49	ug/L		12/18/12 06:37	12/19/12 18:30	1
Dibenzofuran	12	U	12	0.60	ug/L		12/18/12 06:37	12/19/12 18:30	1
Diethyl phthalate	5.9	U	5.9	0.26	ug/L		12/18/12 06:37	12/19/12 18:30	1
Dimethyl phthalate	5.9	U	5.9	0.42	ug/L		12/18/12 06:37	12/19/12 18:30	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Client Sample ID: PH-73
Date Collected: 12/13/12 17:00
Date Received: 12/14/12 08:00

Lab Sample ID: 480-30253-8
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	5.9	U	5.9	0.47	ug/L		12/18/12 06:37	12/19/12 18:30	1
Fluorene	5.9	U	5.9	0.42	ug/L		12/18/12 06:37	12/19/12 18:30	1
Hexachlorobenzene	5.9	U	5.9	0.60	ug/L		12/18/12 06:37	12/19/12 18:30	1
Hexachlorobutadiene	5.9	U	5.9	0.80	ug/L		12/18/12 06:37	12/19/12 18:30	1
Hexachlorocyclopentadiene	5.9	U	5.9	0.69	ug/L		12/18/12 06:37	12/19/12 18:30	1
Hexachloroethane	5.9	U	5.9	0.69	ug/L		12/18/12 06:37	12/19/12 18:30	1
Indeno(1,2,3-cd)pyrene	5.9	U	5.9	0.55	ug/L		12/18/12 06:37	12/19/12 18:30	1
Isophorone	5.9	U	5.9	0.51	ug/L		12/18/12 06:37	12/19/12 18:30	1
N-Nitrosodi-n-propylamine	5.9	U	5.9	0.63	ug/L		12/18/12 06:37	12/19/12 18:30	1
N-Nitrosodiphenylamine	5.9	U	5.9	0.60	ug/L		12/18/12 06:37	12/19/12 18:30	1
Naphthalene	5.9	U	5.9	0.89	ug/L		12/18/12 06:37	12/19/12 18:30	1
Nitrobenzene	5.9	U	5.9	0.34	ug/L		12/18/12 06:37	12/19/12 18:30	1
Pentachlorophenol	12	U	12	2.6	ug/L		12/18/12 06:37	12/19/12 18:30	1
Phenanthrene	5.9	U	5.9	0.52	ug/L		12/18/12 06:37	12/19/12 18:30	1
Phenol	5.9	U	5.9	0.46	ug/L		12/18/12 06:37	12/19/12 18:30	1
Pyrene	5.9	U	5.9	0.40	ug/L		12/18/12 06:37	12/19/12 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*52 - 132*	*12/18/12 06:37*	*12/19/12 18:30*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*12/18/12 06:37*	*12/19/12 18:30*	*1*
2-Fluorophenol	*44*		*20 - 120*	*12/18/12 06:37*	*12/19/12 18:30*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*12/18/12 06:37*	*12/19/12 18:30*	*1*
p-Terphenyl-d14	*59*	*X*	*67 - 150*	*12/18/12 06:37*	*12/19/12 18:30*	*1*
Phenol-d5	*34*		*16 - 120*	*12/18/12 06:37*	*12/19/12 18:30*	*1*

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(52-132)	(48-120)	(20-120)	(46-120)	(67-150)	(16-120)
480-30253-6	PH-71	104	90	43	83	52 X	33
480-30253-7	PH-72	98	77	42	70	59 X	35
480-30253-8	PH-73	105	86	44	80	59 X	34
LCS 480-96291/2-A	Lab Control Sample	114	93	45	87	100	33
LCSD 480-96291/3-A	Lab Control Sample Dup	109	90	43	81	94	32
MB 480-96291/1-A	Method Blank	108	88	45	83	97	33

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-96291/1-A
Matrix: Water
Analysis Batch: 96550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.0	9	5.0	0.U5	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
bis (2-chloroisopropyl) ether	5.0	9	5.0	0.52	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2,4,5-Trichlorophenol	5.0	9	5.0	0.48	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2,4,U-Trichlorophenol	5.0	9	5.0	0.Uu	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2,4-Dichlorophenol	5.0	9	5.0	0.5u	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2,4-Dimethylphenol	5.0	9	5.0	0.50	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2,4-Dinitrophenol	u0	9	u0	2.2	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2,4-Dinitrotol7ene	5.0	9	5.0	0.45	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2,U-Dinitrotol7ene	5.0	9	5.0	0.40	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2-Chloronaphthalene	5.0	9	5.0	0.4U	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2-Chlorophenol	5.0	9	5.0	0.53	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2-Methylnaphthalene	5.0	9	5.0	0.U0	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2-Methylphenol	5.0	9	5.0	0.40	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2-Nitroaniline	u0	9	u0	0.42	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
2-Nitrophenol	5.0	9	5.0	0.48	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
3,3'-Dichlorobenzidine	5.0	9	5.0	0.40	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
3-Nitroaniline	u0	9	u0	0.48	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
4,U-Dinitro-2-methylphenol	u0	9	u0	2.2	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
4-Bromophenyl phenyl ether	5.0	9	5.0	0.45	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
4-Chloro-3-methylphenol	5.0	9	5.0	0.45	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
4-Chloroaniline	5.0	9	5.0	0.56	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
4-Chlorophenyl phenyl ether	5.0	9	5.0	0.35	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
4-Methylphenol	u0	9	u0	0.3U	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
4-Nitroaniline	u0	9	u0	0.25	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
4-Nitrophenol	u0	9	u0	u.5	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Acenaphthene	5.0	9	5.0	0.4u	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Acenaphthylene	5.0	9	5.0	0.38	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Acetophenone	5.0	9	5.0	0.54	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Anthracene	5.0	9	5.0	0.28	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Atrazine	5.0	9	5.0	0.4U	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Benzaldehyde	5.0	9	5.0	0.21	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Benzo(a)anthracene	5.0	9	5.0	0.3U	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Benzo(a)pyrene	5.0	9	5.0	0.41	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Benzo(b)fl7oranthene	5.0	9	5.0	0.34	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Benzo(g,h,i)perylene	5.0	9	5.0	0.35	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Benzo(k)fl7oranthene	5.0	9	5.0	0.13	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Bis(2-chloroethoxy)methane	5.0	9	5.0	0.35	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Bis(2-chloroethyl)ether	5.0	9	5.0	0.40	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Bis(2-ethylhexyl) phthalate	5.0	9	5.0	u.8	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
B7tyl benzyl phthalate	5.0	9	5.0	0.42	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Caprolactam	5.0	9	5.0	2.2	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Carbazole	5.0	9	5.0	0.30	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Chrysene	5.0	9	5.0	0.33	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Di-n-b7tyl phthalate	5.0	9	5.0	0.3u	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Di-n-octyl phthalate	5.0	9	5.0	0.41	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Dibenz(a,h)anthracene	5.0	9	5.0	0.42	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Dibenzof7ran	u0	9	u0	0.5u	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Diethyl phthalate	5.0	9	5.0	0.22	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-96291/1-A
Matrix: Water
Analysis Batch: 96550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	5.0	9	5.0	0.3U	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Fl7oranthene	5.0	9	5.0	0.40	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Fl7orene	5.0	9	5.0	0.3U	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Hexachlorobenzene	5.0	9	5.0	0.5u	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Hexachlorob7tadiene	5.0	9	5.0	0.U8	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Hexachlorocyclopentadiene	5.0	9	5.0	0.56	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Hexachloroethane	5.0	9	5.0	0.56	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Indeno(u,2,3-cd)pyrene	5.0	9	5.0	0.41	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Isophorone	5.0	9	5.0	0.43	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
N-Nitrosodi-n-propylamine	5.0	9	5.0	0.54	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
N-Nitrosodiphenylamine	5.0	9	5.0	0.5u	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Naphthalene	5.0	9	5.0	0.1U	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Nitrobenzene	5.0	9	5.0	0.26	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Pentachlorophenol	u0	9	u0	2.2	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Phenanthrene	5.0	9	5.0	0.44	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Phenol	5.0	9	5.0	0.36	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u
Pyrene	5.0	9	5.0	0.34	7g/L		u2/u8/u2 0U:31	u2/u6/u2 u0:06	u

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*52 - 132*	*12/18/12 06:37*	*12/19/12 10:09*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*12/18/12 06:37*	*12/19/12 10:09*	*1*
2-Fluorophenol	*45*		*20 - 120*	*12/18/12 06:37*	*12/19/12 10:09*	*1*
Nitrobenzene-d5	*83*		*46 - 120*	*12/18/12 06:37*	*12/19/12 10:09*	*1*
p-Terphenyl-d14	*97*		*67 - 150*	*12/18/12 06:37*	*12/19/12 10:09*	*1*
Phenol-d5	*33*		*16 - 120*	*12/18/12 06:37*	*12/19/12 10:09*	*1*

Lab Sample ID: LCS 480-96291/2-A
Matrix: Water
Analysis Batch: 96550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotol7ene	u00	u04		7g/L		u04	U5 - u54
2-Chlorophenol	u00	1U.0		7g/L		1U	48 - u20
4-Chloro-3-methylphenol	u00	61.4		7g/L		61	U4 - u20
4-Nitrophenol	u00	5u.U		7g/L		52	uU - u20
Acenaphthene	u00	65.1		7g/L		6U	U0 - u20
Bis(2-ethylhexyl) phthalate	u00	u02		7g/L		u02	53 - u58
Fl7orene	u00	u05		7g/L		u05	55 - u43
Hexachloroethane	u00	U3.U		7g/L		U4	u4 - u0u
N-Nitrosodi-n-propylamine	u00	82.4		7g/L		82	5U - u20
Pentachlorophenol	u00	u24		7g/L		u24	36 - u3U
Phenol	u00	36.0		7g/L		36	u1 - u20
Pyrene	u00	u0u		7g/L		u0u	58 - u3U

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*114*		*52 - 132*
2-Fluorobiphenyl	*93*		*48 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-96291/2-A
Matrix: Water
Analysis Batch: 96550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96291

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol	*45*		*20 - 120*
Nitrobenzene-d5	*87*		*46 - 120*
p-Terphenyl-d14	*100*		*67 - 150*
Phenol-d5	*33*		*16 - 120*

Lab Sample ID: LCSD 480-96291/3-A
Matrix: Water
Analysis Batch: 96550

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96291

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotol7ene	u00	u0u		7g/L		u0u	U5 - u54	3	20
2-Chlorophenol	u00	1u.6		7g/L		12	48 - u20	U	25
4-Chloro-3-methylphenol	u00	62.1		7g/L		63	U4 - u20	5	21
4-Nitrophenol	u00	50.4		7g/L		50	uU - u20	2	48
Acenaphthene	u00	63.0		7g/L		63	U0 - u20	3	24
Bis(2-ethylhexyl) phthalate	u00	68.U		7g/L		66	53 - u58	4	u5
Fl7orene	u00	u02		7g/L		u02	55 - u43	4	u5
Hexachloroethane	u00	58.1		7g/L		56	u4 - u0u	8	4U
N-Nitrosodi-n-propylamine	u00	16.u		7g/L		16	5U - u20	4	3u
Pentachlorophenol	u00	u2u		7g/L		u2u	36 - u3U	3	31
Phenol	u00	38.4		7g/L		38	u1 - u20	2	34
Pyrene	u00	65.5		7g/L		6U	58 - u3U	5	u6

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*109*		*52 - 132*
2-Fluorobiphenyl	*90*		*48 - 120*
2-Fluorophenol	*43*		*20 - 120*
Nitrobenzene-d5	*81*		*46 - 120*
p-Terphenyl-d14	*94*		*67 - 150*
Phenol-d5	*32*		*16 - 120*

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

GC/MS Semi VOA

Prep Batch: 96291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30253-6	PH-71	Total/NA	Water	3510C	
480-30253-7	PH-72	Total/NA	Water	3510C	
480-30253-8	PH-73	Total/NA	Water	3510C	
LCS 480-96291/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-96291/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 480-96291/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 96550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-30253-6	PH-71	Total/NA	Water	8270C	96291
480-30253-7	PH-72	Total/NA	Water	8270C	96291
480-30253-8	PH-73	Total/NA	Water	8270C	96291
LCS 480-96291/2-A	Lab Control Sample	Total/NA	Water	8270C	96291
LCSD 480-96291/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	96291
MB 480-96291/1-A	Method Blank	Total/NA	Water	8270C	96291

Lab Chronicle

Client: TTL, Inc.
5roPectj/ ite: S aMha

TestAmerica Job ID: 480-30173-1

Client Sample ID: PH-71

Lab Sample ID: 480-30253-6

Date Collected: 12/13/12 16:30

Matrix: Water

Date Received: 12/14/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Totaljy A	5reg	37p0C			9B19p	p1jp8jp1 0B:32	TR	TAL UF N
Totaljy A	Anal6sis	8120C		p	9B770	p1jp9jp1 p2:41	AS	TAL UF N

Client Sample ID: PH-72

Lab Sample ID: 480-30253-7

Date Collected: 12/13/12 10:30

Matrix: Water

Date Received: 12/14/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Totaljy A	5reg	37p0C			9B19p	p1jp8jp1 0B:32	TR	TAL UF N
Totaljy A	Anal6sis	8120C		p	9B770	p1jp9jp1 p8:0B	AS	TAL UF N

Client Sample ID: PH-73

Lab Sample ID: 480-30253-8

Date Collected: 12/13/12 17:00

Matrix: Water

Date Received: 12/14/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Totaljy A	5reg	37p0C			9B19p	p1jp8jp1 0B:32	TR	TAL UF N
Totaljy A	Anal6sis	8120C		p	9B770	p1jp9jp1 p8:30	AS	TAL UF N

Laboratory References:

TAL UF N H TestAmerica Uuffalo, p0 = azelwood Drive, Amherst, y Y p4118-1198, TEL (2pB)B9p-1B00

Certification Summary

Client: TTL, Inc.
5roPectj/ ite: S aMha

TestAmerica Job ID: 480-30173-1

Laboratory: TestAmerica Buffalo

All certigcations f elh bd tf is laboratord are listeh. y ot all certigcations are aNNicable to tf is reNort.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arpansas Dk E	/ tate 5roMam	6	88-0686	0Q-06-93
Caligornia	y k LA5	u	996uCA	0u-30-93
ConnecticHt	/ tate 5roMam	9	5F-0768	0u-30-94
2loriha	y k LA5	4	k8Q6Q1	06-30-93
GeorMa	/ tate 5roMam	4	y jA	03-39-93
GeorMa	/ tate 5roMam	4	u76	06-30-93
GeorMa	/ tate 5roMam	4	u76	06-30-93
Illinois	y k LA5	7	100003	0u-30-93
Iowa	/ tate 5roMam	Q	3Q4	03-09-93
Kansas	y k LA5	Q	k-9098Q	09-39-93
KentHcpd	/ tate 5roMam	4	u001u	91-39-91
KentHcpd (U/ T)	/ tate 5roMam	4	30	04-09-93
LoHisiana	y k LA5	6	01039	06-30-93
S aine	/ tate 5roMam	9	y Y00044	91-04-93
S ardlanh	/ tate 5roMam	3	1u4	03-39-93
S assacf Hsetts	/ tate 5roMam	9	S-y Y044	06-30-93
S icf iMan	/ tate 5roMam	7	uu3Q	04-09-93
S innesota	y k LA5	7	036-uuu-33Q	91-39-91
y ew F amNsf ire	y k LA5	9	1uQ3	0u-99-93
y ew F amNsf ire	y k LA5	9	133Q	99-9Q-93
y ew Jersed	y k LA5	1	y Y477	06-30-93
y ew Yorp	y k LA5	1	90016	03-39-93
y ortf Dapota	/ tate 5roMam	8	R-9Q6	03-39-93
Oplaf oma	/ tate 5roMam	6	u419	08-39-93
OreMon	y k LA5	90	y Y100003	06-0u-93
5ennsdlvania	y k LA5	3	68-00189	0Q-39-93
Rf ohe Islanh	/ tate 5roMam	9	LAO00318	91-39-93
Tennessee	/ tate 5roMam	4	Ty 01uQ0	04-09-93
Texas	y k LA5	6	T904Q04491-99-1	0Q-39-93
U/ DA	2eheral		5330-99-00386	99-11-94
VirMnia	y k LA5	3	460987	0u-94-93
Wasf inMon	/ tate 5roMam	90	CQ84	01-90-93
West VirMnia Dk 5	/ tate 5roMam	3	171	0u-30-93
Wisconsin	/ tate 5roMam	7	uu83903u0	08-39-93

Method Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30253-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-30253-6	PH-71	Water	12/13/12 16:30	12/14/12 08:00
480-30253-7	PH-72	Water	12/13/12 10:30	12/14/12 08:00
480-30253-8	PH-73	Water	12/13/12 17:00	12/14/12 08:00

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Shannon McDonald	Lab PM: Schove, John	Carrier Tracking No(s):	COC No: 480-30100-7906.2
Client Contact: Ms. Shannon McDonald	Phone: 334-850-1487	E-Mail: john.schove@testamericainc.com		Page: Page 2 of 3
Company: TTL, Inc.				Job #:
Address: 4154 Lomac Street	Due Date Requested:			
City: Montgomery	TAT Requested (days):			
State, Zip: AL, 36106				
Phone: 334-244-0766(Tel)	PO #: Purchase Order Requested			
Email: smcdonald@ttlusa.com	WO #: 6002120 24			
Project Name: TTL, Inc. - Syracuse, NY Sites	Project #: 48006637			
Site: Magna	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - TCL list OLM04.2	8270C - TCL SVOA - OLM04.2	6010B, 7470A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	D		
PH-71	12/13/12	4:30p	G	Water				X		1	
PH-72	12/13/12	10:30a	G	Water				X		2	
PH-73	12/13/12	5:00p	G	Water				X		1	
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Shannon McDonald	12/13/12, 17:40		[illegible]	12-13-12, 17:40	SGR
[illegible]	12-13-12, 19:00	SGR	[illegible]	12/14/12 0800	TAB Buffalo

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.0 #2

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-30253-2

Login Number: 30253

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

Question	Answer	Comment
1 RaioRctiditv eityer h Rwnot meRwurea or, ismeRwurea, iwRt or beloh bRcf krouna	True	
Tye coolergvcuwtoav weRt, is' rewent, iwintRct.	True	
Tye cooler or wRm' lewao not R' ' eRr to yRde been com' romiwea or tRm' erea h ity.	True	
p Rm' lewh ere receidea on ice.	True	
Cooler Tem' erRture iwRcce' tRble.	True	
Cooler Tem' erRture iwrecoraea.	True	
CS C iw' rewent.	True	
CS C iwsillea out in inf Rma lekible.	True	
CS C iwsillea out h ity RIl ' ertinent insormRtion.	True	
Iwtye Ciela p Rm' lergvnRme ' rewent on CS CF	True	
Tyere Rre no aiwcre' Rnciewbeth een tye wRm' le I? won tye contRinerwRna tye CS C.	True	
p Rm' lewRre receidea h ityin Dolaink Time.	True	
p Rm' le contRinerwyRde lekible lRbelw.	True	
ContRinerwRre not brof en or leRf ink.	True	
p Rm' le collection aRteHimewRre ' rodiaea.	True	
/ ' ' ro' riRte wRm' le contRinerwRre uwea.	True	
p Rm' le bottlewRre com' letelv sillea.	True	
p Rm' le ArewerdRtion Perisiea	True	
Tyere iwwussicient dol. sor RIl reVuewtea RnRivwew, incl. Rnv reVuewtea q p Hq p ? w	True	
PS/ wRm' le diRtwao not yRde yeRaw' Rce or bubble iwM<mm 6(H4") in aiRmeter.	NH/	
IsnecewwRnv, wtRssyRde been insormea osRnv wyort yola time or Vuicf T/ T neeaw	True	
q ulti' yRwic wRm' lewRre not ' rewent.	True	
p Rm' lewao not reVuire w' littink or com' owitink.	True	
p Rm' link Com' Rnv ' rodiaea.	True	TTL
p Rm' lewreceidea h ityin 48 yourwoswRm' link.	True	
p Rm' lewreVuirink siela siltrRtion yRde been silterea in tye siela.	NH/	
Cylorine 1 ewiauRt cyecf ea.	NH/	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-30303-1
Client Project/Site: Magna

For:
TTL, Inc.
4154 Lomac Street
Montgomery, Alabama 36106

Attn: Ms. Shannon McDonald

Authorized for release by:
12/30/2012 11:48:18 AM

John Schove
Project Manager I
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS mV O

Qualifier	Qualifier DesAriction
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

GC/MS Sep i mV O

Qualifier	Qualifier DesAriction
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Sep i mV O

Qualifier	Qualifier DesAriction
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier DesAriction
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Obbreviation	These Aop p only used abbreviations p ay or p ay not be cresent in this recort.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-30303-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-30303-1

Comments
No additional comments.

Receipt
The samples were received on 12/15/2012 7:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.6º C and 3.3º C.

GC/MS VOA
Method(s) 8260B: The following samples were composited by the laboratory on 12/21/2012 due to the large amounts of sediment in the sample vials: PH-87 (480-30303-4), PH-88 (480-30303-5).

Method(s) 8260B: The following samples submitted for volatiles analysis were received with insufficient preservation (pH >2): PH-87 (480-30303-4), PH-88 (480-30303-5).

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The continuing calibration verification (CCV) for Benzo(g,h,i)perylene associated with batch 96858 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: PH-83 (480-30303-1), PH-84 (480-30303-2), PH-87 (480-30303-4), PH-88 (480-30303-5). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: A significant amount of sediment was present in the following samples: PH-83 (480-30303-1), PH-84 (480-30303-2), PH-85 (480-30303-3), PH-87 (480-30303-4), PH-88 (480-30303-5). These samples were decanted prior to preparation.

Method(s) 3510C: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 96514. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-83 — Lab Sample ID: 480-30303-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Nitroaniline	12		10	0.26	ug/L	1		8270C	Total/NA

Client Sample ID: PH-84 — Lab Sample ID: 480-30303-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	2.5	J	6.1	2.2	ug/L	1		8270C	Total/NA

Client Sample ID: PH-85 — Lab Sample ID: 480-30303-3

No Detections

Client Sample ID: PH-87 — Lab Sample ID: 480-30303-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.9	J	10	3.0	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	3.7	J	6.8	2.4	ug/L	1		8270C	Total/NA
Fluoranthene	0.86	J	6.8	0.54	ug/L	1		8270C	Total/NA
Pyrene	0.88	J	6.8	0.46	ug/L	1		8270C	Total/NA

Client Sample ID: PH-88 — Lab Sample ID: 480-30303-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.8		1.0	0.38	ug/L	1		8260B	Total/NA
Acetone	4.3	J	10	3.0	ug/L	1		8260B	Total/NA

Client Sample ID: PH-87 0-1' — Lab Sample ID: 480-30303-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.0	J *	21	1.6	ug/Kg	1	☼	8260B	Total/NA
Acetone	15	J	21	3.6	ug/Kg	1	☼	8260B	Total/NA
Acenaphthene	11	J	200	2.3	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	13	J	200	1.6	ug/Kg	1	☼	8270C	Total/NA
Anthracene	33	J	200	5.1	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)anthracene	150	J	200	3.4	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	140	J	200	4.8	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	190	J	200	3.9	ug/Kg	1	☼	8270C	Total/NA
Benzo(g,h,i)perylene	34	J	200	2.4	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	110	J	200	2.2	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	95	J	200	64	ug/Kg	1	☼	8270C	Total/NA
Carbazole	26	J	200	2.3	ug/Kg	1	☼	8270C	Total/NA
Chrysene	170	J	200	2.0	ug/Kg	1	☼	8270C	Total/NA
Dibenzofuran	8.1	J	200	2.1	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	380		200	2.9	ug/Kg	1	☼	8270C	Total/NA
Fluorene	23	J	200	4.6	ug/Kg	1	☼	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	31	J	200	5.5	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	220		200	4.2	ug/Kg	1	☼	8270C	Total/NA
Pyrene	290		200	1.3	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	370		20	5.9	mg/Kg	1	☼	8015B	Total/NA
Arsenic	2.0	J	2.5	0.51	mg/Kg	1	☼	6010B	Total/NA
Barium	34.6		0.63	0.14	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.34		0.25	0.038	mg/Kg	1	☼	6010B	Total/NA
Chromium	8.4		0.63	0.25	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: PH-87 0-1' (Continued) — Lab Sample ID: 480-30303-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	16.6		1.3	0.30	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.052		0.023	0.0095	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: PH-88 20' — Lab Sample ID: 480-30303-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	25	4.2	ug/Kg	1	☼	8260B	Total/NA
Chrysene	4.6	J	190	1.9	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	6.1	J	18	5.5	mg/Kg	1	☼	8015B	Total/NA
Arsenic	2.4		2.3	0.45	mg/Kg	1	☼	6010B	Total/NA
Barium	47.4		0.57	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.10	J	0.23	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.1		0.57	0.23	mg/Kg	1	☼	6010B	Total/NA
Lead	3.9		1.1	0.27	mg/Kg	1	☼	6010B	Total/NA

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-83
Date Collected: 12/14/12 16:30
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-1
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.1	U	5.1	0.67	ug/L		12/19/12 06:46	12/20/12 19:07	1
bis (2-chloroisopropyl) ether	5.1	U	5.1	0.53	ug/L		12/19/12 06:46	12/20/12 19:07	1
2,4,5-Trichlorophenol	5.1	U	5.1	0.49	ug/L		12/19/12 06:46	12/20/12 19:07	1
2,4,6-Trichlorophenol	5.1	U	5.1	0.63	ug/L		12/19/12 06:46	12/20/12 19:07	1
2,4-Dichlorophenol	5.1	U	5.1	0.52	ug/L		12/19/12 06:46	12/20/12 19:07	1
2,4-Dimethylphenol	5.1	U	5.1	0.51	ug/L		12/19/12 06:46	12/20/12 19:07	1
2,4-Dinitrophenol	10	U	10	2.3	ug/L		12/19/12 06:46	12/20/12 19:07	1
2,4-Dinitrotoluene	5.1	U	5.1	0.46	ug/L		12/19/12 06:46	12/20/12 19:07	1
2,6-Dinitrotoluene	5.1	U	5.1	0.41	ug/L		12/19/12 06:46	12/20/12 19:07	1
2-Chloronaphthalene	5.1	U	5.1	0.47	ug/L		12/19/12 06:46	12/20/12 19:07	1
2-Chlorophenol	5.1	U	5.1	0.55	ug/L		12/19/12 06:46	12/20/12 19:07	1
2-Methylnaphthalene	5.1	U	5.1	0.62	ug/L		12/19/12 06:46	12/20/12 19:07	1
2-Methylphenol	5.1	U	5.1	0.41	ug/L		12/19/12 06:46	12/20/12 19:07	1
2-Nitroaniline	10	U	10	0.43	ug/L		12/19/12 06:46	12/20/12 19:07	1
2-Nitrophenol	5.1	U	5.1	0.49	ug/L		12/19/12 06:46	12/20/12 19:07	1
3,3'-Dichlorobenzidine	5.1	U	5.1	0.41	ug/L		12/19/12 06:46	12/20/12 19:07	1
3-Nitroaniline	10	U	10	0.49	ug/L		12/19/12 06:46	12/20/12 19:07	1
4,6-Dinitro-2-methylphenol	10	U	10	2.3	ug/L		12/19/12 06:46	12/20/12 19:07	1
4-Bromophenyl phenyl ether	5.1	U	5.1	0.46	ug/L		12/19/12 06:46	12/20/12 19:07	1
4-Chloro-3-methylphenol	5.1	U	5.1	0.46	ug/L		12/19/12 06:46	12/20/12 19:07	1
4-Chloroaniline	5.1	U	5.1	0.61	ug/L		12/19/12 06:46	12/20/12 19:07	1
4-Chlorophenyl phenyl ether	5.1	U	5.1	0.36	ug/L		12/19/12 06:46	12/20/12 19:07	1
4-Methylphenol	10	U	10	0.37	ug/L		12/19/12 06:46	12/20/12 19:07	1
4-Nitroaniline	**12**		10	0.26	ug/L		12/19/12 06:46	12/20/12 19:07	1
4-Nitrophenol	10	U	10	1.6	ug/L		12/19/12 06:46	12/20/12 19:07	1
Acenaphthene	5.1	U	5.1	0.42	ug/L		12/19/12 06:46	12/20/12 19:07	1
Acenaphthylene	5.1	U	5.1	0.39	ug/L		12/19/12 06:46	12/20/12 19:07	1
Acetophenone	5.1	U	5.1	0.56	ug/L		12/19/12 06:46	12/20/12 19:07	1
Anthracene	5.1	U	5.1	0.29	ug/L		12/19/12 06:46	12/20/12 19:07	1
Atrazine	5.1	U	5.1	0.47	ug/L		12/19/12 06:46	12/20/12 19:07	1
Benzaldehyde	5.1	U	5.1	0.27	ug/L		12/19/12 06:46	12/20/12 19:07	1
Benzo(a)anthracene	5.1	U	5.1	0.37	ug/L		12/19/12 06:46	12/20/12 19:07	1
Benzo(a)pyrene	5.1	U	5.1	0.48	ug/L		12/19/12 06:46	12/20/12 19:07	1
Benzo(b)fluoranthene	5.1	U	5.1	0.35	ug/L		12/19/12 06:46	12/20/12 19:07	1
Benzo(g,h,i)perylene	5.1	U	5.1	0.36	ug/L		12/19/12 06:46	12/20/12 19:07	1
Benzo(k)fluoranthene	5.1	U	5.1	0.75	ug/L		12/19/12 06:46	12/20/12 19:07	1
Bis(2-chloroethoxy)methane	5.1	U	5.1	0.36	ug/L		12/19/12 06:46	12/20/12 19:07	1
Bis(2-chloroethyl)ether	5.1	U	5.1	0.41	ug/L		12/19/12 06:46	12/20/12 19:07	1
Bis(2-ethylhexyl) phthalate	5.1	U	5.1	1.9	ug/L		12/19/12 06:46	12/20/12 19:07	1
Butyl benzyl phthalate	5.1	U	5.1	0.43	ug/L		12/19/12 06:46	12/20/12 19:07	1
Caprolactam	5.1	U	5.1	2.3	ug/L		12/19/12 06:46	12/20/12 19:07	1
Carbazole	5.1	U	5.1	0.31	ug/L		12/19/12 06:46	12/20/12 19:07	1
Chrysene	5.1	U	5.1	0.34	ug/L		12/19/12 06:46	12/20/12 19:07	1
Di-n-butyl phthalate	5.1	U	5.1	0.32	ug/L		12/19/12 06:46	12/20/12 19:07	1
Di-n-octyl phthalate	5.1	U	5.1	0.48	ug/L		12/19/12 06:46	12/20/12 19:07	1
Dibenz(a,h)anthracene	5.1	U	5.1	0.43	ug/L		12/19/12 06:46	12/20/12 19:07	1
Dibenzofuran	10	U	10	0.52	ug/L		12/19/12 06:46	12/20/12 19:07	1
Diethyl phthalate	5.1	U	5.1	0.23	ug/L		12/19/12 06:46	12/20/12 19:07	1
Dimethyl phthalate	5.1	U	5.1	0.37	ug/L		12/19/12 06:46	12/20/12 19:07	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-83
Date Collected: 12/14/12 16:30
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-1
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	5.1	U	5.1	0.41	ug/L		12/19/12 06:46	12/20/12 19:07	1
Fluorene	5.1	U	5.1	0.37	ug/L		12/19/12 06:46	12/20/12 19:07	1
Hexachlorobenzene	5.1	U	5.1	0.52	ug/L		12/19/12 06:46	12/20/12 19:07	1
Hexachlorobutadiene	5.1	U	5.1	0.70	ug/L		12/19/12 06:46	12/20/12 19:07	1
Hexachlorocyclopentadiene	5.1	U	5.1	0.61	ug/L		12/19/12 06:46	12/20/12 19:07	1
Hexachloroethane	5.1	U	5.1	0.61	ug/L		12/19/12 06:46	12/20/12 19:07	1
Indeno(1,2,3-cd)pyrene	5.1	U	5.1	0.48	ug/L		12/19/12 06:46	12/20/12 19:07	1
Isophorone	5.1	U	5.1	0.44	ug/L		12/19/12 06:46	12/20/12 19:07	1
N-Nitrosodi-n-propylamine	5.1	U	5.1	0.56	ug/L		12/19/12 06:46	12/20/12 19:07	1
N-Nitrosodiphenylamine	5.1	U	5.1	0.52	ug/L		12/19/12 06:46	12/20/12 19:07	1
Naphthalene	5.1	U	5.1	0.78	ug/L		12/19/12 06:46	12/20/12 19:07	1
Nitrobenzene	5.1	U	5.1	0.30	ug/L		12/19/12 06:46	12/20/12 19:07	1
Pentachlorophenol	10	U	10	2.3	ug/L		12/19/12 06:46	12/20/12 19:07	1
Phenanthrene	5.1	U	5.1	0.45	ug/L		12/19/12 06:46	12/20/12 19:07	1
Phenol	5.1	U	5.1	0.40	ug/L		12/19/12 06:46	12/20/12 19:07	1
Pyrene	5.1	U	5.1	0.35	ug/L		12/19/12 06:46	12/20/12 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*52 - 132*	*12/19/12 06:46*	*12/20/12 19:07*	*1*
2-Fluorobiphenyl	*96*		*48 - 120*	*12/19/12 06:46*	*12/20/12 19:07*	*1*
2-Fluorophenol	*53*		*20 - 120*	*12/19/12 06:46*	*12/20/12 19:07*	*1*
Nitrobenzene-d5	*96*		*46 - 120*	*12/19/12 06:46*	*12/20/12 19:07*	*1*
p-Terphenyl-d14	*57*	*X*	*67 - 150*	*12/19/12 06:46*	*12/20/12 19:07*	*1*
Phenol-d5	*38*		*16 - 120*	*12/19/12 06:46*	*12/20/12 19:07*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-84
Date Collected: 12/14/12 12:40
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-2
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	6.1	U	6.1	0.80	ug/L		12/19/12 06:46	12/20/12 19:31	1
bis (2-chloroisopropyl) ether	6.1	U	6.1	0.64	ug/L		12/19/12 06:46	12/20/12 19:31	1
2,4,5-Trichlorophenol	6.1	U	6.1	0.59	ug/L		12/19/12 06:46	12/20/12 19:31	1
2,4,6-Trichlorophenol	6.1	U	6.1	0.75	ug/L		12/19/12 06:46	12/20/12 19:31	1
2,4-Dichlorophenol	6.1	U	6.1	0.63	ug/L		12/19/12 06:46	12/20/12 19:31	1
2,4-Dimethylphenol	6.1	U	6.1	0.61	ug/L		12/19/12 06:46	12/20/12 19:31	1
2,4-Dinitrophenol	12	U	12	2.7	ug/L		12/19/12 06:46	12/20/12 19:31	1
2,4-Dinitrotoluene	6.1	U	6.1	0.55	ug/L		12/19/12 06:46	12/20/12 19:31	1
2,6-Dinitrotoluene	6.1	U	6.1	0.49	ug/L		12/19/12 06:46	12/20/12 19:31	1
2-Chloronaphthalene	6.1	U	6.1	0.57	ug/L		12/19/12 06:46	12/20/12 19:31	1
2-Chlorophenol	6.1	U	6.1	0.65	ug/L		12/19/12 06:46	12/20/12 19:31	1
2-Methylnaphthalene	6.1	U	6.1	0.74	ug/L		12/19/12 06:46	12/20/12 19:31	1
2-Methylphenol	6.1	U	6.1	0.49	ug/L		12/19/12 06:46	12/20/12 19:31	1
2-Nitroaniline	12	U	12	0.52	ug/L		12/19/12 06:46	12/20/12 19:31	1
2-Nitrophenol	6.1	U	6.1	0.59	ug/L		12/19/12 06:46	12/20/12 19:31	1
3,3'-Dichlorobenzidine	6.1	U	6.1	0.49	ug/L		12/19/12 06:46	12/20/12 19:31	1
3-Nitroaniline	12	U	12	0.59	ug/L		12/19/12 06:46	12/20/12 19:31	1
4,6-Dinitro-2-methylphenol	12	U	12	2.7	ug/L		12/19/12 06:46	12/20/12 19:31	1
4-Bromophenyl phenyl ether	6.1	U	6.1	0.55	ug/L		12/19/12 06:46	12/20/12 19:31	1
4-Chloro-3-methylphenol	6.1	U	6.1	0.55	ug/L		12/19/12 06:46	12/20/12 19:31	1
4-Chloroaniline	6.1	U	6.1	0.72	ug/L		12/19/12 06:46	12/20/12 19:31	1
4-Chlorophenyl phenyl ether	6.1	U	6.1	0.43	ug/L		12/19/12 06:46	12/20/12 19:31	1
4-Methylphenol	12	U	12	0.44	ug/L		12/19/12 06:46	12/20/12 19:31	1
4-Nitroaniline	12	U	12	0.31	ug/L		12/19/12 06:46	12/20/12 19:31	1
4-Nitrophenol	12	U	12	1.9	ug/L		12/19/12 06:46	12/20/12 19:31	1
Acenaphthene	6.1	U	6.1	0.50	ug/L		12/19/12 06:46	12/20/12 19:31	1
Acenaphthylene	6.1	U	6.1	0.47	ug/L		12/19/12 06:46	12/20/12 19:31	1
Acetophenone	6.1	U	6.1	0.66	ug/L		12/19/12 06:46	12/20/12 19:31	1
Anthracene	6.1	U	6.1	0.34	ug/L		12/19/12 06:46	12/20/12 19:31	1
Atrazine	6.1	U	6.1	0.57	ug/L		12/19/12 06:46	12/20/12 19:31	1
Benzaldehyde	6.1	U	6.1	0.33	ug/L		12/19/12 06:46	12/20/12 19:31	1
Benzo(a)anthracene	6.1	U	6.1	0.44	ug/L		12/19/12 06:46	12/20/12 19:31	1
Benzo(a)pyrene	6.1	U	6.1	0.58	ug/L		12/19/12 06:46	12/20/12 19:31	1
Benzo(b)fluoranthene	6.1	U	6.1	0.42	ug/L		12/19/12 06:46	12/20/12 19:31	1
Benzo(g,h,i)perylene	6.1	U	6.1	0.43	ug/L		12/19/12 06:46	12/20/12 19:31	1
Benzo(k)fluoranthene	6.1	U	6.1	0.90	ug/L		12/19/12 06:46	12/20/12 19:31	1
Bis(2-chloroethoxy)methane	6.1	U	6.1	0.43	ug/L		12/19/12 06:46	12/20/12 19:31	1
Bis(2-chloroethyl)ether	6.1	U	6.1	0.49	ug/L		12/19/12 06:46	12/20/12 19:31	1
Bis(2-ethylhexyl) phthalate	**2.5**	**J**	6.1	2.2	ug/L		12/19/12 06:46	12/20/12 19:31	1
Butyl benzyl phthalate	6.1	U	6.1	0.52	ug/L		12/19/12 06:46	12/20/12 19:31	1
Caprolactam	6.1	U	6.1	2.7	ug/L		12/19/12 06:46	12/20/12 19:31	1
Carbazole	6.1	U	6.1	0.37	ug/L		12/19/12 06:46	12/20/12 19:31	1
Chrysene	6.1	U	6.1	0.41	ug/L		12/19/12 06:46	12/20/12 19:31	1
Di-n-butyl phthalate	6.1	U	6.1	0.38	ug/L		12/19/12 06:46	12/20/12 19:31	1
Di-n-octyl phthalate	6.1	U	6.1	0.58	ug/L		12/19/12 06:46	12/20/12 19:31	1
Dibenz(a,h)anthracene	6.1	U	6.1	0.52	ug/L		12/19/12 06:46	12/20/12 19:31	1
Dibenzofuran	12	U	12	0.63	ug/L		12/19/12 06:46	12/20/12 19:31	1
Diethyl phthalate	6.1	U	6.1	0.27	ug/L		12/19/12 06:46	12/20/12 19:31	1
Dimethyl phthalate	6.1	U	6.1	0.44	ug/L		12/19/12 06:46	12/20/12 19:31	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-84
Date Collected: 12/14/12 12:40
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-2
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	6.1	U	6.1	0.49	ug/L		12/19/12 06:46	12/20/12 19:31	1
Fluorene	6.1	U	6.1	0.44	ug/L		12/19/12 06:46	12/20/12 19:31	1
Hexachlorobenzene	6.1	U	6.1	0.63	ug/L		12/19/12 06:46	12/20/12 19:31	1
Hexachlorobutadiene	6.1	U	6.1	0.84	ug/L		12/19/12 06:46	12/20/12 19:31	1
Hexachlorocyclopentadiene	6.1	U	6.1	0.72	ug/L		12/19/12 06:46	12/20/12 19:31	1
Hexachloroethane	6.1	U	6.1	0.72	ug/L		12/19/12 06:46	12/20/12 19:31	1
Indeno(1,2,3-cd)pyrene	6.1	U	6.1	0.58	ug/L		12/19/12 06:46	12/20/12 19:31	1
Isophorone	6.1	U	6.1	0.53	ug/L		12/19/12 06:46	12/20/12 19:31	1
N-Nitrosodi-n-propylamine	6.1	U	6.1	0.66	ug/L		12/19/12 06:46	12/20/12 19:31	1
N-Nitrosodiphenylamine	6.1	U	6.1	0.63	ug/L		12/19/12 06:46	12/20/12 19:31	1
Naphthalene	6.1	U	6.1	0.93	ug/L		12/19/12 06:46	12/20/12 19:31	1
Nitrobenzene	6.1	U	6.1	0.36	ug/L		12/19/12 06:46	12/20/12 19:31	1
Pentachlorophenol	12	U	12	2.7	ug/L		12/19/12 06:46	12/20/12 19:31	1
Phenanthrene	6.1	U	6.1	0.54	ug/L		12/19/12 06:46	12/20/12 19:31	1
Phenol	6.1	U	6.1	0.48	ug/L		12/19/12 06:46	12/20/12 19:31	1
Pyrene	6.1	U	6.1	0.42	ug/L		12/19/12 06:46	12/20/12 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*52 - 132*	*12/19/12 06:46*	*12/20/12 19:31*	*1*
2-Fluorobiphenyl	*98*		*48 - 120*	*12/19/12 06:46*	*12/20/12 19:31*	*1*
2-Fluorophenol	*58*		*20 - 120*	*12/19/12 06:46*	*12/20/12 19:31*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*12/19/12 06:46*	*12/20/12 19:31*	*1*
p-Terphenyl-d14	*60*	*X*	*67 - 150*	*12/19/12 06:46*	*12/20/12 19:31*	*1*
Phenol-d5	*44*		*16 - 120*	*12/19/12 06:46*	*12/20/12 19:31*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-85
Date Collected: 12/14/12 12:05
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	4.9	U	4.9	0.64	ug/L		12/19/12 06:46	12/20/12 19:55	1
bis (2-chloroisopropyl) ether	4.9	U	4.9	0.51	ug/L		12/19/12 06:46	12/20/12 19:55	1
2,4,5-Trichlorophenol	4.9	U	4.9	0.47	ug/L		12/19/12 06:46	12/20/12 19:55	1
2,4,6-Trichlorophenol	4.9	U	4.9	0.60	ug/L		12/19/12 06:46	12/20/12 19:55	1
2,4-Dichlorophenol	4.9	U	4.9	0.50	ug/L		12/19/12 06:46	12/20/12 19:55	1
2,4-Dimethylphenol	4.9	U	4.9	0.49	ug/L		12/19/12 06:46	12/20/12 19:55	1
2,4-Dinitrophenol	9.9	U	9.9	2.2	ug/L		12/19/12 06:46	12/20/12 19:55	1
2,4-Dinitrotoluene	4.9	U	4.9	0.44	ug/L		12/19/12 06:46	12/20/12 19:55	1
2,6-Dinitrotoluene	4.9	U	4.9	0.39	ug/L		12/19/12 06:46	12/20/12 19:55	1
2-Chloronaphthalene	4.9	U	4.9	0.45	ug/L		12/19/12 06:46	12/20/12 19:55	1
2-Chlorophenol	4.9	U	4.9	0.52	ug/L		12/19/12 06:46	12/20/12 19:55	1
2-Methylnaphthalene	4.9	U	4.9	0.59	ug/L		12/19/12 06:46	12/20/12 19:55	1
2-Methylphenol	4.9	U	4.9	0.39	ug/L		12/19/12 06:46	12/20/12 19:55	1
2-Nitroaniline	9.9	U	9.9	0.41	ug/L		12/19/12 06:46	12/20/12 19:55	1
2-Nitrophenol	4.9	U	4.9	0.47	ug/L		12/19/12 06:46	12/20/12 19:55	1
3,3'-Dichlorobenzidine	4.9	U	4.9	0.39	ug/L		12/19/12 06:46	12/20/12 19:55	1
3-Nitroaniline	9.9	U	9.9	0.47	ug/L		12/19/12 06:46	12/20/12 19:55	1
4,6-Dinitro-2-methylphenol	9.9	U	9.9	2.2	ug/L		12/19/12 06:46	12/20/12 19:55	1
4-Bromophenyl phenyl ether	4.9	U	4.9	0.44	ug/L		12/19/12 06:46	12/20/12 19:55	1
4-Chloro-3-methylphenol	4.9	U	4.9	0.44	ug/L		12/19/12 06:46	12/20/12 19:55	1
4-Chloroaniline	4.9	U	4.9	0.58	ug/L		12/19/12 06:46	12/20/12 19:55	1
4-Chlorophenyl phenyl ether	4.9	U	4.9	0.35	ug/L		12/19/12 06:46	12/20/12 19:55	1
4-Methylphenol	9.9	U	9.9	0.36	ug/L		12/19/12 06:46	12/20/12 19:55	1
4-Nitroaniline	9.9	U	9.9	0.25	ug/L		12/19/12 06:46	12/20/12 19:55	1
4-Nitrophenol	9.9	U	9.9	1.5	ug/L		12/19/12 06:46	12/20/12 19:55	1
Acenaphthene	4.9	U	4.9	0.40	ug/L		12/19/12 06:46	12/20/12 19:55	1
Acenaphthylene	4.9	U	4.9	0.37	ug/L		12/19/12 06:46	12/20/12 19:55	1
Acetophenone	4.9	U	4.9	0.53	ug/L		12/19/12 06:46	12/20/12 19:55	1
Anthracene	4.9	U	4.9	0.28	ug/L		12/19/12 06:46	12/20/12 19:55	1
Atrazine	4.9	U	4.9	0.45	ug/L		12/19/12 06:46	12/20/12 19:55	1
Benzaldehyde	4.9	U	4.9	0.26	ug/L		12/19/12 06:46	12/20/12 19:55	1
Benzo(a)anthracene	4.9	U	4.9	0.36	ug/L		12/19/12 06:46	12/20/12 19:55	1
Benzo(a)pyrene	4.9	U	4.9	0.46	ug/L		12/19/12 06:46	12/20/12 19:55	1
Benzo(b)fluoranthene	4.9	U	4.9	0.34	ug/L		12/19/12 06:46	12/20/12 19:55	1
Benzo(g,h,i)perylene	4.9	U	4.9	0.35	ug/L		12/19/12 06:46	12/20/12 19:55	1
Benzo(k)fluoranthene	4.9	U	4.9	0.72	ug/L		12/19/12 06:46	12/20/12 19:55	1
Bis(2-chloroethoxy)methane	4.9	U	4.9	0.35	ug/L		12/19/12 06:46	12/20/12 19:55	1
Bis(2-chloroethyl)ether	4.9	U	4.9	0.39	ug/L		12/19/12 06:46	12/20/12 19:55	1
Bis(2-ethylhexyl) phthalate	4.9	U	4.9	1.8	ug/L		12/19/12 06:46	12/20/12 19:55	1
Butyl benzyl phthalate	4.9	U	4.9	0.41	ug/L		12/19/12 06:46	12/20/12 19:55	1
Caprolactam	4.9	U	4.9	2.2	ug/L		12/19/12 06:46	12/20/12 19:55	1
Carbazole	4.9	U	4.9	0.30	ug/L		12/19/12 06:46	12/20/12 19:55	1
Chrysene	4.9	U	4.9	0.33	ug/L		12/19/12 06:46	12/20/12 19:55	1
Di-n-butyl phthalate	4.9	U	4.9	0.31	ug/L		12/19/12 06:46	12/20/12 19:55	1
Di-n-octyl phthalate	4.9	U	4.9	0.46	ug/L		12/19/12 06:46	12/20/12 19:55	1
Dibenz(a,h)anthracene	4.9	U	4.9	0.41	ug/L		12/19/12 06:46	12/20/12 19:55	1
Dibenzofuran	9.9	U	9.9	0.50	ug/L		12/19/12 06:46	12/20/12 19:55	1
Diethyl phthalate	4.9	U	4.9	0.22	ug/L		12/19/12 06:46	12/20/12 19:55	1
Dimethyl phthalate	4.9	U	4.9	0.36	ug/L		12/19/12 06:46	12/20/12 19:55	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-85
Date Collected: 12/14/12 12:05
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	4.9	U	4.9	0.39	ug/L		12/19/12 06:46	12/20/12 19:55	1
Fluorene	4.9	U	4.9	0.36	ug/L		12/19/12 06:46	12/20/12 19:55	1
Hexachlorobenzene	4.9	U	4.9	0.50	ug/L		12/19/12 06:46	12/20/12 19:55	1
Hexachlorobutadiene	4.9	U	4.9	0.67	ug/L		12/19/12 06:46	12/20/12 19:55	1
Hexachlorocyclopentadiene	4.9	U	4.9	0.58	ug/L		12/19/12 06:46	12/20/12 19:55	1
Hexachloroethane	4.9	U	4.9	0.58	ug/L		12/19/12 06:46	12/20/12 19:55	1
Indeno(1,2,3-cd)pyrene	4.9	U	4.9	0.46	ug/L		12/19/12 06:46	12/20/12 19:55	1
Isophorone	4.9	U	4.9	0.42	ug/L		12/19/12 06:46	12/20/12 19:55	1
N-Nitrosodi-n-propylamine	4.9	U	4.9	0.53	ug/L		12/19/12 06:46	12/20/12 19:55	1
N-Nitrosodiphenylamine	4.9	U	4.9	0.50	ug/L		12/19/12 06:46	12/20/12 19:55	1
Naphthalene	4.9	U	4.9	0.75	ug/L		12/19/12 06:46	12/20/12 19:55	1
Nitrobenzene	4.9	U	4.9	0.29	ug/L		12/19/12 06:46	12/20/12 19:55	1
Pentachlorophenol	9.9	U	9.9	2.2	ug/L		12/19/12 06:46	12/20/12 19:55	1
Phenanthrene	4.9	U	4.9	0.43	ug/L		12/19/12 06:46	12/20/12 19:55	1
Phenol	4.9	U	4.9	0.38	ug/L		12/19/12 06:46	12/20/12 19:55	1
Pyrene	4.9	U	4.9	0.34	ug/L		12/19/12 06:46	12/20/12 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*52 - 132*	*12/19/12 06:46*	*12/20/12 19:55*	*1*
2-Fluorobiphenyl	*97*		*48 - 120*	*12/19/12 06:46*	*12/20/12 19:55*	*1*
2-Fluorophenol	*49*		*20 - 120*	*12/19/12 06:46*	*12/20/12 19:55*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*12/19/12 06:46*	*12/20/12 19:55*	*1*
p-Terphenyl-d14	*74*		*67 - 150*	*12/19/12 06:46*	*12/20/12 19:55*	*1*
Phenol-d5	*34*		*16 - 120*	*12/19/12 06:46*	*12/20/12 19:55*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-87

Lab Sample ID: 480-30303-4

Date Collected: 12/14/12 16:00

Matrix: Water

Date Received: 12/15/12 07:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			12/21/12 20:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			12/21/12 20:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			12/21/12 20:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/21/12 20:27	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			12/21/12 20:27	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			12/21/12 20:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			12/21/12 20:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			12/21/12 20:27	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			12/21/12 20:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			12/21/12 20:27	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/21/12 20:27	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			12/21/12 20:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			12/21/12 20:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			12/21/12 20:27	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			12/21/12 20:27	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			12/21/12 20:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			12/21/12 20:27	1
Acetone	**6.9**	**J**	10	3.0	ug/L			12/21/12 20:27	1
Benzene	1.0	U	1.0	0.41	ug/L			12/21/12 20:27	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			12/21/12 20:27	1
Bromoform	1.0	U	1.0	0.26	ug/L			12/21/12 20:27	1
Bromomethane	1.0	U	1.0	0.69	ug/L			12/21/12 20:27	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			12/21/12 20:27	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			12/21/12 20:27	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			12/21/12 20:27	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			12/21/12 20:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/21/12 20:27	1
Chloroform	1.0	U	1.0	0.34	ug/L			12/21/12 20:27	1
Chloromethane	1.0	U	1.0	0.35	ug/L			12/21/12 20:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			12/21/12 20:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			12/21/12 20:27	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			12/21/12 20:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			12/21/12 20:27	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			12/21/12 20:27	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			12/21/12 20:27	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			12/21/12 20:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			12/21/12 20:27	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			12/21/12 20:27	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			12/21/12 20:27	1
Styrene	1.0	U	1.0	0.73	ug/L			12/21/12 20:27	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			12/21/12 20:27	1
Toluene	1.0	U	1.0	0.51	ug/L			12/21/12 20:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			12/21/12 20:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			12/21/12 20:27	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			12/21/12 20:27	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			12/21/12 20:27	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			12/21/12 20:27	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			12/21/12 20:27	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-87

Date Collected: 12/14/12 16:00
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-4

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*		*12/21/12 20:27*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*12/21/12 20:27*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/21/12 20:27*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	6.8	U	6.8	0.88	ug/L		12/19/12 06:46	12/20/12 20:20	1
bis (2-chloroisopropyl) ether	6.8	U	6.8	0.70	ug/L		12/19/12 06:46	12/20/12 20:20	1
2,4,5-Trichlorophenol	6.8	U	6.8	0.65	ug/L		12/19/12 06:46	12/20/12 20:20	1
2,4,6-Trichlorophenol	6.8	U	6.8	0.83	ug/L		12/19/12 06:46	12/20/12 20:20	1
2,4-Dichlorophenol	6.8	U	6.8	0.69	ug/L		12/19/12 06:46	12/20/12 20:20	1
2,4-Dimethylphenol	6.8	U	6.8	0.68	ug/L		12/19/12 06:46	12/20/12 20:20	1
2,4-Dinitrophenol	14	U	14	3.0	ug/L		12/19/12 06:46	12/20/12 20:20	1
2,4-Dinitrotoluene	6.8	U	6.8	0.61	ug/L		12/19/12 06:46	12/20/12 20:20	1
2,6-Dinitrotoluene	6.8	U	6.8	0.54	ug/L		12/19/12 06:46	12/20/12 20:20	1
2-Chloronaphthalene	6.8	U	6.8	0.62	ug/L		12/19/12 06:46	12/20/12 20:20	1
2-Chlorophenol	6.8	U	6.8	0.72	ug/L		12/19/12 06:46	12/20/12 20:20	1
2-Methylnaphthalene	6.8	U	6.8	0.81	ug/L		12/19/12 06:46	12/20/12 20:20	1
2-Methylphenol	6.8	U	6.8	0.54	ug/L		12/19/12 06:46	12/20/12 20:20	1
2-Nitroaniline	14	U	14	0.57	ug/L		12/19/12 06:46	12/20/12 20:20	1
2-Nitrophenol	6.8	U	6.8	0.65	ug/L		12/19/12 06:46	12/20/12 20:20	1
3,3'-Dichlorobenzidine	6.8	U	6.8	0.54	ug/L		12/19/12 06:46	12/20/12 20:20	1
3-Nitroaniline	14	U	14	0.65	ug/L		12/19/12 06:46	12/20/12 20:20	1
4,6-Dinitro-2-methylphenol	14	U	14	3.0	ug/L		12/19/12 06:46	12/20/12 20:20	1
4-Bromophenyl phenyl ether	6.8	U	6.8	0.61	ug/L		12/19/12 06:46	12/20/12 20:20	1
4-Chloro-3-methylphenol	6.8	U	6.8	0.61	ug/L		12/19/12 06:46	12/20/12 20:20	1
4-Chloroaniline	6.8	U	6.8	0.80	ug/L		12/19/12 06:46	12/20/12 20:20	1
4-Chlorophenyl phenyl ether	6.8	U	6.8	0.47	ug/L		12/19/12 06:46	12/20/12 20:20	1
4-Methylphenol	14	U	14	0.49	ug/L		12/19/12 06:46	12/20/12 20:20	1
4-Nitroaniline	14	U	14	0.34	ug/L		12/19/12 06:46	12/20/12 20:20	1
4-Nitrophenol	14	U	14	2.1	ug/L		12/19/12 06:46	12/20/12 20:20	1
Acenaphthene	6.8	U	6.8	0.56	ug/L		12/19/12 06:46	12/20/12 20:20	1
Acenaphthylene	6.8	U	6.8	0.51	ug/L		12/19/12 06:46	12/20/12 20:20	1
Acetophenone	6.8	U	6.8	0.73	ug/L		12/19/12 06:46	12/20/12 20:20	1
Anthracene	6.8	U	6.8	0.38	ug/L		12/19/12 06:46	12/20/12 20:20	1
Atrazine	6.8	U	6.8	0.62	ug/L		12/19/12 06:46	12/20/12 20:20	1
Benzaldehyde	6.8	U	6.8	0.36	ug/L		12/19/12 06:46	12/20/12 20:20	1
Benzo(a)anthracene	6.8	U	6.8	0.49	ug/L		12/19/12 06:46	12/20/12 20:20	1
Benzo(a)pyrene	6.8	U	6.8	0.64	ug/L		12/19/12 06:46	12/20/12 20:20	1
Benzo(b)fluoranthene	6.8	U	6.8	0.46	ug/L		12/19/12 06:46	12/20/12 20:20	1
Benzo(g,h,i)perylene	6.8	U	6.8	0.47	ug/L		12/19/12 06:46	12/20/12 20:20	1
Benzo(k)fluoranthene	6.8	U	6.8	0.99	ug/L		12/19/12 06:46	12/20/12 20:20	1
Bis(2-chloroethoxy)methane	6.8	U	6.8	0.47	ug/L		12/19/12 06:46	12/20/12 20:20	1
Bis(2-chloroethyl)ether	6.8	U	6.8	0.54	ug/L		12/19/12 06:46	12/20/12 20:20	1
Bis(2-ethylhexyl) phthalate	**3.7**	**J**	6.8	2.4	ug/L		12/19/12 06:46	12/20/12 20:20	1
Butyl benzyl phthalate	6.8	U	6.8	0.57	ug/L		12/19/12 06:46	12/20/12 20:20	1
Caprolactam	6.8	U	6.8	3.0	ug/L		12/19/12 06:46	12/20/12 20:20	1
Carbazole	6.8	U	6.8	0.41	ug/L		12/19/12 06:46	12/20/12 20:20	1
Chrysene	6.8	U	6.8	0.45	ug/L		12/19/12 06:46	12/20/12 20:20	1
Di-n-butyl phthalate	6.8	U	6.8	0.42	ug/L		12/19/12 06:46	12/20/12 20:20	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-87

Date Collected: 12/14/12 16:00
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-4

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	6.8	U	6.8	0.64	ug/L		12/19/12 06:46	12/20/12 20:20	1
Dibenz(a,h)anthracene	6.8	U	6.8	0.57	ug/L		12/19/12 06:46	12/20/12 20:20	1
Dibenzofuran	14	U	14	0.69	ug/L		12/19/12 06:46	12/20/12 20:20	1
Diethyl phthalate	6.8	U	6.8	0.30	ug/L		12/19/12 06:46	12/20/12 20:20	1
Dimethyl phthalate	6.8	U	6.8	0.49	ug/L		12/19/12 06:46	12/20/12 20:20	1
Fluoranthene	**0.86**	**J**	6.8	0.54	ug/L		12/19/12 06:46	12/20/12 20:20	1
Fluorene	6.8	U	6.8	0.49	ug/L		12/19/12 06:46	12/20/12 20:20	1
Hexachlorobenzene	6.8	U	6.8	0.69	ug/L		12/19/12 06:46	12/20/12 20:20	1
Hexachlorobutadiene	6.8	U	6.8	0.92	ug/L		12/19/12 06:46	12/20/12 20:20	1
Hexachlorocyclopentadiene	6.8	U	6.8	0.80	ug/L		12/19/12 06:46	12/20/12 20:20	1
Hexachloroethane	6.8	U	6.8	0.80	ug/L		12/19/12 06:46	12/20/12 20:20	1
Indeno(1,2,3-cd)pyrene	6.8	U	6.8	0.64	ug/L		12/19/12 06:46	12/20/12 20:20	1
Isophorone	6.8	U	6.8	0.58	ug/L		12/19/12 06:46	12/20/12 20:20	1
N-Nitrosodi-n-propylamine	6.8	U	6.8	0.73	ug/L		12/19/12 06:46	12/20/12 20:20	1
N-Nitrosodiphenylamine	6.8	U	6.8	0.69	ug/L		12/19/12 06:46	12/20/12 20:20	1
Naphthalene	6.8	U	6.8	1.0	ug/L		12/19/12 06:46	12/20/12 20:20	1
Nitrobenzene	6.8	U	6.8	0.39	ug/L		12/19/12 06:46	12/20/12 20:20	1
Pentachlorophenol	14	U	14	3.0	ug/L		12/19/12 06:46	12/20/12 20:20	1
Phenanthrene	6.8	U	6.8	0.60	ug/L		12/19/12 06:46	12/20/12 20:20	1
Phenol	6.8	U	6.8	0.53	ug/L		12/19/12 06:46	12/20/12 20:20	1
Pyrene	**0.88**	**J**	6.8	0.46	ug/L		12/19/12 06:46	12/20/12 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*107*		*52 - 132*	*12/19/12 06:46*	*12/20/12 20:20*	*1*
2-Fluorobiphenyl	*97*		*48 - 120*	*12/19/12 06:46*	*12/20/12 20:20*	*1*
2-Fluorophenol	*58*		*20 - 120*	*12/19/12 06:46*	*12/20/12 20:20*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*12/19/12 06:46*	*12/20/12 20:20*	*1*
p-Terphenyl-d14	*61*	*X*	*67 - 150*	*12/19/12 06:46*	*12/20/12 20:20*	*1*
Phenol-d5	*44*		*16 - 120*	*12/19/12 06:46*	*12/20/12 20:20*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-88

Date Collected: 12/14/12 15:55
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			12/21/12 20:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			12/21/12 20:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			12/21/12 20:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/21/12 20:50	1
1,1-Dichloroethane	**4.8**		1.0	0.38	ug/L			12/21/12 20:50	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			12/21/12 20:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			12/21/12 20:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			12/21/12 20:50	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			12/21/12 20:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			12/21/12 20:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/21/12 20:50	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			12/21/12 20:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			12/21/12 20:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			12/21/12 20:50	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			12/21/12 20:50	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			12/21/12 20:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			12/21/12 20:50	1
Acetone	**4.3**	**J**	10	3.0	ug/L			12/21/12 20:50	1
Benzene	1.0	U	1.0	0.41	ug/L			12/21/12 20:50	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			12/21/12 20:50	1
Bromoform	1.0	U	1.0	0.26	ug/L			12/21/12 20:50	1
Bromomethane	1.0	U	1.0	0.69	ug/L			12/21/12 20:50	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			12/21/12 20:50	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			12/21/12 20:50	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			12/21/12 20:50	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			12/21/12 20:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/21/12 20:50	1
Chloroform	1.0	U	1.0	0.34	ug/L			12/21/12 20:50	1
Chloromethane	1.0	U	1.0	0.35	ug/L			12/21/12 20:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			12/21/12 20:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			12/21/12 20:50	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			12/21/12 20:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			12/21/12 20:50	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			12/21/12 20:50	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			12/21/12 20:50	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			12/21/12 20:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			12/21/12 20:50	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			12/21/12 20:50	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			12/21/12 20:50	1
Styrene	1.0	U	1.0	0.73	ug/L			12/21/12 20:50	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			12/21/12 20:50	1
Toluene	1.0	U	1.0	0.51	ug/L			12/21/12 20:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			12/21/12 20:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			12/21/12 20:50	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			12/21/12 20:50	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			12/21/12 20:50	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			12/21/12 20:50	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			12/21/12 20:50	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-88

Date Collected: 12/14/12 15:55
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*12/21/12 20:50*	*1*
Toluene-d8 (Surr)	*110*		*71 - 126*		*12/21/12 20:50*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/21/12 20:50*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	9.2	U	9.2	1.2	ug/L		12/19/12 06:46	12/21/12 13:43	1
bis (2-chloroisopropyl) ether	9.2	U	9.2	0.96	ug/L		12/19/12 06:46	12/21/12 13:43	1
2,4,5-Trichlorophenol	9.2	U	9.2	0.89	ug/L		12/19/12 06:46	12/21/12 13:43	1
2,4,6-Trichlorophenol	9.2	U	9.2	1.1	ug/L		12/19/12 06:46	12/21/12 13:43	1
2,4-Dichlorophenol	9.2	U	9.2	0.94	ug/L		12/19/12 06:46	12/21/12 13:43	1
2,4-Dimethylphenol	9.2	U	9.2	0.92	ug/L		12/19/12 06:46	12/21/12 13:43	1
2,4-Dinitrophenol	18	U	18	4.1	ug/L		12/19/12 06:46	12/21/12 13:43	1
2,4-Dinitrotoluene	9.2	U	9.2	0.83	ug/L		12/19/12 06:46	12/21/12 13:43	1
2,6-Dinitrotoluene	9.2	U	9.2	0.74	ug/L		12/19/12 06:46	12/21/12 13:43	1
2-Chloronaphthalene	9.2	U	9.2	0.85	ug/L		12/19/12 06:46	12/21/12 13:43	1
2-Chlorophenol	9.2	U	9.2	0.98	ug/L		12/19/12 06:46	12/21/12 13:43	1
2-Methylnaphthalene	9.2	U	9.2	1.1	ug/L		12/19/12 06:46	12/21/12 13:43	1
2-Methylphenol	9.2	U	9.2	0.74	ug/L		12/19/12 06:46	12/21/12 13:43	1
2-Nitroaniline	18	U	18	0.78	ug/L		12/19/12 06:46	12/21/12 13:43	1
2-Nitrophenol	9.2	U	9.2	0.89	ug/L		12/19/12 06:46	12/21/12 13:43	1
3,3'-Dichlorobenzidine	9.2	U	9.2	0.74	ug/L		12/19/12 06:46	12/21/12 13:43	1
3-Nitroaniline	18	U	18	0.89	ug/L		12/19/12 06:46	12/21/12 13:43	1
4,6-Dinitro-2-methylphenol	18	U	18	4.1	ug/L		12/19/12 06:46	12/21/12 13:43	1
4-Bromophenyl phenyl ether	9.2	U	9.2	0.83	ug/L		12/19/12 06:46	12/21/12 13:43	1
4-Chloro-3-methylphenol	9.2	U	9.2	0.83	ug/L		12/19/12 06:46	12/21/12 13:43	1
4-Chloroaniline	9.2	U	9.2	1.1	ug/L		12/19/12 06:46	12/21/12 13:43	1
4-Chlorophenyl phenyl ether	9.2	U	9.2	0.65	ug/L		12/19/12 06:46	12/21/12 13:43	1
4-Methylphenol	18	U	18	0.67	ug/L		12/19/12 06:46	12/21/12 13:43	1
4-Nitroaniline	18	U	18	0.46	ug/L		12/19/12 06:46	12/21/12 13:43	1
4-Nitrophenol	18	U	18	2.8	ug/L		12/19/12 06:46	12/21/12 13:43	1
Acenaphthene	9.2	U	9.2	0.76	ug/L		12/19/12 06:46	12/21/12 13:43	1
Acenaphthylene	9.2	U	9.2	0.70	ug/L		12/19/12 06:46	12/21/12 13:43	1
Acetophenone	9.2	U	9.2	1.0	ug/L		12/19/12 06:46	12/21/12 13:43	1
Anthracene	9.2	U	9.2	0.52	ug/L		12/19/12 06:46	12/21/12 13:43	1
Atrazine	9.2	U	9.2	0.85	ug/L		12/19/12 06:46	12/21/12 13:43	1
Benzaldehyde	9.2	U	9.2	0.49	ug/L		12/19/12 06:46	12/21/12 13:43	1
Benzo(a)anthracene	9.2	U	9.2	0.67	ug/L		12/19/12 06:46	12/21/12 13:43	1
Benzo(a)pyrene	9.2	U	9.2	0.87	ug/L		12/19/12 06:46	12/21/12 13:43	1
Benzo(b)fluoranthene	9.2	U	9.2	0.63	ug/L		12/19/12 06:46	12/21/12 13:43	1
Benzo(g,h,i)perylene	9.2	U	9.2	0.65	ug/L		12/19/12 06:46	12/21/12 13:43	1
Benzo(k)fluoranthene	9.2	U	9.2	1.3	ug/L		12/19/12 06:46	12/21/12 13:43	1
Bis(2-chloroethoxy)methane	9.2	U	9.2	0.65	ug/L		12/19/12 06:46	12/21/12 13:43	1
Bis(2-chloroethyl)ether	9.2	U	9.2	0.74	ug/L		12/19/12 06:46	12/21/12 13:43	1
Bis(2-ethylhexyl) phthalate	9.2	U	9.2	3.3	ug/L		12/19/12 06:46	12/21/12 13:43	1
Butyl benzyl phthalate	9.2	U	9.2	0.78	ug/L		12/19/12 06:46	12/21/12 13:43	1
Caprolactam	9.2	U	9.2	4.1	ug/L		12/19/12 06:46	12/21/12 13:43	1
Carbazole	9.2	U	9.2	0.55	ug/L		12/19/12 06:46	12/21/12 13:43	1
Chrysene	9.2	U	9.2	0.61	ug/L		12/19/12 06:46	12/21/12 13:43	1
Di-n-butyl phthalate	9.2	U	9.2	0.57	ug/L		12/19/12 06:46	12/21/12 13:43	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-88
Date Collected: 12/14/12 15:55
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-5
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	9.2	U	9.2	0.87	ug/L		12/19/12 06:46	12/21/12 13:43	1
Dibenz(a,h)anthracene	9.2	U	9.2	0.78	ug/L		12/19/12 06:46	12/21/12 13:43	1
Dibenzofuran	18	U	18	0.94	ug/L		12/19/12 06:46	12/21/12 13:43	1
Diethyl phthalate	9.2	U	9.2	0.41	ug/L		12/19/12 06:46	12/21/12 13:43	1
Dimethyl phthalate	9.2	U	9.2	0.67	ug/L		12/19/12 06:46	12/21/12 13:43	1
Fluoranthene	9.2	U	9.2	0.74	ug/L		12/19/12 06:46	12/21/12 13:43	1
Fluorene	9.2	U	9.2	0.67	ug/L		12/19/12 06:46	12/21/12 13:43	1
Hexachlorobenzene	9.2	U	9.2	0.94	ug/L		12/19/12 06:46	12/21/12 13:43	1
Hexachlorobutadiene	9.2	U	9.2	1.3	ug/L		12/19/12 06:46	12/21/12 13:43	1
Hexachlorocyclopentadiene	9.2	U	9.2	1.1	ug/L		12/19/12 06:46	12/21/12 13:43	1
Hexachloroethane	9.2	U	9.2	1.1	ug/L		12/19/12 06:46	12/21/12 13:43	1
Indeno(1,2,3-cd)pyrene	9.2	U	9.2	0.87	ug/L		12/19/12 06:46	12/21/12 13:43	1
Isophorone	9.2	U	9.2	0.80	ug/L		12/19/12 06:46	12/21/12 13:43	1
N-Nitrosodi-n-propylamine	9.2	U	9.2	1.0	ug/L		12/19/12 06:46	12/21/12 13:43	1
N-Nitrosodiphenylamine	9.2	U	9.2	0.94	ug/L		12/19/12 06:46	12/21/12 13:43	1
Naphthalene	9.2	U	9.2	1.4	ug/L		12/19/12 06:46	12/21/12 13:43	1
Nitrobenzene	9.2	U	9.2	0.54	ug/L		12/19/12 06:46	12/21/12 13:43	1
Pentachlorophenol	18	U	18	4.1	ug/L		12/19/12 06:46	12/21/12 13:43	1
Phenanthrene	9.2	U	9.2	0.81	ug/L		12/19/12 06:46	12/21/12 13:43	1
Phenol	9.2	U	9.2	0.72	ug/L		12/19/12 06:46	12/21/12 13:43	1
Pyrene	9.2	U	9.2	0.63	ug/L		12/19/12 06:46	12/21/12 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*52 - 132*	*12/19/12 06:46*	*12/21/12 13:43*	*1*
2-Fluorobiphenyl	*95*		*48 - 120*	*12/19/12 06:46*	*12/21/12 13:43*	*1*
2-Fluorophenol	*67*		*20 - 120*	*12/19/12 06:46*	*12/21/12 13:43*	*1*
Nitrobenzene-d5	*91*		*46 - 120*	*12/19/12 06:46*	*12/21/12 13:43*	*1*
p-Terphenyl-d14	*60*	*X*	*67 - 150*	*12/19/12 06:46*	*12/21/12 13:43*	*1*
Phenol-d5	*55*		*16 - 120*	*12/19/12 06:46*	*12/21/12 13:43*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-87 0-1'
Date Collected: 12/14/12 15:45
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-6
Matrix: Solid
Percent Solids: 82.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.98	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.1	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,2-Dichloropropane	4.3	U	4.3	2.1	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
2-Butanone (MEK)	**3.0**	**J ***	21	1.6	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Acetone	**15**	**J**	21	3.6	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Bromoform	4.3	U	4.3	2.1	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Carbon disulfide	4.3	U	4.3	2.1	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Chloroethane	4.3	U	4.3	0.97	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Chloromethane	4.3	U	4.3	0.26	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Cyclohexane	4.3	U	4.3	0.60	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Dichlorodifluoromethane	4.3	U	4.3	0.36	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Methyl acetate	4.3	U	4.3	0.80	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Methylcyclohexane	4.3	U	4.3	0.65	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Styrene	4.3	U	4.3	0.21	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Toluene	4.3	U	4.3	0.32	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Trichloroethene	4.3	U	4.3	0.95	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Vinyl chloride	4.3	U	4.3	0.52	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1
Xylenes, Total	8.6	U	8.6	0.72	ug/Kg	☼	12/17/12 22:18	12/18/12 00:15	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-87 0-1'

Date Collected: 12/14/12 15:45
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-6

Matrix: Solid
Percent Solids: 82.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*64 - 126*	*12/17/12 22:18*	*12/18/12 00:15*	*1*
Toluene-d8 (Surr)	*90*		*71 - 125*	*12/17/12 22:18*	*12/18/12 00:15*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*	*12/17/12 22:18*	*12/18/12 00:15*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	12	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
bis (2-chloroisopropyl) ether	200	U	200	21	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2,4,5-Trichlorophenol	200	U	200	43	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2,4,6-Trichlorophenol	200	U	200	13	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2,4-Dichlorophenol	200	U	200	10	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2,4-Dimethylphenol	200	U	200	54	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2,4-Dinitrophenol	390	U	390	70	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2,4-Dinitrotoluene	200	U	200	31	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2,6-Dinitrotoluene	200	U	200	49	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2-Chloronaphthalene	200	U	200	13	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2-Chlorophenol	200	U	200	10	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2-Methylnaphthalene	200	U	200	2.4	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2-Methylphenol	200	U	200	6.1	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2-Nitroaniline	390	U	390	64	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
2-Nitrophenol	200	U	200	9.1	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
3,3'-Dichlorobenzidine	200	U	200	170	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
3-Nitroaniline	390	U	390	46	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
4,6-Dinitro-2-methylphenol	390	U	390	69	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
4-Bromophenyl phenyl ether	200	U	200	63	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
4-Chloro-3-methylphenol	200	U	200	8.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
4-Chloroaniline	200	U	200	58	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
4-Chlorophenyl phenyl ether	200	U	200	4.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
4-Methylphenol	390	U	390	11	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
4-Nitroaniline	390	U	390	22	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
4-Nitrophenol	390	U	390	48	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Acenaphthene	**11**	**J**	200	2.3	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Acenaphthylene	**13**	**J**	200	1.6	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Acetophenone	200	U	200	10	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Anthracene	**33**	**J**	200	5.1	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Atrazine	200	U	200	8.9	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Benzaldehyde	200	U	200	22	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Benzo(a)anthracene	**150**	**J**	200	3.4	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Benzo(a)pyrene	**140**	**J**	200	4.8	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Benzo(b)fluoranthene	**190**	**J**	200	3.9	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Benzo(g,h,i)perylene	**34**	**J**	200	2.4	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Benzo(k)fluoranthene	**110**	**J**	200	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Bis(2-chloroethoxy)methane	200	U	200	11	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Bis(2-chloroethyl)ether	200	U	200	17	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Bis(2-ethylhexyl) phthalate	**95**	**J**	200	64	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Butyl benzyl phthalate	200	U	200	53	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Caprolactam	200	U	200	86	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Carbazole	**26**	**J**	200	2.3	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Chrysene	**170**	**J**	200	2.0	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Di-n-butyl phthalate	200	U	200	69	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-87 0-1'

Date Collected: 12/14/12 15:45
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-6

Matrix: Solid
Percent Solids: 82.4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	200	U	200	4.7	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Dibenz(a,h)anthracene	200	U	200	2.3	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Dibenzofuran	**8.1**	**J**	200	2.1	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Diethyl phthalate	200	U	200	6.0	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Dimethyl phthalate	200	U	200	5.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Fluoranthene	**380**		200	2.9	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Fluorene	**23**	**J**	200	4.6	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Hexachlorobenzene	200	U	200	9.9	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Hexachlorobutadiene	200	U	200	10	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Hexachlorocyclopentadiene	200	U	200	60	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Hexachloroethane	200	U	200	15	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Indeno(1,2,3-cd)pyrene	**31**	**J**	200	5.5	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Isophorone	200	U	200	9.9	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
N-Nitrosodi-n-propylamine	200	U	200	16	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
N-Nitrosodiphenylamine	200	U	200	11	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Naphthalene	200	U	200	3.3	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Nitrobenzene	200	U	200	8.8	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Pentachlorophenol	390	U	390	68	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Phenanthrene	**220**		200	4.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Phenol	200	U	200	21	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1
Pyrene	**290**		200	1.3	ug/Kg	☼	12/17/12 08:18	12/19/12 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*39 - 146*	*12/17/12 08:18*	*12/19/12 21:12*	*1*
2-Fluorobiphenyl	*92*		*37 - 120*	*12/17/12 08:18*	*12/19/12 21:12*	*1*
2-Fluorophenol	*78*		*18 - 120*	*12/17/12 08:18*	*12/19/12 21:12*	*1*
Nitrobenzene-d5	*85*		*34 - 132*	*12/17/12 08:18*	*12/19/12 21:12*	*1*
p-Terphenyl-d14	*89*		*65 - 153*	*12/17/12 08:18*	*12/19/12 21:12*	*1*
Phenol-d5	*85*		*11 - 120*	*12/17/12 08:18*	*12/19/12 21:12*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**370**		20	5.9	mg/Kg	☼	12/17/12 12:13	12/19/12 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*48 - 125*	*12/17/12 12:13*	*12/19/12 03:14*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	280	U	280	54	ug/Kg	☼	12/17/12 08:36	12/18/12 16:05	1
PCB-1221	280	U	280	54	ug/Kg	☼	12/17/12 08:36	12/18/12 16:05	1
PCB-1232	280	U	280	54	ug/Kg	☼	12/17/12 08:36	12/18/12 16:05	1
PCB-1242	280	U	280	54	ug/Kg	☼	12/17/12 08:36	12/18/12 16:05	1
PCB-1248	280	U	280	54	ug/Kg	☼	12/17/12 08:36	12/18/12 16:05	1
PCB-1254	280	U	280	130	ug/Kg	☼	12/17/12 08:36	12/18/12 16:05	1
PCB-1260	280	U	280	130	ug/Kg	☼	12/17/12 08:36	12/18/12 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*36 - 182*	*12/17/12 08:36*	*12/18/12 16:05*	*1*
Tetrachloro-m-xylene	*99*		*24 - 172*	*12/17/12 08:36*	*12/18/12 16:05*	*1*

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-87 0-1'

Date Collected: 12/14/12 15:45
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-6

Matrix: Solid
Percent Solids: 82.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	J	2.5	0.51	mg/Kg	☼	12/17/12 14:00	12/19/12 00:05	1
Barium	34.6		0.63	0.14	mg/Kg	☼	12/17/12 14:00	12/19/12 00:05	1
Cadmium	0.34		0.25	0.038	mg/Kg	☼	12/17/12 14:00	12/19/12 00:05	1
Chromium	8.4		0.63	0.25	mg/Kg	☼	12/17/12 14:00	12/19/12 00:05	1
Lead	16.6		1.3	0.30	mg/Kg	☼	12/17/12 14:00	12/19/12 19:20	1
Selenium	5.1	U	5.1	0.51	mg/Kg	☼	12/17/12 14:00	12/19/12 00:05	1
Silver	0.63	U	0.63	0.25	mg/Kg	☼	12/17/12 14:00	12/19/12 00:05	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052		0.023	0.0095	mg/Kg	☼	12/18/12 10:40	12/18/12 12:15	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-88 20'

Date Collected: 12/14/12 15:30
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-7

Matrix: Solid
Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.80	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,1,2-Trichloroethane	5.0	U	5.0	0.64	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,1-Dichloroethane	5.0	U	5.0	0.60	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,3-Dichlorobenzene	5.0	U	5.0	0.25	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
1,4-Dichlorobenzene	5.0	U	5.0	0.69	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
2-Butanone (MEK)	25	U *	25	1.8	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Acetone	**15**	**J**	25	4.2	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Benzene	5.0	U	5.0	0.24	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Bromodichloromethane	5.0	U	5.0	0.66	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Chlorobenzene	5.0	U	5.0	0.65	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Dibromochloromethane	5.0	U	5.0	0.63	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.63	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.71	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Cyclohexane	5.0	U	5.0	0.69	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Ethylbenzene	5.0	U	5.0	0.34	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Methyl acetate	5.0	U	5.0	0.92	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Methylcyclohexane	5.0	U	5.0	0.75	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Toluene	5.0	U	5.0	0.37	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.51	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Vinyl chloride	5.0	U	5.0	0.60	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1
Xylenes, Total	9.9	U	9.9	0.83	ug/Kg	☼	12/17/12 22:18	12/18/12 00:40	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-88 20'

Date Collected: 12/14/12 15:30
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-7

Matrix: Solid
Percent Solids: 89.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*12/17/12 22:18*	*12/18/12 00:40*	*1*
Toluene-d8 (Surr)	*91*		*71 - 125*	*12/17/12 22:18*	*12/18/12 00:40*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 126*	*12/17/12 22:18*	*12/18/12 00:40*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	12	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
bis (2-chloroisopropyl) ether	190	U	190	19	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2,4,5-Trichlorophenol	190	U	190	40	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2,4,6-Trichlorophenol	190	U	190	12	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2,4-Dichlorophenol	190	U	190	9.7	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2,4-Dimethylphenol	190	U	190	50	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2,4-Dinitrophenol	360	U	360	65	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2,4-Dinitrotoluene	190	U	190	29	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2,6-Dinitrotoluene	190	U	190	45	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2-Chloronaphthalene	190	U	190	12	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2-Chlorophenol	190	U	190	9.4	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2-Methylnaphthalene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2-Methylphenol	190	U	190	5.7	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2-Nitroaniline	360	U	360	59	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
2-Nitrophenol	190	U	190	8.5	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
3,3'-Dichlorobenzidine	190	U	190	160	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
3-Nitroaniline	360	U	360	43	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
4,6-Dinitro-2-methylphenol	360	U	360	64	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
4-Bromophenyl phenyl ether	190	U	190	59	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
4-Chloro-3-methylphenol	190	U	190	7.6	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
4-Chloroaniline	190	U	190	54	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
4-Chlorophenyl phenyl ether	190	U	190	3.9	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
4-Nitroaniline	360	U	360	21	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
4-Nitrophenol	360	U	360	45	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Acenaphthene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Acenaphthylene	190	U	190	1.5	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Acetophenone	190	U	190	9.5	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Anthracene	190	U	190	4.7	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Atrazine	190	U	190	8.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Benzaldehyde	190	U	190	20	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Benzo(a)anthracene	190	U	190	3.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Benzo(a)pyrene	190	U	190	4.5	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Benzo(b)fluoranthene	190	U	190	3.6	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Benzo(g,h,i)perylene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Benzo(k)fluoranthene	190	U	190	2.0	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Bis(2-chloroethyl)ether	190	U	190	16	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Bis(2-ethylhexyl) phthalate	190	U	190	60	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Butyl benzyl phthalate	190	U	190	50	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Caprolactam	190	U	190	80	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Carbazole	190	U	190	2.1	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Chrysene	**4.6**	**J**	190	1.9	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Di-n-butyl phthalate	190	U	190	64	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1

Client Sample ID: PH-88 20'

Date Collected: 12/14/12 15:30
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-7

Matrix: Solid
Percent Solids: 89.9

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	190	U	190	4.3	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Dibenz(a,h)anthracene	190	U	190	2.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Dibenzofuran	190	U	190	1.9	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Diethyl phthalate	190	U	190	5.6	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Dimethyl phthalate	190	U	190	4.8	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Fluoranthene	190	U	190	2.7	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Fluorene	190	U	190	4.3	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Hexachlorobenzene	190	U	190	9.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Hexachlorobutadiene	190	U	190	9.5	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Hexachlorocyclopentadiene	190	U	190	56	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Hexachloroethane	190	U	190	14	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.1	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Isophorone	190	U	190	9.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
N-Nitrosodiphenylamine	190	U	190	10	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Naphthalene	190	U	190	3.1	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Nitrobenzene	190	U	190	8.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Pentachlorophenol	360	U	360	63	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Phenanthrene	190	U	190	3.9	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Phenol	190	U	190	19	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1
Pyrene	190	U	190	1.2	ug/Kg	☼	12/17/12 08:18	12/19/12 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*39 - 146*	*12/17/12 08:18*	*12/19/12 21:37*	*1*
2-Fluorobiphenyl	*88*		*37 - 120*	*12/17/12 08:18*	*12/19/12 21:37*	*1*
2-Fluorophenol	*60*		*18 - 120*	*12/17/12 08:18*	*12/19/12 21:37*	*1*
Nitrobenzene-d5	*86*		*34 - 132*	*12/17/12 08:18*	*12/19/12 21:37*	*1*
p-Terphenyl-d14	*91*		*65 - 153*	*12/17/12 08:18*	*12/19/12 21:37*	*1*
Phenol-d5	*85*		*11 - 120*	*12/17/12 08:18*	*12/19/12 21:37*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**6.1**	**J**	18	5.5	mg/Kg	☼	12/17/12 12:13	12/19/12 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*48 - 125*	*12/17/12 12:13*	*12/19/12 04:21*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 16:20	1
PCB-1221	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 16:20	1
PCB-1232	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 16:20	1
PCB-1242	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 16:20	1
PCB-1248	250	U	250	50	ug/Kg	☼	12/17/12 08:36	12/18/12 16:20	1
PCB-1254	250	U	250	120	ug/Kg	☼	12/17/12 08:36	12/18/12 16:20	1
PCB-1260	250	U	250	120	ug/Kg	☼	12/17/12 08:36	12/18/12 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*36 - 182*	*12/17/12 08:36*	*12/18/12 16:20*	*1*
Tetrachloro-m-xylene	*121*		*24 - 172*	*12/17/12 08:36*	*12/18/12 16:20*	*1*

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-88 20'
Date Collected: 12/14/12 15:30
Date Received: 12/15/12 07:00

Lab Sample ID: 480-30303-7
Matrix: Solid
Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		2.3	0.45	mg/Kg	☼	12/17/12 14:00	12/19/12 00:07	1
Barium	47.4		0.57	0.12	mg/Kg	☼	12/17/12 14:00	12/19/12 00:07	1
Cadmium	0.10	J	0.23	0.034	mg/Kg	☼	12/17/12 14:00	12/19/12 00:07	1
Chromium	5.1		0.57	0.23	mg/Kg	☼	12/17/12 14:00	12/19/12 00:07	1
Lead	3.9		1.1	0.27	mg/Kg	☼	12/17/12 14:00	12/19/12 19:22	1
Selenium	4.5	U	4.5	0.45	mg/Kg	☼	12/17/12 14:00	12/19/12 00:07	1
Silver	0.57	U	0.57	0.23	mg/Kg	☼	12/17/12 14:00	12/19/12 00:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0086	mg/Kg	☼	12/18/12 10:40	12/18/12 12:17	1

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(64-126)	(71-125)	(72-126)
480-30303-6	PH-87 0-1'	94	90	89
480-30303-7	PH-88 20'	100	91	90
LCS 480-96248/5	Lab Control Sample	93	92	89
MB 480-96248/8	Method Blank	96	96	92

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-30303-4	PH-87	108	110	104
480-30303-5	PH-88	107	110	105
LCS 480-97085/4	Lab Control Sample	100	107	105
MB 480-97085/5	Method Blank	103	109	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(39-146)	(37-120)	(18-120)	(34-132)	(65-153)	(11-120)
480-30303-6	PH-87 0-1'	96	92	78	85	89	85
480-30303-7	PH-88 20'	91	88	60	86	91	85
LCS 480-96093/2-A	Lab Control Sample	103	97	86	95	104	93
MB 480-96093/1-A	Method Blank	99	100	93	97	107	100

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(52-132)	(48-120)	(20-120)	(46-120)	(67-150)	(16-120)
480-30303-1	PH-83	101	96	53	96	57 X	38
480-30303-2	PH-84	96	98	58	95	60 X	44
480-30303-3	PH-85	106	97	49	95	74	34
480-30303-4	PH-87	107	97	58	95	61 X	44
480-30303-5	PH-88	105	95	67	91	60 X	55
LCS 480-96514/2-A	Lab Control Sample	108	98	59	97	106	43
LCSD 480-96514/3-A	Lab Control Sample Dup	108	97	56	95	105	40
MB 480-96514/1-A	Method Blank	102	97	56	95	105	39

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH1
Lab Sample ID	Client Sample ID	(48-125)
480-30303-6	PH-87 0-1'	88
480-30303-7	PH-88 20'	79
LCS 480-96163/2-A	Lab Control Sample	94
MB 480-96163/1-A	Method Blank	76

Surrogate Legend

OTPH = o-Terphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(36-182)	(24-172)
480-30303-6	PH-87 0-1'	92	99
480-30303-7	PH-88 20'	105	121
LCS 480-96097/2-A	Lab Control Sample	156	171
MB 480-96097/1-A	Method Blank	134	144

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-96248/8
Matrix: Solid
Analysis Batch: 96248

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg			12/17/12 23:08	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg			12/17/12 23:08	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg			12/17/12 23:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg			12/17/12 23:08	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg			12/17/12 23:08	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg			12/17/12 23:08	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg			12/17/12 23:08	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg			12/17/12 23:08	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg			12/17/12 23:08	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg			12/17/12 23:08	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg			12/17/12 23:08	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg			12/17/12 23:08	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg			12/17/12 23:08	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg			12/17/12 23:08	1
2-Hexanone	25	U	25	2.5	ug/Kg			12/17/12 23:08	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg			12/17/12 23:08	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg			12/17/12 23:08	1
Acetone	25	U	25	4.2	ug/Kg			12/17/12 23:08	1
Benzene	5.0	U	5.0	0.25	ug/Kg			12/17/12 23:08	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg			12/17/12 23:08	1
Bromoform	5.0	U	5.0	2.5	ug/Kg			12/17/12 23:08	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg			12/17/12 23:08	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg			12/17/12 23:08	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg			12/17/12 23:08	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg			12/17/12 23:08	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg			12/17/12 23:08	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg			12/17/12 23:08	1
Chloroform	5.0	U	5.0	0.31	ug/Kg			12/17/12 23:08	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg			12/17/12 23:08	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg			12/17/12 23:08	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg			12/17/12 23:08	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg			12/17/12 23:08	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg			12/17/12 23:08	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg			12/17/12 23:08	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg			12/17/12 23:08	1
Methyl acetate	5.0	U	5.0	0.93	ug/Kg			12/17/12 23:08	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg			12/17/12 23:08	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg			12/17/12 23:08	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg			12/17/12 23:08	1
Styrene	5.0	U	5.0	0.25	ug/Kg			12/17/12 23:08	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg			12/17/12 23:08	1
Toluene	5.0	U	5.0	0.38	ug/Kg			12/17/12 23:08	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg			12/17/12 23:08	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg			12/17/12 23:08	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg			12/17/12 23:08	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg			12/17/12 23:08	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg			12/17/12 23:08	1
Xylenes, Total	10	U	10	0.84	ug/Kg			12/17/12 23:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-96248/8
Matrix: Solid
Analysis Batch: 96248

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		64 - 126		12/17/12 23:08	1
Toluene-d8 (Surr)	96		71 - 125		12/17/12 23:08	1
4-Bromofluorobenzene (Surr)	92		72 - 126		12/17/12 23:08	1

Lab Sample ID: LCS 480-96248/5
Matrix: Solid
Analysis Batch: 96248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	56.7		ug/Kg		113	73 - 126
1,1-Dichloroethene	50.0	58.3		ug/Kg		117	59 - 125
1,2-Dichlorobenzene	50.0	52.0		ug/Kg		104	75 - 120
1,2-Dichloroethane	50.0	52.9		ug/Kg		106	77 - 122
Benzene	50.0	54.4		ug/Kg		109	79 - 127
Chlorobenzene	50.0	52.6		ug/Kg		105	76 - 124
cis-1,2-Dichloroethene	50.0	55.1		ug/Kg		110	81 - 117
Ethylbenzene	50.0	54.3		ug/Kg		109	80 - 120
Methyl tert-butyl ether	50.0	53.9		ug/Kg		108	63 - 125
Tetrachloroethene	50.0	58.1		ug/Kg		116	74 - 122
Toluene	50.0	52.6		ug/Kg		105	74 - 128
trans-1,2-Dichloroethene	50.0	55.7		ug/Kg		111	78 - 126
Trichloroethene	50.0	56.7		ug/Kg		113	77 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		64 - 126
Toluene-d8 (Surr)	92		71 - 125
4-Bromofluorobenzene (Surr)	89		72 - 126

Lab Sample ID: MB 480-97085/5
Matrix: Water
Analysis Batch: 97085

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			12/21/12 12:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			12/21/12 12:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			12/21/12 12:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/21/12 12:52	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			12/21/12 12:52	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			12/21/12 12:52	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			12/21/12 12:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			12/21/12 12:52	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			12/21/12 12:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			12/21/12 12:52	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/21/12 12:52	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			12/21/12 12:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			12/21/12 12:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			12/21/12 12:52	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			12/21/12 12:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-97085/5
Matrix: Water
Analysis Batch: 97085

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	10	U	10	1.3	ug/L			12/21/12 12:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			12/21/12 12:52	1
Acetone	10	U	10	3.0	ug/L			12/21/12 12:52	1
Benzene	1.0	U	1.0	0.41	ug/L			12/21/12 12:52	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			12/21/12 12:52	1
Bromoform	1.0	U	1.0	0.26	ug/L			12/21/12 12:52	1
Bromomethane	1.0	U	1.0	0.69	ug/L			12/21/12 12:52	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			12/21/12 12:52	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			12/21/12 12:52	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			12/21/12 12:52	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			12/21/12 12:52	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/21/12 12:52	1
Chloroform	1.0	U	1.0	0.34	ug/L			12/21/12 12:52	1
Chloromethane	1.0	U	1.0	0.35	ug/L			12/21/12 12:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			12/21/12 12:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			12/21/12 12:52	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			12/21/12 12:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			12/21/12 12:52	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			12/21/12 12:52	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			12/21/12 12:52	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			12/21/12 12:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			12/21/12 12:52	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			12/21/12 12:52	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			12/21/12 12:52	1
Styrene	1.0	U	1.0	0.73	ug/L			12/21/12 12:52	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			12/21/12 12:52	1
Toluene	1.0	U	1.0	0.51	ug/L			12/21/12 12:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			12/21/12 12:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			12/21/12 12:52	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			12/21/12 12:52	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			12/21/12 12:52	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			12/21/12 12:52	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			12/21/12 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*12/21/12 12:52*	*1*
Toluene-d8 (Surr)	*109*		*71 - 126*		*12/21/12 12:52*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/21/12 12:52*	*1*

Lab Sample ID: LCS 480-97085/4
Matrix: Water
Analysis Batch: 97085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	25.1		ug/L		100	71 - 129
1,1-Dichloroethene	25.0	26.5		ug/L		106	58 - 121
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-97085/4
Matrix: Water
Analysis Batch: 97085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.3		ug/L		105	71 - 124
Chlorobenzene	25.0	27.3		ug/L		109	72 - 120
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124
Ethylbenzene	25.0	26.9		ug/L		108	77 - 123
Methyl tert-butyl ether	25.0	26.4		ug/L		105	64 - 127
Tetrachloroethene	25.0	26.6		ug/L		106	74 - 122
Toluene	25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
Trichloroethene	25.0	26.2		ug/L		105	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*107*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-96093/1-A
Matrix: Solid
Analysis Batch: 96574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	170	U	170	10	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
bis (2-chloroisopropyl) ether	170	U	170	17	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2,4,5-Trichlorophenol	170	U	170	36	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2,4,6-Trichlorophenol	170	U	170	11	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2,4-Dichlorophenol	170	U	170	8.7	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2,4-Dimethylphenol	170	U	170	45	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2,4-Dinitrophenol	320	U	320	58	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2,4-Dinitrotoluene	170	U	170	26	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2,6-Dinitrotoluene	170	U	170	40	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2-Chloronaphthalene	170	U	170	11	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2-Chlorophenol	170	U	170	8.4	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2-Methylnaphthalene	170	U	170	2.0	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2-Methylphenol	170	U	170	5.1	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2-Nitroaniline	320	U	320	53	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
2-Nitrophenol	170	U	170	7.6	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
3,3'-Dichlorobenzidine	170	U	170	140	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
3-Nitroaniline	320	U	320	38	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
4,6-Dinitro-2-methylphenol	320	U	320	57	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
4-Bromophenyl phenyl ether	170	U	170	53	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
4-Chloro-3-methylphenol	170	U	170	6.8	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
4-Chloroaniline	170	U	170	49	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
4-Chlorophenyl phenyl ether	170	U	170	3.5	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
4-Methylphenol	320	U	320	9.2	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
4-Nitroaniline	320	U	320	18	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
4-Nitrophenol	320	U	320	40	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Acenaphthene	170	U	170	1.9	ug/Kg		12/17/12 08:18	12/19/12 11:06	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-96093/1-A
Matrix: Solid
Analysis Batch: 96574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	170	U	170	1.4	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Acetophenone	170	U	170	8.5	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Anthracene	170	U	170	4.2	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Atrazine	170	U	170	7.4	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Benzaldehyde	170	U	170	18	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Benzo(a)anthracene	170	U	170	2.9	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Benzo(a)pyrene	170	U	170	4.0	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Benzo(b)fluoranthene	170	U	170	3.2	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Benzo(g,h,i)perylene	170	U	170	2.0	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Benzo(k)fluoranthene	170	U	170	1.8	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Bis(2-chloroethoxy)methane	170	U	170	9.0	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Bis(2-chloroethyl)ether	170	U	170	14	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Bis(2-ethylhexyl) phthalate	170	U	170	53	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Butyl benzyl phthalate	170	U	170	44	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Caprolactam	170	U	170	72	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Carbazole	170	U	170	1.9	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Chrysene	170	U	170	1.7	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Di-n-butyl phthalate	170	U	170	57	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Di-n-octyl phthalate	170	U	170	3.9	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Dibenz(a,h)anthracene	170	U	170	1.9	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Dibenzofuran	170	U	170	1.7	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Diethyl phthalate	170	U	170	5.0	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Dimethyl phthalate	170	U	170	4.3	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Fluoranthene	170	U	170	2.4	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Fluorene	170	U	170	3.8	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Hexachlorobenzene	170	U	170	8.2	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Hexachlorobutadiene	170	U	170	8.5	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Hexachlorocyclopentadiene	170	U	170	50	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Hexachloroethane	170	U	170	13	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Indeno(1,2,3-cd)pyrene	170	U	170	4.6	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Isophorone	170	U	170	8.3	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
N-Nitrosodi-n-propylamine	170	U	170	13	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
N-Nitrosodiphenylamine	170	U	170	9.0	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Naphthalene	170	U	170	2.8	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Nitrobenzene	170	U	170	7.3	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Pentachlorophenol	320	U	320	57	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Phenanthrene	170	U	170	3.5	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Phenol	170	U	170	17	ug/Kg		12/17/12 08:18	12/19/12 11:06	1
Pyrene	170	U	170	1.1	ug/Kg		12/17/12 08:18	12/19/12 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*39 - 146*	*12/17/12 08:18*	*12/19/12 11:06*	*1*
2-Fluorobiphenyl	*100*		*37 - 120*	*12/17/12 08:18*	*12/19/12 11:06*	*1*
2-Fluorophenol	*93*		*18 - 120*	*12/17/12 08:18*	*12/19/12 11:06*	*1*
Nitrobenzene-d5	*97*		*34 - 132*	*12/17/12 08:18*	*12/19/12 11:06*	*1*
p-Terphenyl-d14	*107*		*65 - 153*	*12/17/12 08:18*	*12/19/12 11:06*	*1*
Phenol-d5	*100*		*11 - 120*	*12/17/12 08:18*	*12/19/12 11:06*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-96093/2-A
Matrix: Solid
Analysis Batch: 96574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1630	1650		ug/Kg		101	55 - 125
2-Chlorophenol	1630	1430		ug/Kg		88	38 - 120
4-Chloro-3-methylphenol	1630	1620		ug/Kg		99	49 - 125
4-Nitrophenol	1630	1580		ug/Kg		97	43 - 137
Acenaphthene	1630	1610		ug/Kg		99	53 - 120
Bis(2-ethylhexyl) phthalate	1630	1650		ug/Kg		101	61 - 133
Fluorene	1630	1680		ug/Kg		103	63 - 126
Hexachloroethane	1630	1330		ug/Kg		82	41 - 120
N-Nitrosodi-n-propylamine	1630	1510		ug/Kg		93	46 - 120
Pentachlorophenol	1630	1370		ug/Kg		84	33 - 136
Phenol	1630	1490		ug/Kg		92	36 - 120
Pyrene	1630	1790		ug/Kg		110	51 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*103*		*39 - 146*
2-Fluorobiphenyl	*97*		*37 - 120*
2-Fluorophenol	*86*		*18 - 120*
Nitrobenzene-d5	*95*		*34 - 132*
p-Terphenyl-d14	*104*		*65 - 153*
Phenol-d5	*93*		*11 - 120*

Lab Sample ID: MB 480-96514/1-A
Matrix: Water
Analysis Batch: 96858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96514

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.0	U	5.0	0.65	ug/L		12/19/12 06:46	12/20/12 14:16	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		12/19/12 06:46	12/20/12 14:16	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		12/19/12 06:46	12/20/12 14:16	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		12/19/12 06:46	12/20/12 14:16	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		12/19/12 06:46	12/20/12 14:16	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		12/19/12 06:46	12/20/12 14:16	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		12/19/12 06:46	12/20/12 14:16	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		12/19/12 06:46	12/20/12 14:16	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		12/19/12 06:46	12/20/12 14:16	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		12/19/12 06:46	12/20/12 14:16	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		12/19/12 06:46	12/20/12 14:16	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		12/19/12 06:46	12/20/12 14:16	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		12/19/12 06:46	12/20/12 14:16	1
2-Nitroaniline	10	U	10	0.42	ug/L		12/19/12 06:46	12/20/12 14:16	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		12/19/12 06:46	12/20/12 14:16	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		12/19/12 06:46	12/20/12 14:16	1
3-Nitroaniline	10	U	10	0.48	ug/L		12/19/12 06:46	12/20/12 14:16	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		12/19/12 06:46	12/20/12 14:16	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		12/19/12 06:46	12/20/12 14:16	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		12/19/12 06:46	12/20/12 14:16	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		12/19/12 06:46	12/20/12 14:16	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		12/19/12 06:46	12/20/12 14:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-96514/1-A
Matrix: Water
Analysis Batch: 96858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96514

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	10	U	10	0.36	ug/L		12/19/12 06:46	12/20/12 14:16	1
4-Nitroaniline	10	U	10	0.25	ug/L		12/19/12 06:46	12/20/12 14:16	1
4-Nitrophenol	10	U	10	1.5	ug/L		12/19/12 06:46	12/20/12 14:16	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		12/19/12 06:46	12/20/12 14:16	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		12/19/12 06:46	12/20/12 14:16	1
Acetophenone	5.0	U	5.0	0.54	ug/L		12/19/12 06:46	12/20/12 14:16	1
Anthracene	5.0	U	5.0	0.28	ug/L		12/19/12 06:46	12/20/12 14:16	1
Atrazine	5.0	U	5.0	0.46	ug/L		12/19/12 06:46	12/20/12 14:16	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		12/19/12 06:46	12/20/12 14:16	1
Benzo(a)anthracene	5.0	U	5.0	0.36	ug/L		12/19/12 06:46	12/20/12 14:16	1
Benzo(a)pyrene	5.0	U	5.0	0.47	ug/L		12/19/12 06:46	12/20/12 14:16	1
Benzo(b)fluoranthene	5.0	U	5.0	0.34	ug/L		12/19/12 06:46	12/20/12 14:16	1
Benzo(g,h,i)perylene	5.0	U	5.0	0.35	ug/L		12/19/12 06:46	12/20/12 14:16	1
Benzo(k)fluoranthene	5.0	U	5.0	0.73	ug/L		12/19/12 06:46	12/20/12 14:16	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		12/19/12 06:46	12/20/12 14:16	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		12/19/12 06:46	12/20/12 14:16	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	1.8	ug/L		12/19/12 06:46	12/20/12 14:16	1
Butyl benzyl phthalate	5.0	U	5.0	0.42	ug/L		12/19/12 06:46	12/20/12 14:16	1
Caprolactam	5.0	U	5.0	2.2	ug/L		12/19/12 06:46	12/20/12 14:16	1
Carbazole	5.0	U	5.0	0.30	ug/L		12/19/12 06:46	12/20/12 14:16	1
Chrysene	5.0	U	5.0	0.33	ug/L		12/19/12 06:46	12/20/12 14:16	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		12/19/12 06:46	12/20/12 14:16	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		12/19/12 06:46	12/20/12 14:16	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		12/19/12 06:46	12/20/12 14:16	1
Dibenzofuran	10	U	10	0.51	ug/L		12/19/12 06:46	12/20/12 14:16	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		12/19/12 06:46	12/20/12 14:16	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		12/19/12 06:46	12/20/12 14:16	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		12/19/12 06:46	12/20/12 14:16	1
Fluorene	5.0	U	5.0	0.36	ug/L		12/19/12 06:46	12/20/12 14:16	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		12/19/12 06:46	12/20/12 14:16	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		12/19/12 06:46	12/20/12 14:16	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		12/19/12 06:46	12/20/12 14:16	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		12/19/12 06:46	12/20/12 14:16	1
Indeno(1,2,3-cd)pyrene	5.0	U	5.0	0.47	ug/L		12/19/12 06:46	12/20/12 14:16	1
Isophorone	5.0	U	5.0	0.43	ug/L		12/19/12 06:46	12/20/12 14:16	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		12/19/12 06:46	12/20/12 14:16	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		12/19/12 06:46	12/20/12 14:16	1
Naphthalene	5.0	U	5.0	0.76	ug/L		12/19/12 06:46	12/20/12 14:16	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		12/19/12 06:46	12/20/12 14:16	1
Pentachlorophenol	10	U	10	2.2	ug/L		12/19/12 06:46	12/20/12 14:16	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		12/19/12 06:46	12/20/12 14:16	1
Phenol	5.0	U	5.0	0.39	ug/L		12/19/12 06:46	12/20/12 14:16	1
Pyrene	5.0	U	5.0	0.34	ug/L		12/19/12 06:46	12/20/12 14:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*102*		*52 - 132*	*12/19/12 06:46*	*12/20/12 14:16*	*1*
2-Fluorobiphenyl	*97*		*48 - 120*	*12/19/12 06:46*	*12/20/12 14:16*	*1*
2-Fluorophenol	*56*		*20 - 120*	*12/19/12 06:46*	*12/20/12 14:16*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-96514/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 96858 — **Prep Batch: 96514**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	95		46 - 120	12/19/12 06:46	12/20/12 14:16	1
p-Terphenyl-d14	105		67 - 150	12/19/12 06:46	12/20/12 14:16	1
Phenol-d5	39		16 - 120	12/19/12 06:46	12/20/12 14:16	1

Lab Sample ID: LCS 480-96514/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 96858 — **Prep Batch: 96514**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	100	103		ug/L		103	65 - 154
2-Chlorophenol	100	90.7		ug/L		91	48 - 120
4-Chloro-3-methylphenol	100	101		ug/L		101	64 - 120
4-Nitrophenol	100	49.6		ug/L		50	16 - 120
Acenaphthene	100	100		ug/L		100	60 - 120
Bis(2-ethylhexyl) phthalate	100	111		ug/L		111	53 - 158
Fluorene	100	104		ug/L		104	55 - 143
Hexachloroethane	100	77.2		ug/L		77	14 - 101
N-Nitrosodi-n-propylamine	100	98.7		ug/L		99	56 - 120
Pentachlorophenol	100	102		ug/L		102	39 - 136
Phenol	100	44.9		ug/L		45	17 - 120
Pyrene	100	110		ug/L		110	58 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	108		52 - 132
2-Fluorobiphenyl	98		48 - 120
2-Fluorophenol	59		20 - 120
Nitrobenzene-d5	97		46 - 120
p-Terphenyl-d14	106		67 - 150
Phenol-d5	43		16 - 120

Lab Sample ID: LCSD 480-96514/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 96858 — **Prep Batch: 96514**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	100	105		ug/L		105	65 - 154	3	20
2-Chlorophenol	100	85.7		ug/L		86	48 - 120	6	25
4-Chloro-3-methylphenol	100	98.5		ug/L		99	64 - 120	3	27
4-Nitrophenol	100	46.7		ug/L		47	16 - 120	6	48
Acenaphthene	100	99.9		ug/L		100	60 - 120	0	24
Bis(2-ethylhexyl) phthalate	100	111		ug/L		111	53 - 158	0	15
Fluorene	100	104		ug/L		104	55 - 143	0	15
Hexachloroethane	100	73.1		ug/L		73	14 - 101	5	46
N-Nitrosodi-n-propylamine	100	97.2		ug/L		97	56 - 120	2	31
Pentachlorophenol	100	103		ug/L		103	39 - 136	2	37
Phenol	100	41.1		ug/L		41	17 - 120	9	34
Pyrene	100	109		ug/L		109	58 - 136	1	19

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-96514/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 96858 — **Prep Batch: 96514**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	108		52 - 132
2-Fluorobiphenyl	97		48 - 120
2-Fluorophenol	56		20 - 120
Nitrobenzene-d5	95		46 - 120
p-Terphenyl-d14	105		67 - 150
Phenol-d5	40		16 - 120

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-96163/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96413 — **Prep Batch: 96163**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	16	U	16	4.9	mg/Kg		12/17/12 12:13	12/18/12 16:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		48 - 125	12/17/12 12:13	12/18/12 16:00	1

Lab Sample ID: LCS 480-96163/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96413 — **Prep Batch: 96163**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			49.4	49.2		mg/Kg		100	48 - 135		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	94		48 - 125

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-96097/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96282 — **Prep Batch: 96097**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1221	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1232	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1242	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1248	220	U	220	42	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1254	220	U	220	100	ug/Kg		12/17/12 08:36	12/18/12 08:17	1
PCB-1260	220	U	220	100	ug/Kg		12/17/12 08:36	12/18/12 08:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	134		36 - 182	12/17/12 08:36	12/18/12 08:17	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-96097/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96282 — **Prep Batch: 96097**

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*144*		*24 - 172*	*12/17/12 08:36*	*12/18/12 08:17*	*1*

Lab Sample ID: LCS 480-96097/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96282 — **Prep Batch: 96097**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2400	3740		ug/Kg		156	51 - 185
PCB-1260	2400	3000		ug/Kg		125	61 - 184

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*156*		*36 - 182*
Tetrachloro-m-xylene	*171*		*24 - 172*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-96161/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96528 — **Prep Batch: 96161**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	U	1.9	0.39	mg/Kg		12/17/12 14:00	12/18/12 23:05	1
Barium	0.48	U	0.48	0.11	mg/Kg		12/17/12 14:00	12/18/12 23:05	1
Cadmium	0.19	U	0.19	0.029	mg/Kg		12/17/12 14:00	12/18/12 23:05	1
Chromium	0.48	U	0.48	0.19	mg/Kg		12/17/12 14:00	12/18/12 23:05	1
Selenium	0.408	J	3.9	0.39	mg/Kg		12/17/12 14:00	12/18/12 23:05	1
Silver	0.48	U	0.48	0.19	mg/Kg		12/17/12 14:00	12/18/12 23:05	1

Lab Sample ID: MB 480-96161/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96773 — **Prep Batch: 96161**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.96	U	0.96	0.23	mg/Kg		12/17/12 14:00	12/19/12 18:22	1

Lab Sample ID: LCDSRM 480-96161/3-A LCDSRM — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96528 — **Prep Batch: 96161**

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	94.2	85.45		mg/Kg		90.7	82.2 - 117.5	11	20
Barium	166	138.5		mg/Kg		83.7	83.1 - 116.3	14	20
Cadmium	59.7	56.15		mg/Kg		94.0	84.0 - 115.9	9	20
Chromium	69.1	61.02		mg/Kg		88.3	81.4 - 118.6	7	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-96161/3-A LCDSRM — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96528 — **Prep Batch: 96161**

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Selenium	159	145.1		mg/Kg		91.5	79.2 - 120.8	10	20
Silver	33.8	29.65		mg/Kg		87.7	66.4 - 133.9	10	20

Lab Sample ID: LCDSRM 480-96161/3-A LCDSRM — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96773 — **Prep Batch: 96161**

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	91.4	85.83		mg/Kg		93.9	82.4 - 117.8	7	20

Lab Sample ID: LCSSRM 480-96161/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96528 — **Prep Batch: 96161**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	94.8	95.79		mg/Kg		101.0	82.2 - 117.5
Barium	167	159.1		mg/Kg		95.5	83.1 - 116.3
Cadmium	60.1	61.27		mg/Kg		101.9	84.0 - 115.9
Chromium	69.6	65.17		mg/Kg		93.7	81.4 - 118.6
Selenium	160	160.7		mg/Kg		100.7	79.2 - 120.8
Silver	34.0	32.86		mg/Kg		96.6	66.4 - 133.9

Lab Sample ID: LCSSRM 480-96161/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96773 — **Prep Batch: 96161**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	92.0	92.36		mg/Kg		100.4	82.4 - 117.8

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-96351/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96394 — **Prep Batch: 96351**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0074	mg/Kg		12/18/12 10:40	12/18/12 11:45	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCDSRM 480-96351/3-A LCDSRM — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96394 — **Prep Batch: 96351**

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			3.77	3.05		mg/Kg		80.9	50.9 - 149.1	8	20

Lab Sample ID: LCSSRM 480-96351/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96394 — **Prep Batch: 96351**

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			3.77	2.83		mg/Kg		75.0	50.9 - 149.1		

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

GC/MS eVA

Ana9sis PatcpBh: 958

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	8260B	96264
480-30303-7	PH-88 20'	Total/NA	Solid	8260B	96264
LCS 480-96248/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-96248/8	Method Blank	Total/NA	Solid	8260B	

DrbL PatcpBh: 9: 5

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	5035	
480-30303-7	PH-88 20'	Total/NA	Solid	5035	

Ana9sis PatcpBh6184

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-4	PH-87	Total/NA	Water	8260B	
480-30303-5	PH-88	Total/NA	Water	8260B	
LCS 480-97085/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-97085/5	Method Blank	Total/NA	Water	8260B	

GC/MS Sbmi eVA

DrbL PatcpBh: 1h7

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	3550B	
480-30303-7	PH-88 20'	Total/NA	Solid	3550B	
LCS 480-96093/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-96093/1-A	Method Blank	Total/NA	Solid	3550B	

DrbL PatcpBh: 405

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-1	PH-83	Total/NA	Water	3510C	
480-30303-2	PH-84	Total/NA	Water	3510C	
480-30303-3	PH-85	Total/NA	Water	3510C	
480-30303-4	PH-87	Total/NA	Water	3510C	
480-30303-5	PH-88	Total/NA	Water	3510C	
LCS 480-96514/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-96514/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 480-96514/1-A	Method Blank	Total/NA	Water	3510C	

Ana9sis PatcpBh: 465

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	8270C	96093
480-30303-7	PH-88 20'	Total/NA	Solid	8270C	96093
LCS 480-96093/2-A	Lab Control Sample	Total/NA	Solid	8270C	96093
MB 480-96093/1-A	Method Blank	Total/NA	Solid	8270C	96093

Ana9sis PatcpBh: 848

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-1	PH-83	Total/NA	Water	8270C	96514
480-30303-2	PH-84	Total/NA	Water	8270C	96514
480-30303-3	PH-85	Total/NA	Water	8270C	96514
480-30303-4	PH-87	Total/NA	Water	8270C	96514

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

GC/MS Sbmi eVA (Continubd)

Ana9sis PatcpBh: 848 (Continubd)

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
LCS 480-96514/2-A	Lab Control Sample	Total/NA	Water	8270C	96514
LCSD 480-96514/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	96514
MB 480-96514/1-A	Method Blank	Total/NA	Water	8270C	96514

Ana9sis PatcpBh: h0h

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-5	PH-88	Total/NA	Water	8270C	96514

GC Sbmi eVA

DrbL PatcpBh: 1h6

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	3550B	
480-30303-7	PH-88 20'	Total/NA	Solid	3550B	
LCS 480-96097/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-96097/1-A	Method Blank	Total/NA	Solid	3550B	

DrbL PatcpBh: 0: 7

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	3550B	
480-30303-7	PH-88 20'	Total/NA	Solid	3550B	
LCS 480-96163/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-96163/1-A	Method Blank	Total/NA	Solid	3550B	

Ana9sis PatcpBh: 989

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	8082	96097
480-30303-7	PH-88 20'	Total/NA	Solid	8082	96097
LCS 480-96097/2-A	Lab Control Sample	Total/NA	Solid	8082	96097
MB 480-96097/1-A	Method Blank	Total/NA	Solid	8082	96097

Ana9sis PatcpBh: 507

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	8015B	96163
480-30303-7	PH-88 20'	Total/NA	Solid	8015B	96163
LCS 480-96163/2-A	Lab Control Sample	Total/NA	Solid	8015B	96163
MB 480-96163/1-A	Method Blank	Total/NA	Solid	8015B	96163

Mbta6

DrbL PatcpBh: 0: 0

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	3050B	
480-30303-7	PH-88 20'	Total/NA	Solid	3050B	
LCDSRM 480-96161/3-A LCDSF	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-96161/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-96161/1-A	Method Blank	Total/NA	Solid	3050B	

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

MbtaG (Continubd)

DrbL PatcpBh: 740

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	7471A	
480-30303-7	PH-88 20'	Total/NA	Solid	7471A	
LCDSRM 480-96351/3-A LCDSF	Lab Control Sample Dup	Total/NA	Solid	7471A	
LCSSRM 480-96351/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-96351/1-A	Method Blank	Total/NA	Solid	7471A	

Ana0ysis PatcpBh: 7h5

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	7471A	96351
480-30303-7	PH-88 20'	Total/NA	Solid	7471A	96351
LCDSRM 480-96351/3-A LCDSF	Lab Control Sample Dup	Total/NA	Solid	7471A	96351
LCSSRM 480-96351/2-A	Lab Control Sample	Total/NA	Solid	7471A	96351
MB 480-96351/1-A	Method Blank	Total/NA	Solid	7471A	96351

Ana0ysis PatcpBh: 498

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	6010B	96161
480-30303-7	PH-88 20'	Total/NA	Solid	6010B	96161
LCDSRM 480-96161/3-A LCDSF	Lab Control Sample Dup	Total/NA	Solid	6010B	96161
LCSSRM 480-96161/2-A	Lab Control Sample	Total/NA	Solid	6010B	96161
MB 480-96161/1-A	Method Blank	Total/NA	Solid	6010B	96161

Ana0ysis PatcpBh: 667

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	6010B	96161
480-30303-7	PH-88 20'	Total/NA	Solid	6010B	96161
LCDSRM 480-96161/3-A LCDSF	Lab Control Sample Dup	Total/NA	Solid	6010B	96161
LCSSRM 480-96161/2-A	Lab Control Sample	Total/NA	Solid	6010B	96161
MB 480-96161/1-A	Method Blank	Total/NA	Solid	6010B	96161

GbnbraOCpbmistry

Ana0ysis PatcpBh: 54h

3a2 SamL0 II	C0bnt SamL0 II	DrbL TyLb	Matrix	Mbtpod	DrbL Patcp
480-30303-6	PH-87 0-1'	Total/NA	Solid	Moisture	
480-30303-7	PH-88 20'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-83 — Lab Sample ID: 480-30303-1

Date Collected: 12/14/12 16:30 — **Matrix: Water**
Date Received: 12/15/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			96514	12/19/12 06:46	TR	TAL BUF
Total/NA	Analysis	8270C		1	96858	12/20/12 19:07	AM	TAL BUF

Client Sample ID: PH-84 — Lab Sample ID: 480-30303-2

Date Collected: 12/14/12 12:40 — **Matrix: Water**
Date Received: 12/15/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			96514	12/19/12 06:46	TR	TAL BUF
Total/NA	Analysis	8270C		1	96858	12/20/12 19:31	AM	TAL BUF

Client Sample ID: PH-85 — Lab Sample ID: 480-30303-3

Date Collected: 12/14/12 12:05 — **Matrix: Water**
Date Received: 12/15/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			96514	12/19/12 06:46	TR	TAL BUF
Total/NA	Analysis	8270C		1	96858	12/20/12 19:55	AM	TAL BUF

Client Sample ID: PH-87 — Lab Sample ID: 480-30303-4

Date Collected: 12/14/12 16:00 — **Matrix: Water**
Date Received: 12/15/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	97085	12/21/12 20:27	RL	TAL BUF
Total/NA	Prep	3510C			96514	12/19/12 06:46	TR	TAL BUF
Total/NA	Analysis	8270C		1	96858	12/20/12 20:20	AM	TAL BUF

Client Sample ID: PH-88 — Lab Sample ID: 480-30303-5

Date Collected: 12/14/12 15:55 — **Matrix: Water**
Date Received: 12/15/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	97085	12/21/12 20:50	RL	TAL BUF
Total/NA	Prep	3510C			96514	12/19/12 06:46	TR	TAL BUF
Total/NA	Analysis	8270C		1	96919	12/21/12 13:43	AM	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Client Sample ID: PH-87 0-1'

Lab Sample ID: 480-30303-6

Date Collected: 12/14/12 15:45
Matrix: Solid
Date Received: 12/15/12 07:00
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			96264	12/17/12 22:18	CDC	TAL BUF
Total/NA	Analysis	8260B		1	96248	12/18/12 00:15	JMB	TAL BUF
Total/NA	Prep	3550B			96093	12/17/12 08:18	CM	TAL BUF
Total/NA	Analysis	8270C		1	96574	12/19/12 21:12	HTL	TAL BUF
Total/NA	Prep	3550B			96097	12/17/12 08:36	TR	TAL BUF
Total/NA	Analysis	8082		1	96282	12/18/12 16:05	JM	TAL BUF
Total/NA	Prep	3550B			96163	12/17/12 12:13	CM	TAL BUF
Total/NA	Analysis	8015B		1	96413	12/19/12 03:14	CD	TAL BUF
Total/NA	Prep	7471A			96351	12/18/12 10:40	JRK	TAL BUF
Total/NA	Analysis	7471A		1	96394	12/18/12 12:15	JRK	TAL BUF
Total/NA	Prep	3050B			96161	12/17/12 14:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	96528	12/19/12 00:05	AH	TAL BUF
Total/NA	Analysis	6010B		1	96773	12/19/12 19:20	AH	TAL BUF
Total/NA	Analysis	Moisture		1	96459	12/18/12 18:32	MD	TAL BUF

Client Sample ID: PH-88 20'

Lab Sample ID: 480-30303-7

Date Collected: 12/14/12 15:30
Matrix: Solid
Date Received: 12/15/12 07:00
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			96264	12/17/12 22:18	CDC	TAL BUF
Total/NA	Analysis	8260B		1	96248	12/18/12 00:40	JMB	TAL BUF
Total/NA	Prep	3550B			96093	12/17/12 08:18	CM	TAL BUF
Total/NA	Analysis	8270C		1	96574	12/19/12 21:37	HTL	TAL BUF
Total/NA	Prep	3550B			96097	12/17/12 08:36	TR	TAL BUF
Total/NA	Analysis	8082		1	96282	12/18/12 16:20	JM	TAL BUF
Total/NA	Prep	3550B			96163	12/17/12 12:13	CM	TAL BUF
Total/NA	Analysis	8015B		1	96413	12/19/12 04:21	CD	TAL BUF
Total/NA	Prep	7471A			96351	12/18/12 10:40	JRK	TAL BUF
Total/NA	Analysis	7471A		1	96394	12/18/12 12:17	JRK	TAL BUF
Total/NA	Prep	3050B			96161	12/17/12 14:00	JM	TAL BUF
Total/NA	Analysis	6010B		1	96528	12/19/12 00:07	AH	TAL BUF
Total/NA	Analysis	6010B		1	96773	12/19/12 19:22	AH	TAL BUF
Total/NA	Analysis	Moisture		1	96459	12/18/12 18:32	MD	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: TTL, Inc.
7 ro5ectP ite: / aSna

TestAmerica Job ID: 480-30303-1

Laboratory: TestAmerica Buffalo

All certiNcations gelf bh tgis laboratorh are listef . d ot all certiNcations are ayylicable to tgis reyort.

Authority	Program	EPA Region	Certification ID	Expiration Date
ArNansas Dp k	j tate 7 roSram	Q	88-0Q8Q	0E-0Q-13
CaliMrnia	d p LA7	6	11Q6CA	06-30-13
Connectic9t	j tate 7 roSram	1	7 u -0HQ8	06-30-14
Florif a	d p LA7	4	p 8EQE2	0Q-30-13
GeorSia	j tate 7 roSram	4	d PA	03-31-13
GeorSia	j tate 7 roSram	4	6HQ	0Q-30-13
GeorSia	j tate 7 roSram	4	6HQ	0Q-30-13
Illinois	d p LA7	H	200003	06-30-13
Iowa	j tate 7 roSram	E	3E4	03-01-13
Kansas	d p LA7	E	p -1018E	01-31-13
Kent9cNh	j tate 7 roSram	4	60026	12-31-12
Kent9cNh (Uj T)	j tate 7 roSram	4	30	04-01-13
Lo9isiana	d p LA7	Q	02031	0Q-30-13
/ aine	j tate 7 roSram	1	d Y00044	12-04-13
/ arhlanf	j tate 7 roSram	3	264	03-31-13
/ assacg9setts	j tate 7 roSram	1	/ -d Y044	0Q-30-13
/ icgiSan	j tate 7 roSram	H	663E	04-01-13
/ innesota	d p LA7	H	03Q-666-33E	12-31-12
d ew u amysgire	d p LA7	1	26E3	06-11-13
d ew u amysgire	d p LA7	1	233E	11-1E-13
d ew Jerseh	d p LA7	2	d Y4HH	0Q-30-13
d ew YorN	d p LA7	2	1002Q	03-31-13
d ortg DaNota	j tate 7 roSram	8	R-1EQ	03-31-13
ONagoma	j tate 7 roSram	Q	6421	08-31-13
OreSon	d p LA7	10	d Y200003	0Q-06-13
7 ennshlvania	d p LA7	3	Q8-00281	0E-31-13
Rgof e Islanf	j tate 7 roSram	1	LAO00328	12-31-13
Tennessee	j tate 7 roSram	4	Td 026E0	04-01-13
Texas	d p LA7	Q	T104E04412-11-2	0E-31-13
Uj DA	Fef eral		7 330-11-0038Q	11-22-14
VirSinia	d p LA7	3	4Q018H	06-14-13
WasginSton	j tate 7 roSram	10	CE84	02-10-13
West VirSinia Dp 7	j tate 7 roSram	3	2H2	06-30-13
Wisconsin	j tate 7 roSram	H	668310360	08-31-13

Method Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7471A	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-30303-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-30303-1	PH-83	Water	12/14/12 16:30	12/15/12 07:00
480-30303-2	PH-84	Water	12/14/12 12:40	12/15/12 07:00
480-30303-3	PH-85	Water	12/14/12 12:05	12/15/12 07:00
480-30303-4	PH-87	Water	12/14/12 16:00	12/15/12 07:00
480-30303-5	PH-88	Water	12/14/12 15:55	12/15/12 07:00
480-30303-6	PH-87 0-1'	Solid	12/14/12 15:45	12/15/12 07:00
480-30303-7	PH-88 20'	Solid	12/14/12 15:30	12/15/12 07:00

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client: TTL, Inc.	Project Manager: Shannon McDonald	Date: 12/14/12	Chain of Custody Number: 224460
Address: 4154 Lomac St.	Telephone Number (Area Code)/Fax Number: 334-850-1487	Lab Number	Page 1 of 2
City: Montgomery; State: AL; Zip Code: 36106	Site Contact	Lab Contact	
Project Name and Location (State): Syracuse, NY - Magra	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: W0D212-024			

Analysis (Attach list if more space is needed): WSC 8260; SVOC 8270

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		WSC 8260	SVOC 8270
PH-83	12/14/12	4:30p		X				X								X
PH-84	12/14/12	12:40p		X				X								X
PH-85	12/14/12	12:05p		X				X								X
PH-87	12/14/12	4:00p		X				X			X				X	X
PH-88	12/14/12	3:55p		X				X			X				X	X

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Shannon McDonald	12/14/12	5:40p	1. Received By: R. English, Syr	12-14-12	17:40
2. Relinquished By: R. English	12-14-12	19:00	2. Received By: TABuffalo	12/15/12	0700
3. Relinquished By			3. Received By		

Comments: 1.6, 3.3 A2

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client: TTL, Inc.	Project Manager: Shannon McDonald	Date: 12/14/12	Chain of Custody Number: 224459
Address: 4154 Lomac St.	Telephone Number (Area Code)/Fax Number: 334-850-1487	Lab Number	Page 2 of 2
City: Montgomery; State: AL; Zip Code: 36106	Site Contact	Lab Contact	
Project Name and Location (State): Syracuse (NY) - Magna	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 60032120214			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC 8260	SVOC 8270	PCB	TPH-DRO 8015	Metals-6010 7471	Special Instructions/ Conditions of Receipt
PH-87 0-1'	12/14/12	3:45p				X	X						X	X	X	X	X	
PH-88 20'	12/14/12	3:30p				X	X						X	X	X	X	X	

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: Shannon McDonald	Date: 12/14/12	Time: 5:35p	1. Received By: R English, Syr	Date: 12-14-12	Time: 17:30
2. Relinquished By: R English	Date: 12-14-12	Time: 19:00	2. Received By: TAB Buffalo	Date: 12/15/12	Time: 0700
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 1.6, 3.3 #2

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: TTL, Inc.

Job Number: 480-30303-1

Login Number: 30303
List Number: 1
Creator: Robitaille, Zach L

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TTL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	