TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-67

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/12/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 30' south of PH-66; near in-plant railroad spur

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		ML	0 - 4	100		ASPHALT CLAYEY SILT, mottled reddish brown (2.5YR 5/4) and pale olive (5Y 6/3), with gravel; with 1" seam with hydrocarbon staining/sheen		
						PROBEHOLE TERMINATED AT 4 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL ENV PROBE HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-68

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/12/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 15' west of PH-66; near in-plant railroad spur

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		ML	0 - 4	100		ASPHALT CLAYEY SILT, mottled reddish brown (2.5YR 4/3) and pale olive (5Y 6/3)		
						PROBEHOLE TERMINATED AT 4 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL ENV PROBE HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-69

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/12/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 15' west of PH-16; near in-plant railroad spur (on outside containment pad)

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		ML	0 - 4	75		CONCRETE CLAYEY SILT, mottled reddish brown (2.5YR 4/3) and light yellowish brown (2.5Y 6/3) CLAYEY SILT, gray (2.5Y 5/1)		
						PROBEHOLE TERMINATED AT 4 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL ENV PROBE HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-70

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/12/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 37' north and 11' east of PH-65; near in-plant railroad spur (on outside containment pad)

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		GM	0 - 4	75		FILL, SLAG and SILT, dark yellowish brown (10YR 4/4)		
		ML				SILT, mottled gray (5Y 6/1) and weak red (10R 5/4), hard		
						PROBEHOLE TERMINATED AT 4 FEET.		

M:\PROJECTS\2012\60021\2\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL_ENV_PROBE_HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBEHOLE PH-71 & PROBEHOLE CONSTRUCTION

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/13/2012
DRILLING COMPANY	Zebra	CASING DIA./TYPE	2" PVC
DRILLER	Nick Loncto	SCREEN SLOT/TYPE	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	FILTER PACK TYPE	
		TOP OF CASING	
REMARKS	40' west of probehole PH-4 (by outfall of stormwater pond)	GROUND ELEVATION	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PROBEHOLE DIAGRAM
		GM	0-4	75		GRAVELLY SILT, yellowish brown		
5		ML	4-8	75		CLAYEY SILT, reddish yellow and yellowish brown, plastic		1" pipe installed to collect groundwater sample
10			8-12	100		SILT, brown, moist, plastic		
15			12-16	100		SILT, grayish brown, drier than above and getting denser with depth		
						BORING TERMINATED AT 16 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:2010 ENV WELL LOG (UPDATED WATER)

This well log shall not be separated from the corresponding Instrument of Service; no third party may rely upon this well logor the corresponding Instrument of Service absent a written TTL Secondary Client Agreement.

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBEHOLE PH-72 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/13/2012
DRILLING COMPANY	Zebra	CASING DIA./TYPE	2" PVC
DRILLER	Nick Loncto	SCREEN SLOT/TYPE	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	FILTER PACK TYPE	
		TOP OF CASING	
REMARKS	50' north of probehole PH-4 (by outfall of stormwater pond)	GROUND ELEVATION	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0-22			Lithology not sampled; probehole advanced to depth of groundwater and screen installed without logging soil.		1" pipe installed to collect groundwater sample
5								
10								
15								
20								
						BORING TERMINATED AT 22 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:2010 ENV WELL LOG (UPDATED WATER)

This well log shall not be separated from the corresponding Instrument of Service; no third party may rely upon this well logor the corresponding Instrument of Service absent a written TTL Secondary Client Agreement.

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBEHOLE PH-73 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/13/2012
DRILLING COMPANY	Zebra	CASING DIA./TYPE	2" PVC
DRILLER	Nick Loncto	SCREEN SLOT/TYPE	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	FILTER PACK TYPE	
		TOP OF CASING	
REMARKS	60' east of probehole PH-4 (by outfall of stormwater pond)	GROUND ELEVATION	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0-21			Lithology not sampled; probehole advanced to depth of groundwater and screen installed without logging soil.		
5								
10								
15								
20								
						AUGER REFUSAL AT 21 FEET.		

M:\PROJECTS\2012\60021\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report 2010 ENV WELL LOG (UPDATED WATER)

This well log shall not be separated from the corresponding instrument of Service; no third party may rely upon this well logor the corresponding instrument of Service absent a written TTL Secondary Client Agreement.

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-74

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/13/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 25' northeast of PH-9

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	75		CONCRETE		
		ML				SILTY SAPROLITE, light yellowish brown (2.5Y 6/4) grading to grayish brown (2.5Y 5/2)		
5		ML	4 - 7.5	86		SILTSTONE/SHALE, weathered, light gray (10YR 7/1)		
						PROBE REFUSAL AT 7.5 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL ENV PROBE HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-75

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/13/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 20' south and 6' east of probehole PH-9

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	75		CONCRETE		
		ML				SILTY SAPROLITE, olive gray (5Y 5/2)		
		GM	4 - 7.5	100		GRAVEL/SILT, dark grayish brown (2.5Y 4/2)		
5						SHALE, light gray (5Y 7/1) and dark gray (5Y 4/1), weathered		
						PROBE REFUSAL AT 7.5 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL ENV PROBE HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-76

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/13/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 22' west of probehole PH-9

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 4	50		CONCRETE		
		ML				SANDY SILT, with GRAVEL, dark brown (7.5YR 3/2)		
5			4 - 7	100		----clayey----		
						-----with black staining, oily sheen, and strong petroleum odor----		
						SHALE, gray (2.5Y 5/1), weathered		
						PROBE REFUSAL AT 7 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report.TTL_ENV_PROBE_HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-77

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/13/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 30' north and 9' west of probehole PH-9

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		GM	0 - 4	100		CONCRETE GRAVELLY, CLAYEY SILT, brown (7.5YR 4/2) GRAVELLY SILT, light olive brown (2.5Y 5/3)		
						SHALE, pale yellow (2.5Y 7/3), weathered		
			4 - 7	100				
5						SHALE, gray (5Y 6/1), weathered		
						PROBE REFUSAL AT 7 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL_ENV_PROBE_HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-78

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/13/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 7' north and 45' west of probehole PH-76

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		ML	0 - 4	63		CONCRETE CLAYEY, GRAVELLY SILT, brown (10YR 4/3) CLAYEY SILT, mottled gray (5Y 5/1) and olive gray (5Y 5/2)		
5			4 - 7	100		SHALE, greenish gray (10Y Gley 1 5/1), weathered		
						PROBE REFUSAL AT 7 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report TTL ENV PROBE HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-79

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 50' east of probehole PH-1, near infall to former "Upper" stormwater pond

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 11	0		Lithology not sampled; probehole advanced to depth of groundwater and screen installed without logging soil.		
5								
10								Set piezometer; however, no groundwater accumulated, and groundwater sample not collected.
						PROBEHOLE TERMINATED AT 11 FEET.		

M:\PROJECTS\2012\60212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL_ENV_PROBE_HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-80

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 60' north of probehole PH-1, near infall to former "Upper" stormwater pond

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
			0 - 11	0		Lithology not sampled; probehole advanced to depth of groundwater and screen installed without logging soil.		
5								
10								Set piezometer; however, no groundwater accumulated, and groundwater sample not collected.
						PROBEHOLE TERMINATED AT 11 FEET.		

M:\PROJECTS\2012\60021\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL_ENV_PROBE_HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-81

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 50' west of probehole PH-1, near infall to former "Upper" stormwater pond

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		GM	0 - 4	75		SILTY, GRAVELLY FILL, reddish brown (5YR 4/3) and olive gray (5Y 5/2)		
5		GM	4 - 8	100		GRAVELLY SILT, brown (7.5YR 4/3)		
10		GM	8 - 12	100		CLAYEY, GRAVELLY SILT, brown (7.5YR 4/3), moist, plastic		Set piezometer; however, no groundwater accumulated, and groundwater sample not collected.
15		ML	12 - 16	100		CLAYEY SILT, dark brown (7.5YR 3/2), plastic, slightly moist		
			16 - 17	100				
						PROBEHOLE TERMINATED AT 17 FEET.		

M:\PROJECTS\2012\60212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL_ENV_PROBE_HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-82

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 50' south of probehole PH-1, near infall to former "Upper" stormwater pond

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		ML	0 - 4	100		SILT, mottled weak red (10R 4/4) and gray (2.5Y 6/1), with SHALE fragments		
5			4 - 8	75		SILT, very dark grayish brown (2.5Y 3/2), moist, plastic		
			8 - 12	75		----very moist----		
10								Set piezometer; however, no groundwater accumulated, and groundwater sample not collected.
						PROBEHOLE TERMINATED AT 12 FEET.		

M:\PROJECTS\2012\60212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL_ENV_PROBE_HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBEHOLE PH-83 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	CASING DIA./TYPE	2" PVC
DRILLER	Nick Loncto	SCREEN SLOT/TYPE	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	FILTER PACK TYPE	
		TOP OF CASING	
REMARKS	50' north of probehole PH-2, near infall to former	GROUND ELEVATION	
	"Upper" stormwater pond	DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0-18	0		Lithology not sampled; probehole advanced to depth of groundwater and screen installed without logging soil.		1" pipe installed to collect groundwater sample
5								
10								
15								
						BORING TERMINATED AT 18 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:2010 ENV WELL LOG (UPDATED WATER)

This well log shall not be separated from the corresponding Instrument of Service; no third party may rely upon this well logor the corresponding Instrument of Service absent a written TTL Secondary Client Agreement.

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBEHOLE PH-84 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	CASING DIA./TYPE	2" PVC
DRILLER	Nick Loncto	SCREEN SLOT/TYPE	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	FILTER PACK TYPE	
		TOP OF CASING	
REMARKS	50' west of probehole PH-2, near infall to former "Upper" stormwater pond	GROUND ELEVATION	
		DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0-18	0		Lithology not sampled; probehole advanced to depth of groundwater and screen installed without logging soil.		
5								1" pipe installed to collect groundwater sample
10								
15								
						BORING TERMINATED AT 18 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:2010 ENV WELL LOG (UPDATED WATER)

This well log shall not be separated from the corresponding Instrument of Service; no third party may rely upon this well logor the corresponding Instrument of Service absent a written TTL Secondary Client Agreement.

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBEHOLE PH-85 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	CASING DIA./TYPE	2" PVC
DRILLER	Nick Loncto	SCREEN SLOT/TYPE	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	FILTER PACK TYPE	
		TOP OF CASING	
REMARKS	50' south of probehole PH-2, near infall to former	GROUND ELEVATION	
	"Upper" stormwater pond	DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0-3	100		Lithology not sampled; probehole advanced to depth of groundwater and screen installed without logging soil.		1" pipe installed to collect groundwater sample
						BORING TERMINATED AT 3 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:2010 ENV WELL LOG (UPDATED WATER)

This well log shall not be separated from the corresponding Instrument of Service; no third party may rely upon this well logor the corresponding Instrument of Service absent a written TTL Secondary Client Agreement.

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBE HOLE PH-86

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	GROUND ELEVATION	
DRILLER	Nick Loncto	DEPTH TO WATER	
DRILLING METHOD	Geoprobe	WATER ELEVATION	

REMARKS: 40' north of probehole PH-3, near infall to current "Lower" stormwater pond

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	REMARKS
		MH	0 - 3	100		CLAYEY SILT, dark brown (10YR 3/3), plastic, with organics		
						CLAYEY SILT, brown (7.5YR 4/4), plastic, moist		
						-----STAINED BLACK, WITH OILY SHEEN AND HYDROCARBON ODOR-----		
						PROBEHOLE TERMINATED AT 3 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:TTL ENV PROBE HOLE

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBEHOLE PH-87 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	CASING DIA./TYPE	2" PVC
DRILLER	Nick Loncto	SCREEN SLOT/TYPE	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	FILTER PACK TYPE	
		TOP OF CASING	
REMARKS	165' north of probehole PH-3, current "Lower"	GROUND ELEVATION	
	stormwater pond	DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
		MH	0-5	100		SILT, black, organic-rich, with strong hydrocarbon odor and sheen		1" pipe installed to collect groundwater sample
5						BORING TERMINATED AT 5 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report 2010 ENV WELL LOG (UPDATED WATER)

This well log shall not be separated from the corresponding Instrument of Service; no third party may rely upon this well logor the corresponding Instrument of Service absent a written TTL Secondary Client Agreement.

TTL
geotechnical • analytical • materials • environmental

ONX1, LLC
FORMER MAGNA/NEW PROCESS GEAR FACILITY

LOG OF PROBEHOLE PH-88 & PIEZOMETER CONSTRUCTION

PROJECT NUMBER		PROFESSIONAL	S. McDonald
LOCATION	Syracuse, New York	DATE(S) DRILLED	12/14/2012
DRILLING COMPANY	Zebra	CASING DIA./TYPE	2" PVC
DRILLER	Nick Loncto	SCREEN SLOT/TYPE	0.010-in. slotted PVC
DRILLING METHOD	Geoprobe	FILTER PACK TYPE	
		TOP OF CASING	
REMARKS	55' east of probehole PH-3, current "Lower"	GROUND ELEVATION	
	stormwater pond	DEPTH TO WATER	
		WATER ELEVATION	

DEPTH (feet)	GRAPHIC LOG	U.S.C.S.	SAMPLE INTERVAL (feet)	SAMPLE % RECOVERY	SAMPLE PID (ppm)	LITHOLOGIC DESCRIPTION	WATER LEVEL & DATE	PIEZOMETER DIAGRAM
			0-4	100		CLAYEY SILT, brownish yellow (10YR 6/6)		
5			4-8	100				
			8-12	100				
10		ML	12-16	100				1" pipe installed to collect groundwater sample
15			16-20	100				
20			20-24	100		CLAYEY SILT, reddish brown (5YR 4/3), with gravel		
						BORING TERMINATED AT 24 FEET.		

M:\PROJECTS\2012\600212\024 - ONX - MAGNA\LOGS\GINT LOGS.GPJ 4/1/13 Report:2010 ENV WELL LOG (UPDATED WATER)

This well log shall not be separated from the corresponding Instrument of Service; no third party may rely upon this well logor the corresponding Instrument of Service absent a written TTL Secondary Client Agreement.

APPENDIX B
LABORATORY REPORTS

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: 480-29905-1
Client Project/Site: Magna

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

Attn: Ms. Shannon McDonald

Authorized for release by:
12/26/2012 10:55:11 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.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 6
Client Sample Results 8
Surrogate Summary 33
QC Sample Results 36
QC Association Summary 49
Lab Chronicle 52
Certification Summary 55
Method Summary 56
Sample Summary 57
Chain of Custody 58
Receipt Checklists 60

Qualifiers

GC/MS 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.
H	Sample was prepped or analyzed beyond the specified holding time

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.
*	LCS or LCSD exceeds the control limits
*	RPD of the LCS and LCSD exceeds the control limits
X	Surrogate is outside control limits

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.
X	Surrogate is outside control limits
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.
F	RPD of the MS and MSD exceeds the control limits
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: 480-29905-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-29905-1

Comments
No additional comments.

Receipt
The samples were received on 12/11/2012 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 VOA
Method(s) 8260B: The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): PH-40 (480-29905-12).

Method(s) 8260B: The Matrix Spike Blank recovery was above TestAmerica's statistically developed internal laboratory QC limits, for 2-Butanone. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte.

Method(s) 8260B: The method blank for batch 95999 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The following sample(s) was analyzed medium level to bring the concentration of target analytes within the calibration range: PH-34 2' (480-29905-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with analytical batch 480-95413: Benzo[g,h,i]perylene. This compound is not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The following samples were diluted due to viscosity: PH-39 11.5' (480-29905-6), PH-43 11' (480-29905-11). Elevated reporting limits (RL) are provided.

Method(s) 8270C: The following sample was diluted due to the nature of the sample matrix : PH-40 (480-29905-12). As such, surrogate recoveries were reduced to a level in which they do not provide useful information. Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 95248 exceeded control limits for multiple analytes. These analytes have been identified as poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 95248 exceeded control limits for the following analyte: Pentachlorophenol. The recoveries were within quality control acceptance limits, therefore the data has been qualified and reviewed.

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: (480-29905-7 MS), (480-29905-7 MSD), PH-39 11.5' (480-29905-6), PH-40 13' (480-29905-7), PH-43 11' (480-29905-11). As such, surrogate recoveries are not reported or not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8015B: The following sample was diluted to bring the concentration of target analytes within the calibration range: PH-41 8' (480-29905-8). Elevated reporting limits (RLs) are provided.

Job ID: 480-29905-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 95356 were outside control limits: (480-29905-7 MS), (480-29905-7 MSD). Matrix interference is suspected.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: Sample contained a large amount of sediment. The sample was poured out, allowed to separate and 850 mL was acquired to extract.

Method(s) 3510C: During pH adjustment, the following sample required 14 mL of base to reach the desired pH: PH-40 (480-29905-12).

No other analytical or quality issues were noted.

Detection Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-34 2' — Lab Sample ID: 480-29905-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	38		22	3.8	ug/Kg	1	☼	8260B	Total/NA
cis-1,2-Dichloroethene	13		4.5	0.57	ug/Kg	1	☼	8260B	Total/NA
trans-1,2-Dichloroethene	1.6	J	4.5	0.46	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	52		4.5	0.98	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene - DL	1100	H	48	6.4	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: PH-35 2' — Lab Sample ID: 480-29905-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.6		4.6	2.1	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	4.7		4.6	0.62	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: PH-36 2' — Lab Sample ID: 480-29905-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.9	J	5.4	2.5	ug/Kg	1	☼	8260B	Total/NA
Tetrachloroethene	4.1	J	5.4	0.72	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: PH-37 2.5' — Lab Sample ID: 480-29905-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	11	J	22	1.6	ug/Kg	1	☼	8260B	Total/NA
Acetone	52		22	3.7	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: PH-38 8' — Lab Sample ID: 480-29905-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	43		4.7	0.63	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: PH-39 11.5' — Lab Sample ID: 480-29905-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	63	J	1000	12	ug/Kg	5	☼	8270C	Total/NA
Acetophenone	82	J	1000	52	ug/Kg	5	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	2400		1000	330	ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	210	J	1000	21	ug/Kg	5	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	3200		200	61	mg/Kg	10	☼	8015B	Total/NA

Client Sample ID: PH-40 13' — Lab Sample ID: 480-29905-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	110	J	180	59	ug/Kg	1	☼	8270C	Total/NA
Di-n-octyl phthalate	350		180	4.3	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	1600		180	54	mg/Kg	10	☼	8015B	Total/NA

Client Sample ID: PH-41 8' — Lab Sample ID: 480-29905-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biphenyl	38	J	190	12	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	250		190	2.3	ug/Kg	1	☼	8270C	Total/NA
Dibenzofuran	49	J	190	2.0	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	68	J	190	2.8	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: PH-41 8' (Continued) — Lab Sample ID: 480-29905-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	66	J	190	4.4	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	51	J	190	3.2	ug/Kg	1	☼	8270C	Total/NA
Pentachlorophenol	310	J	380	66	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	310		190	4.0	ug/Kg	1	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	730		95	29	mg/Kg	5	☼	8015B	Total/NA

Client Sample ID: PH-41 12' — Lab Sample ID: 480-29905-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	20	J	180	2.2	ug/Kg	1	☼	8270C	Total/NA
4-Methylphenol	14	J	350	10	ug/Kg	1	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	530		180	58	ug/Kg	1	☼	8270C	Total/NA
Di-n-octyl phthalate	680		180	4.2	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	20	J	180	2.6	ug/Kg	1	☼	8270C	Total/NA
Fluorene	13	J	180	4.1	ug/Kg	1	☼	8270C	Total/NA
Pentachlorophenol	180	J	350	61	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	54	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]	150		17	5.2	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-40 6' — Lab Sample ID: 480-29905-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	10	J	18	5.3	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: PH-43 11' — Lab Sample ID: 480-29905-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	150	J	1900	22	ug/Kg	10	☼	8270C	Total/NA
Bis(2-ethylhexyl) phthalate	3300		1900	600	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	350	J	1900	27	ug/Kg	10	☼	8270C	Total/NA
Naphthalene	150	J	1900	31	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	740	J	1900	39	ug/Kg	10	☼	8270C	Total/NA
Pyrene	280	J	1900	12	ug/Kg	10	☼	8270C	Total/NA
Diesel Range Organics [C10-C28]	3600		180	55	mg/Kg	10	☼	8015B	Total/NA

Client Sample ID: PH-40 — Lab Sample ID: 480-29905-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.6	J	10	1.3	ug/L	1		8260B	Total/NA
Acetone	5.6	J	10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	0.30	J	1.0	0.19	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.6		1.0	0.81	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	110	J	120	42	ug/L	20		8270C	Total/NA

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-34 2'
Date Collected: 12/10/12 10:35
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-1
Matrix: Solid
Percent Solids: 85.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.32	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.72	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,1,2-Trichloroethane	4.5	U	4.5	0.58	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,1-Dichloroethane	4.5	U	4.5	0.54	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,1-Dichloroethene	4.5	U	4.5	0.55	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.27	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,2-Dibromoethane	4.5	U	4.5	0.57	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,2-Dichloroethane	4.5	U	4.5	0.22	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,2-Dichloropropane	4.5	U	4.5	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
1,4-Dichlorobenzene	4.5	U	4.5	0.62	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.5	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Acetone	**38**		22	3.8	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Bromodichloromethane	4.5	U	4.5	0.60	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Bromoform	4.5	U	4.5	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Bromomethane	4.5	U	4.5	0.40	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Carbon disulfide	4.5	U	4.5	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Carbon tetrachloride	4.5	U	4.5	0.43	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Chlorobenzene	4.5	U	4.5	0.59	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Dibromochloromethane	4.5	U	4.5	0.57	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Chloroethane	4.5	U	4.5	1.0	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Chloromethane	4.5	U	4.5	0.27	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
cis-1,2-Dichloroethene	**13**		4.5	0.57	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.64	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Cyclohexane	4.5	U	4.5	0.62	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Isopropylbenzene	4.5	U	4.5	0.67	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Methyl acetate	4.5	U	4.5	0.83	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Methyl tert-butyl ether	4.5	U	4.5	0.44	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Methylcyclohexane	4.5	U	4.5	0.68	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Styrene	4.5	U	4.5	0.22	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
trans-1,2-Dichloroethene	**1.6**	**J**	4.5	0.46	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Trichloroethene	**52**		4.5	0.98	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Trichlorofluoromethane	4.5	U	4.5	0.42	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Vinyl chloride	4.5	U	4.5	0.54	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1
Xylenes, Total	8.9	U	8.9	0.75	ug/Kg	☼	12/12/12 15:16	12/12/12 20:30	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-34 2'

Date Collected: 12/10/12 10:35
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-1

Matrix: Solid
Percent Solids: 85.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*64 - 126*	*12/12/12 15:16*	*12/12/12 20:30*	*1*
Toluene-d8 (Surr)	*83*		*71 - 125*	*12/12/12 15:16*	*12/12/12 20:30*	*1*
4-Bromofluorobenzene (Surr)	*81*		*72 - 126*	*12/12/12 15:16*	*12/12/12 20:30*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**1100**	**H**	48	6.4	ug/Kg	☼	12/15/12 13:00	12/15/12 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*	*12/15/12 13:00*	*12/15/12 15:46*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*12/15/12 13:00*	*12/15/12 15:46*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*12/15/12 13:00*	*12/15/12 15:46*	*1*

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-35 2'

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

Lab Sample ID: 480-29905-2

Matrix: Solid
Percent Solids: 85.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.6	U	4.6	0.34	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,1,2,2-Tetrachloroethane	4.6	U	4.6	0.75	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,1,2-Trichloroethane	4.6	U	4.6	0.60	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	U	4.6	1.1	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,1-Dichloroethane	4.6	U	4.6	0.57	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,1-Dichloroethene	4.6	U	4.6	0.57	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,2,4-Trichlorobenzene	4.6	U	4.6	0.28	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,2-Dibromo-3-Chloropropane	4.6	U	4.6	2.3	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,2-Dibromoethane	4.6	U	4.6	0.59	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,2-Dichlorobenzene	4.6	U	4.6	0.36	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,2-Dichloroethane	4.6	U	4.6	0.23	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,2-Dichloropropane	4.6	U	4.6	2.3	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,3-Dichlorobenzene	4.6	U	4.6	0.24	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
1,4-Dichlorobenzene	4.6	U	4.6	0.65	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Acetone	23	U	23	3.9	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Benzene	4.6	U	4.6	0.23	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Bromodichloromethane	4.6	U	4.6	0.62	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Bromoform	4.6	U	4.6	2.3	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Bromomethane	4.6	U	4.6	0.42	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Carbon disulfide	4.6	U	4.6	2.3	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Carbon tetrachloride	4.6	U	4.6	0.45	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Chlorobenzene	4.6	U	4.6	0.61	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Dibromochloromethane	4.6	U	4.6	0.59	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Chloroethane	4.6	U	4.6	1.0	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Chloroform	4.6	U	4.6	0.29	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Chloromethane	4.6	U	4.6	0.28	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
cis-1,2-Dichloroethene	4.6	U	4.6	0.59	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
cis-1,3-Dichloropropene	4.6	U	4.6	0.67	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Cyclohexane	4.6	U	4.6	0.65	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Dichlorodifluoromethane	4.6	U	4.6	0.38	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Ethylbenzene	4.6	U	4.6	0.32	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Isopropylbenzene	4.6	U	4.6	0.70	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Methyl acetate	4.6	U	4.6	0.86	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Methyl tert-butyl ether	4.6	U	4.6	0.45	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Methylcyclohexane	4.6	U	4.6	0.70	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Methylene Chloride	**4.6**		4.6	2.1	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Styrene	4.6	U	4.6	0.23	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Tetrachloroethene	**4.7**		4.6	0.62	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Toluene	4.6	U	4.6	0.35	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
trans-1,2-Dichloroethene	4.6	U	4.6	0.48	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
trans-1,3-Dichloropropene	4.6	U	4.6	2.0	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Trichloroethene	4.6	U	4.6	1.0	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Trichlorofluoromethane	4.6	U	4.6	0.44	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Vinyl chloride	4.6	U	4.6	0.57	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1
Xylenes, Total	9.3	U	9.3	0.78	ug/Kg	☼	12/14/12 00:35	12/14/12 01:33	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-35 2'

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

Lab Sample ID: 480-29905-2

Matrix: Solid
Percent Solids: 85.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		64 - 126	12/14/12 00:35	12/14/12 01:33	1
Toluene-d8 (Surr)	93		71 - 125	12/14/12 00:35	12/14/12 01:33	1
4-Bromofluorobenzene (Surr)	89		72 - 126	12/14/12 00:35	12/14/12 01:33	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-36 2'

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

Lab Sample ID: 480-29905-3

Matrix: Solid
Percent Solids: 86.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.4	U	5.4	0.39	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,1,2,2-Tetrachloroethane	5.4	U	5.4	0.87	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,1,2-Trichloroethane	5.4	U	5.4	0.70	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U	5.4	1.2	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,1-Dichloroethane	5.4	U	5.4	0.66	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,1-Dichloroethene	5.4	U	5.4	0.66	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,2,4-Trichlorobenzene	5.4	U	5.4	0.33	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,2-Dibromo-3-Chloropropane	5.4	U	5.4	2.7	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,2-Dibromoethane	5.4	U	5.4	0.69	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,2-Dichlorobenzene	5.4	U	5.4	0.42	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,2-Dichloroethane	5.4	U	5.4	0.27	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,2-Dichloropropane	5.4	U	5.4	2.7	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,3-Dichlorobenzene	5.4	U	5.4	0.28	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
1,4-Dichlorobenzene	5.4	U	5.4	0.75	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
2-Butanone (MEK)	27	U	27	2.0	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.8	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Acetone	27	U	27	4.5	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Benzene	5.4	U	5.4	0.26	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Bromodichloromethane	5.4	U	5.4	0.72	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Bromoform	5.4	U	5.4	2.7	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Bromomethane	5.4	U	5.4	0.48	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Carbon disulfide	5.4	U	5.4	2.7	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Carbon tetrachloride	5.4	U	5.4	0.52	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Chlorobenzene	5.4	U	5.4	0.71	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Dibromochloromethane	5.4	U	5.4	0.69	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Chloroethane	5.4	U	5.4	1.2	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Chloroform	5.4	U	5.4	0.33	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Chloromethane	5.4	U	5.4	0.32	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
cis-1,2-Dichloroethene	5.4	U	5.4	0.69	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
cis-1,3-Dichloropropene	5.4	U	5.4	0.77	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Cyclohexane	5.4	U	5.4	0.75	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Dichlorodifluoromethane	5.4	U	5.4	0.44	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Ethylbenzene	5.4	U	5.4	0.37	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Isopropylbenzene	5.4	U	5.4	0.81	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Methyl acetate	5.4	U	5.4	1.0	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Methyl tert-butyl ether	5.4	U	5.4	0.53	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Methylcyclohexane	5.4	U	5.4	0.82	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Methylene Chloride	**3.9**	**J**	5.4	2.5	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Styrene	5.4	U	5.4	0.27	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Tetrachloroethene	**4.1**	**J**	5.4	0.72	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Toluene	5.4	U	5.4	0.41	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
trans-1,2-Dichloroethene	5.4	U	5.4	0.55	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
trans-1,3-Dichloropropene	5.4	U	5.4	2.4	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Trichloroethene	5.4	U	5.4	1.2	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Trichlorofluoromethane	5.4	U	5.4	0.51	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Vinyl chloride	5.4	U	5.4	0.66	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1
Xylenes, Total	11	U	11	0.90	ug/Kg	☼	12/14/12 00:35	12/14/12 01:59	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-36 2'
Date Collected: 12/10/12 11:25
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-3
Matrix: Solid
Percent Solids: 86.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		64 - 126	12/14/12 00:35	12/14/12 01:59	1
Toluene-d8 (Surr)	90		71 - 125	12/14/12 00:35	12/14/12 01:59	1
4-Bromofluorobenzene (Surr)	88		72 - 126	12/14/12 00:35	12/14/12 01:59	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-37 2.5'

Date Collected: 12/10/12 11:35
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-4
Matrix: Solid
Percent Solids: 83.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	1.0	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,1-Dichloroethane	4.4	U	4.4	0.54	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,1-Dichloroethene	4.4	U	4.4	0.54	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.27	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,2-Dibromoethane	4.4	U	4.4	0.57	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,3-Dichlorobenzene	4.4	U	4.4	0.23	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
1,4-Dichlorobenzene	4.4	U	4.4	0.62	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
2-Butanone (MEK)	**11**	**J**	22	1.6	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Acetone	**52**		22	3.7	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Benzene	4.4	U	4.4	0.22	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Bromodichloromethane	4.4	U	4.4	0.59	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Bromomethane	4.4	U	4.4	0.40	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Carbon tetrachloride	4.4	U	4.4	0.43	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Chloroethane	4.4	U	4.4	1.0	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Chloromethane	4.4	U	4.4	0.27	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Cyclohexane	4.4	U	4.4	0.62	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Dichlorodifluoromethane	4.4	U	4.4	0.36	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Ethylbenzene	4.4	U	4.4	0.30	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Isopropylbenzene	4.4	U	4.4	0.66	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Methyl acetate	4.4	U	4.4	0.82	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Methylcyclohexane	4.4	U	4.4	0.67	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Tetrachloroethene	4.4	U	4.4	0.59	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Trichloroethene	4.4	U	4.4	0.97	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Trichlorofluoromethane	4.4	U	4.4	0.42	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Vinyl chloride	4.4	U	4.4	0.54	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1
Xylenes, Total	8.8	U	8.8	0.74	ug/Kg	☼	12/12/12 15:16	12/12/12 21:46	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-37 2.5'
Date Collected: 12/10/12 11:35
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-4
Matrix: Solid
Percent Solids: 83.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		64 - 126	12/12/12 15:16	12/12/12 21:46	1
Toluene-d8 (Surr)	85		71 - 125	12/12/12 15:16	12/12/12 21:46	1
4-Bromofluorobenzene (Surr)	81		72 - 126	12/12/12 15:16	12/12/12 21:46	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-38 8'
Date Collected: 12/10/12 12:00
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-5
Matrix: Solid
Percent Solids: 81.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.76	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,1-Dichloroethane	4.7	U	4.7	0.57	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,1-Dichloroethene	4.7	U	4.7	0.57	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.28	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.3	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,2-Dibromoethane	4.7	U	4.7	0.60	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,2-Dichlorobenzene	4.7	U	4.7	0.36	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,2-Dichloroethane	4.7	U	4.7	0.23	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,2-Dichloropropane	4.7	U	4.7	2.3	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
1,4-Dichlorobenzene	4.7	U	4.7	0.65	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Acetone	23	U	23	3.9	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Bromoform	4.7	U	4.7	2.3	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Carbon disulfide	4.7	U	4.7	2.3	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Carbon tetrachloride	4.7	U	4.7	0.45	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Chloroethane	4.7	U	4.7	1.1	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Chloromethane	4.7	U	4.7	0.28	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.67	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Cyclohexane	4.7	U	4.7	0.65	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Ethylbenzene	4.7	U	4.7	0.32	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Isopropylbenzene	4.7	U	4.7	0.70	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Methyl acetate	4.7	U	4.7	0.87	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Methylcyclohexane	4.7	U	4.7	0.71	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Methylene Chloride	4.7	U	4.7	2.1	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Styrene	4.7	U	4.7	0.23	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Tetrachloroethene	**43**		4.7	0.63	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Toluene	4.7	U	4.7	0.35	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.48	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Trichlorofluoromethane	4.7	U	4.7	0.44	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Vinyl chloride	4.7	U	4.7	0.57	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1
Xylenes, Total	9.3	U	9.3	0.78	ug/Kg	☼	12/12/12 15:16	12/12/12 22:12	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-38 8'
Date Collected: 12/10/12 12:00
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-5
Matrix: Solid
Percent Solids: 81.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		64 - 126	12/12/12 15:16	12/12/12 22:12	1
Toluene-d8 (Surr)	86		71 - 125	12/12/12 15:16	12/12/12 22:12	1
4-Bromofluorobenzene (Surr)	82		72 - 126	12/12/12 15:16	12/12/12 22:12	1

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-39 11.5'
Date Collected: 12/10/12 13:10
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-6
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	1000	U	1000	63	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
bis (2-chloroisopropyl) ether	1000	U	1000	110	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2,4,5-Trichlorophenol	1000	U	1000	220	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2,4,6-Trichlorophenol	1000	U	1000	67	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2,4-Dichlorophenol	1000	U	1000	53	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2,4-Dimethylphenol	1000	U	1000	280	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2,4-Dinitrophenol	2000	U	2000	360	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2,4-Dinitrotoluene	1000	U	1000	160	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2,6-Dinitrotoluene	1000	U	1000	250	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2-Chloronaphthalene	1000	U	1000	68	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2-Chlorophenol	1000	U	1000	52	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2-Methylnaphthalene	**63**	**J**	1000	12	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2-Methylphenol	1000	U	1000	31	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2-Nitroaniline	2000	U	2000	330	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
2-Nitrophenol	1000	U	1000	47	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
3,3'-Dichlorobenzidine	1000	U	1000	890	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
3-Nitroaniline	2000	U	2000	230	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
4,6-Dinitro-2-methylphenol	2000	U	2000	350	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
4-Bromophenyl phenyl ether	1000	U	1000	320	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
4-Chloro-3-methylphenol	1000	U	1000	42	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
4-Chloroaniline	1000	U	1000	300	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
4-Chlorophenyl phenyl ether	1000	U	1000	22	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
4-Methylphenol	2000	U	2000	57	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
4-Nitroaniline	2000	U	2000	110	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
4-Nitrophenol	2000	U	2000	250	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Acenaphthene	1000	U	1000	12	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Acenaphthylene	1000	U	1000	8.3	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Acetophenone	**82**	**J**	1000	52	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Anthracene	1000	U	1000	26	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Atrazine	1000	U	1000	45	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Benzaldehyde	1000	U	1000	110	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Benzo(a)anthracene	1000	U	1000	18	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Benzo(a)pyrene	1000	U	1000	25	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Benzo(b)fluoranthene	1000	U	1000	20	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Benzo(g,h,i)perylene	1000	U	1000	12	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Benzo(k)fluoranthene	1000	U	1000	11	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Bis(2-chloroethoxy)methane	1000	U	1000	55	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Bis(2-chloroethyl)ether	1000	U	1000	88	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Bis(2-ethylhexyl) phthalate	**2400**		1000	330	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Butyl benzyl phthalate	1000	U	1000	270	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Caprolactam	1000	U	1000	440	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Carbazole	1000	U	1000	12	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Chrysene	1000	U	1000	10	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Di-n-butyl phthalate	1000	U	1000	350	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Di-n-octyl phthalate	1000	U	1000	24	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Dibenz(a,h)anthracene	1000	U	1000	12	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Dibenzofuran	1000	U	1000	11	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Diethyl phthalate	1000	U	1000	31	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Dimethyl phthalate	1000	U	1000	27	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-39 11.5'

Date Collected: 12/10/12 13:10
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-6

Matrix: Solid
Percent Solids: 81.3

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	☼	12/11/12 08:49	12/12/12 14:58	5
Fluorene	1000	U	1000	23	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Hexachlorobenzene	1000	U	1000	51	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Hexachlorobutadiene	1000	U	1000	52	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Hexachlorocyclopentadiene	1000	U	1000	310	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Hexachloroethane	1000	U	1000	79	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Indeno(1,2,3-cd)pyrene	1000	U	1000	28	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Isophorone	1000	U	1000	51	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
N-Nitrosodi-n-propylamine	1000	U	1000	81	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
N-Nitrosodiphenylamine	1000	U	1000	56	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Naphthalene	1000	U	1000	17	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Nitrobenzene	1000	U	1000	45	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Pentachlorophenol	2000	U	2000	350	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Phenanthrene	**210**	**J**	1000	21	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Phenol	1000	U	1000	110	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5
Pyrene	1000	U	1000	6.6	ug/Kg	☼	12/11/12 08:49	12/12/12 14:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*39 - 146*	*12/11/12 08:49*	*12/12/12 14:58*	*5*
2-Fluorobiphenyl	*78*		*37 - 120*	*12/11/12 08:49*	*12/12/12 14:58*	*5*
2-Fluorophenol	*58*		*18 - 120*	*12/11/12 08:49*	*12/12/12 14:58*	*5*
Nitrobenzene-d5	*73*		*34 - 132*	*12/11/12 08:49*	*12/12/12 14:58*	*5*
p-Terphenyl-d14	*81*		*65 - 153*	*12/11/12 08:49*	*12/12/12 14:58*	*5*
Phenol-d5	*67*		*11 - 120*	*12/11/12 08:49*	*12/12/12 14:58*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3200**		200	61	mg/Kg	☼	12/12/12 07:15	12/13/12 17:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*42*	*X*	*48 - 125*	*12/12/12 07:15*	*12/13/12 17:33*	*10*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-40 13'
Date Collected: 12/10/12 14:40
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-7
Matrix: Solid
Percent Solids: 91.3

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	☼	12/11/12 08:49	12/12/12 15:22	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2,4,5-Trichlorophenol	180	U	180	40	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2,4-Dichlorophenol	180	U	180	9.6	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2,4-Dimethylphenol	180	U	180	50	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2,4-Dinitrophenol	360	U	360	64	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2,6-Dinitrotoluene	180	U	180	45	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2-Chlorophenol	180	U	180	9.3	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2-Methylnaphthalene	180	U	180	2.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2-Methylphenol	180	U	180	5.6	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2-Nitroaniline	360	U	360	59	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
2-Nitrophenol	180	U	180	8.4	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
3-Nitroaniline	360	U	360	42	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
4,6-Dinitro-2-methylphenol	360	U	360	63	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
4-Bromophenyl phenyl ether	180	U	180	58	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
4-Chloro-3-methylphenol	180	U	180	7.6	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
4-Chloroaniline	180	U	180	54	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
4-Chlorophenyl phenyl ether	180	U	180	3.9	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
4-Methylphenol	360	U	360	10	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
4-Nitroaniline	360	U	360	21	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
4-Nitrophenol	360	U	360	45	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Acenaphthene	180	U	180	2.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Acetophenone	180	U	180	9.4	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Anthracene	180	U	180	4.7	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Atrazine	180	U	180	8.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Benzaldehyde	180	U	180	20	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Benzo(a)anthracene	180	U	180	3.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Benzo(a)pyrene	180	U	180	4.4	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Benzo(b)fluoranthene	180	U	180	3.6	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Benzo(g,h,i)perylene	180	U	180	2.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Benzo(k)fluoranthene	180	U	180	2.0	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Bis(2-chloroethoxy)methane	180	U	180	10	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Bis(2-chloroethyl)ether	180	U	180	16	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Bis(2-ethylhexyl) phthalate	**110**	**J**	180	59	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Butyl benzyl phthalate	180	U	180	49	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Caprolactam	180	U	180	79	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Carbazole	180	U	180	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Chrysene	180	U	180	1.8	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Di-n-butyl phthalate	180	U	180	63	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Di-n-octyl phthalate	**350**		180	4.3	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Dibenz(a,h)anthracene	180	U	180	2.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Dibenzofuran	180	U	180	1.9	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Diethyl phthalate	180	U	180	5.5	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Dimethyl phthalate	180	U	180	4.8	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-40 13'

Date Collected: 12/10/12 14:40
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-7
Matrix: Solid
Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	180	U	180	2.7	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Fluorene	180	U	180	4.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Hexachlorobenzene	180	U	180	9.1	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Hexachlorobutadiene	180	U	180	9.4	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Hexachlorocyclopentadiene	180	U	180	56	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Indeno(1,2,3-cd)pyrene	180	U	180	5.1	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Isophorone	180	U	180	9.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
N-Nitrosodi-n-propylamine	180	U	180	15	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
N-Nitrosodiphenylamine	180	U	180	10	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Naphthalene	180	U	180	3.1	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Nitrobenzene	180	U	180	8.1	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Pentachlorophenol	360	U	360	63	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Phenanthrene	180	U	180	3.9	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Phenol	180	U	180	19	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1
Pyrene	180	U	180	1.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*39 - 146*	*12/11/12 08:49*	*12/12/12 15:22*	*1*
2-Fluorobiphenyl	*85*		*37 - 120*	*12/11/12 08:49*	*12/12/12 15:22*	*1*
2-Fluorophenol	*53*		*18 - 120*	*12/11/12 08:49*	*12/12/12 15:22*	*1*
Nitrobenzene-d5	*77*		*34 - 132*	*12/11/12 08:49*	*12/12/12 15:22*	*1*
p-Terphenyl-d14	*97*		*65 - 153*	*12/11/12 08:49*	*12/12/12 15:22*	*1*
Phenol-d5	*74*		*11 - 120*	*12/11/12 08:49*	*12/12/12 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]	**1600**		180	54	mg/Kg	☼	12/12/12 07:15	12/13/12 18:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*142*	*X*	*48 - 125*	*12/12/12 07:15*	*12/13/12 18:06*	*10*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-41 8'
Date Collected: 12/10/12 15:25
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-8
Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	**38**	**J**	190	12	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
bis (2-chloroisopropyl) ether	190	U	190	20	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2,4,5-Trichlorophenol	190	U	190	42	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2,4,6-Trichlorophenol	190	U	190	13	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2,4-Dichlorophenol	190	U	190	10	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2,4-Dimethylphenol	190	U	190	52	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2,4-Dinitrophenol	380	U	380	67	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2,4-Dinitrotoluene	190	U	190	30	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2,6-Dinitrotoluene	190	U	190	47	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2-Chloronaphthalene	190	U	190	13	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2-Chlorophenol	190	U	190	9.8	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2-Methylnaphthalene	**250**		190	2.3	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2-Methylphenol	190	U	190	5.9	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2-Nitroaniline	380	U	380	62	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
2-Nitrophenol	190	U	190	8.8	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
3,3'-Dichlorobenzidine	190	U	190	170	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
3-Nitroaniline	380	U	380	44	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
4,6-Dinitro-2-methylphenol	380	U	380	67	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
4-Bromophenyl phenyl ether	190	U	190	61	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
4-Chloro-3-methylphenol	190	U	190	7.9	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
4-Chloroaniline	190	U	190	57	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
4-Chlorophenyl phenyl ether	190	U	190	4.1	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
4-Methylphenol	380	U	380	11	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
4-Nitroaniline	380	U	380	22	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
4-Nitrophenol	380	U	380	47	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Acenaphthene	190	U	190	2.3	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Acenaphthylene	190	U	190	1.6	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Acetophenone	190	U	190	9.9	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Anthracene	190	U	190	4.9	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Atrazine	190	U	190	8.6	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Benzaldehyde	190	U	190	21	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Benzo(a)anthracene	190	U	190	3.3	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Benzo(a)pyrene	190	U	190	4.6	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Benzo(b)fluoranthene	190	U	190	3.7	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Benzo(g,h,i)perylene	190	U	190	2.3	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Benzo(k)fluoranthene	190	U	190	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Bis(2-chloroethoxy)methane	190	U	190	10	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Bis(2-chloroethyl)ether	190	U	190	17	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Bis(2-ethylhexyl) phthalate	190	U	190	62	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Butyl benzyl phthalate	190	U	190	52	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Caprolactam	190	U	190	83	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Carbazole	190	U	190	2.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Chrysene	190	U	190	1.9	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Di-n-butyl phthalate	190	U	190	67	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Di-n-octyl phthalate	190	U	190	4.5	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Dibenz(a,h)anthracene	190	U	190	2.3	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Dibenzofuran	**49**	**J**	190	2.0	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Diethyl phthalate	190	U	190	5.8	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Dimethyl phthalate	190	U	190	5.0	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-41 8'

Date Collected: 12/10/12 15:25
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-8
Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**68**	**J**	190	2.8	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Fluorene	**66**	**J**	190	4.4	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Hexachlorobenzene	190	U	190	9.6	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Hexachlorobutadiene	190	U	190	9.9	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Hexachlorocyclopentadiene	190	U	190	58	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Hexachloroethane	190	U	190	15	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Indeno(1,2,3-cd)pyrene	190	U	190	5.3	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Isophorone	190	U	190	9.6	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
N-Nitrosodi-n-propylamine	190	U	190	15	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
N-Nitrosodiphenylamine	190	U	190	11	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Naphthalene	**51**	**J**	190	3.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Nitrobenzene	190	U	190	8.5	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Pentachlorophenol	**310**	**J**	380	66	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Phenanthrene	**310**		190	4.0	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Phenol	190	U	190	20	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1
Pyrene	190	U	190	1.2	ug/Kg	☼	12/11/12 08:49	12/12/12 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*39 - 146*	*12/11/12 08:49*	*12/12/12 15:46*	*1*
2-Fluorobiphenyl	*89*		*37 - 120*	*12/11/12 08:49*	*12/12/12 15:46*	*1*
2-Fluorophenol	*60*		*18 - 120*	*12/11/12 08:49*	*12/12/12 15:46*	*1*
Nitrobenzene-d5	*88*		*34 - 132*	*12/11/12 08:49*	*12/12/12 15:46*	*1*
p-Terphenyl-d14	*90*		*65 - 153*	*12/11/12 08:49*	*12/12/12 15:46*	*1*
Phenol-d5	*83*		*11 - 120*	*12/11/12 08:49*	*12/12/12 15:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**730**		95	29	mg/Kg	☼	12/12/12 07:15	12/13/12 18:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*112*		*48 - 125*	*12/12/12 07:15*	*12/13/12 18:40*	*5*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-41 12'
Date Collected: 12/10/12 15:30
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-9
Matrix: Solid
Percent Solids: 93.4

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	☼	12/11/12 08:49	12/12/12 16:10	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2,4,5-Trichlorophenol	180	U	180	39	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2,4-Dichlorophenol	180	U	180	9.4	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2,4-Dimethylphenol	180	U	180	48	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2,4-Dinitrophenol	350	U	350	63	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2,6-Dinitrotoluene	180	U	180	44	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2-Chlorophenol	180	U	180	9.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2-Methylnaphthalene	**20**	**J**	180	2.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2-Methylphenol	180	U	180	5.5	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2-Nitroaniline	350	U	350	57	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
2-Nitrophenol	180	U	180	8.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
3-Nitroaniline	350	U	350	41	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
4,6-Dinitro-2-methylphenol	350	U	350	62	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
4-Bromophenyl phenyl ether	180	U	180	57	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
4-Chloro-3-methylphenol	180	U	180	7.4	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
4-Chloroaniline	180	U	180	52	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
4-Chlorophenyl phenyl ether	180	U	180	3.8	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
4-Methylphenol	**14**	**J**	350	10	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
4-Nitroaniline	350	U	350	20	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
4-Nitrophenol	350	U	350	43	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Acenaphthene	180	U	180	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Acetophenone	180	U	180	9.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Anthracene	180	U	180	4.6	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Atrazine	180	U	180	8.0	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Benzaldehyde	180	U	180	20	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Benzo(a)anthracene	180	U	180	3.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Benzo(a)pyrene	180	U	180	4.3	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Benzo(b)fluoranthene	180	U	180	3.5	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Benzo(g,h,i)perylene	180	U	180	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Benzo(k)fluoranthene	180	U	180	2.0	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Bis(2-chloroethoxy)methane	180	U	180	9.7	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Bis(2-chloroethyl)ether	180	U	180	15	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Bis(2-ethylhexyl) phthalate	**530**		180	58	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Butyl benzyl phthalate	180	U	180	48	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Caprolactam	180	U	180	77	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Carbazole	180	U	180	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Chrysene	180	U	180	1.8	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Di-n-butyl phthalate	180	U	180	62	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Di-n-octyl phthalate	**680**		180	4.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Dibenz(a,h)anthracene	180	U	180	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Dibenzofuran	180	U	180	1.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Diethyl phthalate	180	U	180	5.4	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Dimethyl phthalate	180	U	180	4.7	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-41 12'

Date Collected: 12/10/12 15:30
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-9

Matrix: Solid
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**20**	**J**	180	2.6	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Fluorene	**13**	**J**	180	4.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Hexachlorobenzene	180	U	180	8.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Hexachlorobutadiene	180	U	180	9.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Hexachlorocyclopentadiene	180	U	180	54	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Indeno(1,2,3-cd)pyrene	180	U	180	4.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Isophorone	180	U	180	8.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
N-Nitrosodi-n-propylamine	180	U	180	14	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
N-Nitrosodiphenylamine	180	U	180	9.8	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Naphthalene	180	U	180	3.0	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Nitrobenzene	180	U	180	7.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Pentachlorophenol	**180**	**J**	350	61	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Phenanthrene	**54**	**J**	180	3.8	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Phenol	180	U	180	19	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1
Pyrene	**28**	**J**	180	1.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*39 - 146*	*12/11/12 08:49*	*12/12/12 16:10*	*1*
2-Fluorobiphenyl	*92*		*37 - 120*	*12/11/12 08:49*	*12/12/12 16:10*	*1*
2-Fluorophenol	*62*		*18 - 120*	*12/11/12 08:49*	*12/12/12 16:10*	*1*
Nitrobenzene-d5	*90*		*34 - 132*	*12/11/12 08:49*	*12/12/12 16:10*	*1*
p-Terphenyl-d14	*90*		*65 - 153*	*12/11/12 08:49*	*12/12/12 16:10*	*1*
Phenol-d5	*87*		*11 - 120*	*12/11/12 08:49*	*12/12/12 16:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**150**		17	5.2	mg/Kg	☼	12/12/12 07:15	12/13/12 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*48 - 125*	*12/12/12 07:15*	*12/13/12 13:38*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-40 6'
Date Collected: 12/10/12 14:30
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-10
Matrix: Solid
Percent Solids: 92.9

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	☼	12/11/12 08:49	12/12/12 16:34	1
bis (2-chloroisopropyl) ether	180	U	180	19	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2,4,5-Trichlorophenol	180	U	180	39	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2,4,6-Trichlorophenol	180	U	180	12	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2,4-Dichlorophenol	180	U	180	9.4	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2,4-Dimethylphenol	180	U	180	48	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2,4-Dinitrophenol	350	U	350	63	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2,4-Dinitrotoluene	180	U	180	28	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2,6-Dinitrotoluene	180	U	180	44	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2-Chloronaphthalene	180	U	180	12	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2-Chlorophenol	180	U	180	9.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2-Methylnaphthalene	180	U	180	2.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2-Methylphenol	180	U	180	5.5	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2-Nitroaniline	350	U	350	57	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
2-Nitrophenol	180	U	180	8.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
3,3'-Dichlorobenzidine	180	U	180	160	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
3-Nitroaniline	350	U	350	41	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
4,6-Dinitro-2-methylphenol	350	U	350	62	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
4-Bromophenyl phenyl ether	180	U	180	57	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
4-Chloro-3-methylphenol	180	U	180	7.4	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
4-Chloroaniline	180	U	180	52	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
4-Chlorophenyl phenyl ether	180	U	180	3.8	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
4-Methylphenol	350	U	350	10	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
4-Nitroaniline	350	U	350	20	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
4-Nitrophenol	350	U	350	43	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Acenaphthene	180	U	180	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Acenaphthylene	180	U	180	1.5	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Acetophenone	180	U	180	9.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Anthracene	180	U	180	4.6	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Atrazine	180	U	180	8.0	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Benzaldehyde	180	U	180	20	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Benzo(a)anthracene	180	U	180	3.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Benzo(a)pyrene	180	U	180	4.3	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Benzo(b)fluoranthene	180	U	180	3.5	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Benzo(g,h,i)perylene	180	U	180	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Benzo(k)fluoranthene	180	U	180	2.0	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Bis(2-chloroethoxy)methane	180	U	180	9.7	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Bis(2-chloroethyl)ether	180	U	180	15	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Bis(2-ethylhexyl) phthalate	180	U	180	58	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Butyl benzyl phthalate	180	U	180	48	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Caprolactam	180	U	180	77	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Carbazole	180	U	180	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Chrysene	180	U	180	1.8	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Di-n-butyl phthalate	180	U	180	62	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Di-n-octyl phthalate	180	U	180	4.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Dibenz(a,h)anthracene	180	U	180	2.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Dibenzofuran	180	U	180	1.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Diethyl phthalate	180	U	180	5.4	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Dimethyl phthalate	180	U	180	4.7	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1

Client Sample ID: PH-40 6'

Date Collected: 12/10/12 14:30
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-10
Matrix: Solid
Percent Solids: 92.9

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	☼	12/11/12 08:49	12/12/12 16:34	1
Fluorene	180	U	180	4.1	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Hexachlorobenzene	180	U	180	8.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Hexachlorobutadiene	180	U	180	9.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Hexachlorocyclopentadiene	180	U	180	54	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Hexachloroethane	180	U	180	14	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Indeno(1,2,3-cd)pyrene	180	U	180	4.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Isophorone	180	U	180	8.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
N-Nitrosodi-n-propylamine	180	U	180	14	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
N-Nitrosodiphenylamine	180	U	180	9.8	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Naphthalene	180	U	180	3.0	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Nitrobenzene	180	U	180	7.9	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Pentachlorophenol	350	U	350	61	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Phenanthrene	180	U	180	3.8	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Phenol	180	U	180	19	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1
Pyrene	180	U	180	1.2	ug/Kg	☼	12/11/12 08:49	12/12/12 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*39 - 146*	*12/11/12 08:49*	*12/12/12 16:34*	*1*
2-Fluorobiphenyl	*88*		*37 - 120*	*12/11/12 08:49*	*12/12/12 16:34*	*1*
2-Fluorophenol	*59*		*18 - 120*	*12/11/12 08:49*	*12/12/12 16:34*	*1*
Nitrobenzene-d5	*85*		*34 - 132*	*12/11/12 08:49*	*12/12/12 16:34*	*1*
p-Terphenyl-d14	*95*		*65 - 153*	*12/11/12 08:49*	*12/12/12 16:34*	*1*
Phenol-d5	*83*		*11 - 120*	*12/11/12 08:49*	*12/12/12 16:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**10**	**J**	18	5.3	mg/Kg	☼	12/12/12 07:15	12/13/12 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*48 - 125*	*12/12/12 07:15*	*12/13/12 14:45*	*1*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-43 11'
Date Collected: 12/10/12 16:30
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-11
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	1900	U	1900	120	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
bis (2-chloroisopropyl) ether	1900	U	1900	190	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2,4,5-Trichlorophenol	1900	U	1900	400	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2,4,6-Trichlorophenol	1900	U	1900	120	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2,4-Dichlorophenol	1900	U	1900	97	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2,4-Dimethylphenol	1900	U	1900	500	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2,4-Dinitrophenol	3600	U	3600	650	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2,4-Dinitrotoluene	1900	U	1900	290	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2,6-Dinitrotoluene	1900	U	1900	450	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2-Chloronaphthalene	1900	U	1900	120	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2-Chlorophenol	1900	U	1900	94	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2-Methylnaphthalene	**150**	**J**	1900	22	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2-Methylphenol	1900	U	1900	57	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2-Nitroaniline	3600	U	3600	600	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
2-Nitrophenol	1900	U	1900	85	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
3,3'-Dichlorobenzidine	1900	U	1900	1600	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
3-Nitroaniline	3600	U	3600	430	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
4,6-Dinitro-2-methylphenol	3600	U	3600	640	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
4-Bromophenyl phenyl ether	1900	U	1900	590	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
4-Chloro-3-methylphenol	1900	U	1900	76	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
4-Chloroaniline	1900	U	1900	540	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
4-Chlorophenyl phenyl ether	1900	U	1900	40	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
4-Methylphenol	3600	U	3600	100	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
4-Nitroaniline	3600	U	3600	210	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
4-Nitrophenol	3600	U	3600	450	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Acenaphthene	1900	U	1900	22	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Acenaphthylene	1900	U	1900	15	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Acetophenone	1900	U	1900	95	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Anthracene	1900	U	1900	47	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Atrazine	1900	U	1900	83	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Benzaldehyde	1900	U	1900	200	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Benzo(a)anthracene	1900	U	1900	32	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Benzo(a)pyrene	1900	U	1900	45	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Benzo(b)fluoranthene	1900	U	1900	36	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Benzo(g,h,i)perylene	1900	U	1900	22	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Benzo(k)fluoranthene	1900	U	1900	20	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Bis(2-chloroethoxy)methane	1900	U	1900	100	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Bis(2-chloroethyl)ether	1900	U	1900	160	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Bis(2-ethylhexyl) phthalate	**3300**		1900	600	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Butyl benzyl phthalate	1900	U	1900	500	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Caprolactam	1900	U	1900	800	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Carbazole	1900	U	1900	21	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Chrysene	1900	U	1900	19	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Di-n-butyl phthalate	1900	U	1900	640	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Di-n-octyl phthalate	1900	U	1900	43	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Dibenz(a,h)anthracene	1900	U	1900	22	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Dibenzofuran	1900	U	1900	19	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Diethyl phthalate	1900	U	1900	56	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Dimethyl phthalate	1900	U	1900	48	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-43 11'

Date Collected: 12/10/12 16:30
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-11

Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**350**	**J**	1900	27	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Fluorene	1900	U	1900	43	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Hexachlorobenzene	1900	U	1900	92	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Hexachlorobutadiene	1900	U	1900	95	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Hexachlorocyclopentadiene	1900	U	1900	560	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Hexachloroethane	1900	U	1900	140	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Indeno(1,2,3-cd)pyrene	1900	U	1900	51	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Isophorone	1900	U	1900	93	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
N-Nitrosodi-n-propylamine	1900	U	1900	150	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
N-Nitrosodiphenylamine	1900	U	1900	100	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Naphthalene	**150**	**J**	1900	31	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Nitrobenzene	1900	U	1900	82	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Pentachlorophenol	3600	U	3600	640	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Phenanthrene	**740**	**J**	1900	39	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Phenol	1900	U	1900	200	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10
Pyrene	**280**	**J**	1900	12	ug/Kg	☼	12/11/12 08:49	12/12/12 16:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*39 - 146*	*12/11/12 08:49*	*12/12/12 16:58*	*10*
2-Fluorobiphenyl	*89*		*37 - 120*	*12/11/12 08:49*	*12/12/12 16:58*	*10*
2-Fluorophenol	*83*		*18 - 120*	*12/11/12 08:49*	*12/12/12 16:58*	*10*
Nitrobenzene-d5	*91*		*34 - 132*	*12/11/12 08:49*	*12/12/12 16:58*	*10*
p-Terphenyl-d14	*86*		*65 - 153*	*12/11/12 08:49*	*12/12/12 16:58*	*10*
Phenol-d5	*78*		*11 - 120*	*12/11/12 08:49*	*12/12/12 16:58*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3600**		180	55	mg/Kg	☼	12/12/12 07:15	12/14/12 08:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*48 - 125*	*12/12/12 07:15*	*12/14/12 08:24*	*10*

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-40

Date Collected: 12/10/12 16:40
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-12
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			12/13/12 10:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			12/13/12 10:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			12/13/12 10:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/13/12 10:56	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			12/13/12 10:56	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			12/13/12 10:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			12/13/12 10:56	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			12/13/12 10:56	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			12/13/12 10:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			12/13/12 10:56	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/13/12 10:56	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			12/13/12 10:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			12/13/12 10:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			12/13/12 10:56	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			12/13/12 10:56	1
2-Butanone (MEK)	**1.6**	**J**	10	1.3	ug/L			12/13/12 10:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			12/13/12 10:56	1
Acetone	**5.6**	**J**	10	3.0	ug/L			12/13/12 10:56	1
Benzene	1.0	U	1.0	0.41	ug/L			12/13/12 10:56	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			12/13/12 10:56	1
Bromoform	1.0	U	1.0	0.26	ug/L			12/13/12 10:56	1
Bromomethane	1.0	U	1.0	0.69	ug/L			12/13/12 10:56	1
Carbon disulfide	**0.30**	**J**	1.0	0.19	ug/L			12/13/12 10:56	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			12/13/12 10:56	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			12/13/12 10:56	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			12/13/12 10:56	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/13/12 10:56	1
Chloroform	1.0	U	1.0	0.34	ug/L			12/13/12 10:56	1
Chloromethane	1.0	U	1.0	0.35	ug/L			12/13/12 10:56	1
cis-1,2-Dichloroethene	**3.6**		1.0	0.81	ug/L			12/13/12 10:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			12/13/12 10:56	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			12/13/12 10:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			12/13/12 10:56	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			12/13/12 10:56	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			12/13/12 10:56	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			12/13/12 10:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			12/13/12 10:56	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			12/13/12 10:56	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			12/13/12 10:56	1
Styrene	1.0	U	1.0	0.73	ug/L			12/13/12 10:56	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			12/13/12 10:56	1
Toluene	1.0	U	1.0	0.51	ug/L			12/13/12 10:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			12/13/12 10:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			12/13/12 10:56	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			12/13/12 10:56	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			12/13/12 10:56	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			12/13/12 10:56	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			12/13/12 10:56	1

Client Sample Results

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-40

Date Collected: 12/10/12 16:40
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-12

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*12/13/12 10:56*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*12/13/12 10:56*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*12/13/12 10:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	120	U	120	15	ug/L		12/11/12 13:43	12/12/12 20:02	20
bis (2-chloroisopropyl) ether	120	U	120	12	ug/L		12/11/12 13:43	12/12/12 20:02	20
2,4,5-Trichlorophenol	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
2,4,6-Trichlorophenol	120	U	120	14	ug/L		12/11/12 13:43	12/12/12 20:02	20
2,4-Dichlorophenol	120	U	120	12	ug/L		12/11/12 13:43	12/12/12 20:02	20
2,4-Dimethylphenol	120	U	120	12	ug/L		12/11/12 13:43	12/12/12 20:02	20
2,4-Dinitrophenol	240	U *	240	52	ug/L		12/11/12 13:43	12/12/12 20:02	20
2,4-Dinitrotoluene	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
2,6-Dinitrotoluene	120	U	120	9.4	ug/L		12/11/12 13:43	12/12/12 20:02	20
2-Chloronaphthalene	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
2-Chlorophenol	120	U	120	12	ug/L		12/11/12 13:43	12/12/12 20:02	20
2-Methylnaphthalene	120	U	120	14	ug/L		12/11/12 13:43	12/12/12 20:02	20
2-Methylphenol	120	U	120	9.4	ug/L		12/11/12 13:43	12/12/12 20:02	20
2-Nitroaniline	240	U	240	9.9	ug/L		12/11/12 13:43	12/12/12 20:02	20
2-Nitrophenol	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
3,3'-Dichlorobenzidine	120	U	120	9.4	ug/L		12/11/12 13:43	12/12/12 20:02	20
3-Nitroaniline	240	U	240	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
4,6-Dinitro-2-methylphenol	240	U *	240	52	ug/L		12/11/12 13:43	12/12/12 20:02	20
4-Bromophenyl phenyl ether	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
4-Chloro-3-methylphenol	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
4-Chloroaniline	120	U	120	14	ug/L		12/11/12 13:43	12/12/12 20:02	20
4-Chlorophenyl phenyl ether	120	U	120	8.2	ug/L		12/11/12 13:43	12/12/12 20:02	20
4-Methylphenol	240	U	240	8.5	ug/L		12/11/12 13:43	12/12/12 20:02	20
4-Nitroaniline	240	U	240	5.9	ug/L		12/11/12 13:43	12/12/12 20:02	20
4-Nitrophenol	240	U	240	36	ug/L		12/11/12 13:43	12/12/12 20:02	20
Acenaphthene	120	U	120	9.6	ug/L		12/11/12 13:43	12/12/12 20:02	20
Acenaphthylene	120	U	120	8.9	ug/L		12/11/12 13:43	12/12/12 20:02	20
Acetophenone	120	U	120	13	ug/L		12/11/12 13:43	12/12/12 20:02	20
Anthracene	120	U	120	6.6	ug/L		12/11/12 13:43	12/12/12 20:02	20
Atrazine	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
Benzaldehyde	120	U	120	6.3	ug/L		12/11/12 13:43	12/12/12 20:02	20
Benzo(a)anthracene	120	U	120	8.5	ug/L		12/11/12 13:43	12/12/12 20:02	20
Benzo(a)pyrene	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
Benzo(b)fluoranthene	120	U	120	8.0	ug/L		12/11/12 13:43	12/12/12 20:02	20
Benzo(g,h,i)perylene	120	U	120	8.2	ug/L		12/11/12 13:43	12/12/12 20:02	20
Benzo(k)fluoranthene	120	U	120	17	ug/L		12/11/12 13:43	12/12/12 20:02	20
Bis(2-chloroethoxy)methane	120	U	120	8.2	ug/L		12/11/12 13:43	12/12/12 20:02	20
Bis(2-chloroethyl)ether	120	U	120	9.4	ug/L		12/11/12 13:43	12/12/12 20:02	20
Bis(2-ethylhexyl) phthalate	**110**	**J**	120	42	ug/L		12/11/12 13:43	12/12/12 20:02	20
Butyl benzyl phthalate	120	U	120	9.9	ug/L		12/11/12 13:43	12/12/12 20:02	20
Caprolactam	120	U *	120	52	ug/L		12/11/12 13:43	12/12/12 20:02	20
Carbazole	120	U	120	7.1	ug/L		12/11/12 13:43	12/12/12 20:02	20
Chrysene	120	U	120	7.8	ug/L		12/11/12 13:43	12/12/12 20:02	20
Di-n-butyl phthalate	120	U	120	7.3	ug/L		12/11/12 13:43	12/12/12 20:02	20

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-40
Date Collected: 12/10/12 16:40
Date Received: 12/11/12 08:00

Lab Sample ID: 480-29905-12
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	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
Dibenz(a,h)anthracene	120	U	120	9.9	ug/L		12/11/12 13:43	12/12/12 20:02	20
Dibenzofuran	240	U	240	12	ug/L		12/11/12 13:43	12/12/12 20:02	20
Diethyl phthalate	120	U	120	5.2	ug/L		12/11/12 13:43	12/12/12 20:02	20
Dimethyl phthalate	120	U	120	8.5	ug/L		12/11/12 13:43	12/12/12 20:02	20
Fluoranthene	120	U	120	9.4	ug/L		12/11/12 13:43	12/12/12 20:02	20
Fluorene	120	U	120	8.5	ug/L		12/11/12 13:43	12/12/12 20:02	20
Hexachlorobenzene	120	U	120	12	ug/L		12/11/12 13:43	12/12/12 20:02	20
Hexachlorobutadiene	120	U	120	16	ug/L		12/11/12 13:43	12/12/12 20:02	20
Hexachlorocyclopentadiene	120	U	120	14	ug/L		12/11/12 13:43	12/12/12 20:02	20
Hexachloroethane	120	U	120	14	ug/L		12/11/12 13:43	12/12/12 20:02	20
Indeno(1,2,3-cd)pyrene	120	U	120	11	ug/L		12/11/12 13:43	12/12/12 20:02	20
Isophorone	120	U	120	10	ug/L		12/11/12 13:43	12/12/12 20:02	20
N-Nitrosodi-n-propylamine	120	U	120	13	ug/L		12/11/12 13:43	12/12/12 20:02	20
N-Nitrosodiphenylamine	120	U	120	12	ug/L		12/11/12 13:43	12/12/12 20:02	20
Naphthalene	120	U	120	18	ug/L		12/11/12 13:43	12/12/12 20:02	20
Nitrobenzene	120	U	120	6.8	ug/L		12/11/12 13:43	12/12/12 20:02	20
Pentachlorophenol	240	U *	240	52	ug/L		12/11/12 13:43	12/12/12 20:02	20
Phenanthrene	120	U	120	10	ug/L		12/11/12 13:43	12/12/12 20:02	20
Phenol	120	U	120	9.2	ug/L		12/11/12 13:43	12/12/12 20:02	20
Pyrene	120	U	120	8.0	ug/L		12/11/12 13:43	12/12/12 20:02	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*52 - 132*	*12/11/12 13:43*	*12/12/12 20:02*	*20*
2-Fluorobiphenyl	*57*		*48 - 120*	*12/11/12 13:43*	*12/12/12 20:02*	*20*
2-Fluorophenol	*25*		*20 - 120*	*12/11/12 13:43*	*12/12/12 20:02*	*20*
Nitrobenzene-d5	*55*		*46 - 120*	*12/11/12 13:43*	*12/12/12 20:02*	*20*
p-Terphenyl-d14	*35*	*X*	*67 - 150*	*12/11/12 13:43*	*12/12/12 20:02*	*20*
Phenol-d5	*16*		*16 - 120*	*12/11/12 13:43*	*12/12/12 20:02*	*20*

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

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)
480-29905-1	PH-34 2'	93	83	81
480-29905-2	PH-35 2'	94	93	89
480-29905-3	PH-36 2'	92	90	88
480-29905-4	PH-37 2.5'	95	85	81
480-29905-5	PH-38 8'	93	86	82
LCS 480-95433/4	Lab Control Sample	93	92	87
LCS 480-95715/5	Lab Control Sample	88	92	89
MB 480-95433/5	Method Blank	84	86	80
MB 480-95715/8	Method Blank	86	93	87

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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	(53-146)	(50-149)	(49-148)
480-29905-1 - DL	PH-34 2'	91	97	99
LCS 480-95999/1-A	Lab Control Sample	95	97	95
MB 480-95999/2-A	Method Blank	95	101	97

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)
480-29905-12	PH-40	94	101	86
LCS 480-95565/3	Lab Control Sample	96	102	87
MB 480-95565/4	Method Blank	95	99	87

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

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)
480-29905-6	PH-39 11.5'	82	78	58	73	81	67
480-29905-7	PH-40 13'	94	85	53	77	97	74
480-29905-8	PH-41 8'	95	89	60	88	90	83
480-29905-9	PH-41 12'	97	92	62	90	90	87
480-29905-10	PH-40 6'	105	88	59	85	95	83
480-29905-11	PH-43 11'	92	89	83	91	86	78
LCS 480-95169/2-A	Lab Control Sample	98	91	61	88	101	84
MB 480-95169/1-A	Method Blank	89	83	58	81	102	78

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)

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)
480-29905-12	PH-40	66	57	25	55	35 X	16
LCS 480-95248/2-A	Lab Control Sample	104	89	43	91	102	33
LCSD 480-95248/3-A	Lab Control Sample Dup	112	93	47	96	108	35
MB 480-95248/1-A	Method Blank	116	90	46	90	113	32

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)
480-29905-6	PH-39 11.5'	42 X
480-29905-7	PH-40 13'	142 X
480-29905-7 MS	PH-40 13'	93
480-29905-7 MSD	PH-40 13'	117
480-29905-8	PH-41 8'	112
480-29905-9	PH-41 12'	80
480-29905-10	PH-40 6'	85
480-29905-11	PH-43 11'	106

Surrogate Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**OTPH1 (48-125)**							
LCS 480-95356/2-A	Lab Control Sample	91							
MB 480-95356/1-A	Method Blank	75							

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-95433/5
Matrix: Solid
Analysis Batch: 95433

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			12/12/12 17:36	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg			12/12/12 17:36	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg			12/12/12 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg			12/12/12 17:36	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg			12/12/12 17:36	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg			12/12/12 17:36	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg			12/12/12 17:36	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg			12/12/12 17:36	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg			12/12/12 17:36	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg			12/12/12 17:36	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg			12/12/12 17:36	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg			12/12/12 17:36	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg			12/12/12 17:36	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg			12/12/12 17:36	1
2-Hexanone	25	U	25	2.5	ug/Kg			12/12/12 17:36	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg			12/12/12 17:36	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg			12/12/12 17:36	1
Acetone	25	U	25	4.2	ug/Kg			12/12/12 17:36	1
Benzene	5.0	U	5.0	0.25	ug/Kg			12/12/12 17:36	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg			12/12/12 17:36	1
Bromoform	5.0	U	5.0	2.5	ug/Kg			12/12/12 17:36	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg			12/12/12 17:36	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg			12/12/12 17:36	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg			12/12/12 17:36	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg			12/12/12 17:36	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg			12/12/12 17:36	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg			12/12/12 17:36	1
Chloroform	5.0	U	5.0	0.31	ug/Kg			12/12/12 17:36	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg			12/12/12 17:36	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg			12/12/12 17:36	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg			12/12/12 17:36	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg			12/12/12 17:36	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg			12/12/12 17:36	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg			12/12/12 17:36	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg			12/12/12 17:36	1
Methyl acetate	5.0	U	5.0	0.93	ug/Kg			12/12/12 17:36	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg			12/12/12 17:36	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg			12/12/12 17:36	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg			12/12/12 17:36	1
Styrene	5.0	U	5.0	0.25	ug/Kg			12/12/12 17:36	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg			12/12/12 17:36	1
Toluene	5.0	U	5.0	0.38	ug/Kg			12/12/12 17:36	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg			12/12/12 17:36	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg			12/12/12 17:36	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg			12/12/12 17:36	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg			12/12/12 17:36	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg			12/12/12 17:36	1
Xylenes, Total	10	U	10	0.84	ug/Kg			12/12/12 17:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-95433/5
Matrix: Solid
Analysis Batch: 95433

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		64 - 126		12/12/12 17:36	1
Toluene-d8 (Surr)	86		71 - 125		12/12/12 17:36	1
4-Bromofluorobenzene (Surr)	80		72 - 126		12/12/12 17:36	1

Lab Sample ID: LCS 480-95433/4
Matrix: Solid
Analysis Batch: 95433

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	55.7		ug/Kg		111	73 - 126
1,1-Dichloroethene	50.0	58.1		ug/Kg		116	59 - 125
1,2-Dichlorobenzene	50.0	51.7		ug/Kg		103	75 - 120
1,2-Dichloroethane	50.0	55.6		ug/Kg		111	77 - 122
Benzene	50.0	56.0		ug/Kg		112	79 - 127
Chlorobenzene	50.0	52.6		ug/Kg		105	76 - 124
cis-1,2-Dichloroethene	50.0	55.7		ug/Kg		111	81 - 117
Ethylbenzene	50.0	52.8		ug/Kg		106	80 - 120
Methyl tert-butyl ether	50.0	55.1		ug/Kg		110	63 - 125
Tetrachloroethene	50.0	54.2		ug/Kg		108	74 - 122
Toluene	50.0	52.7		ug/Kg		105	74 - 128
trans-1,2-Dichloroethene	50.0	57.1		ug/Kg		114	78 - 126
Trichloroethene	50.0	55.6		ug/Kg		111	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)	87		72 - 126

Lab Sample ID: MB 480-95565/4
Matrix: Water
Analysis Batch: 95565

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			12/13/12 10:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			12/13/12 10:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			12/13/12 10:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/13/12 10:27	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			12/13/12 10:27	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			12/13/12 10:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			12/13/12 10:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			12/13/12 10:27	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			12/13/12 10:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			12/13/12 10:27	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/13/12 10:27	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			12/13/12 10:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			12/13/12 10:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			12/13/12 10:27	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			12/13/12 10:27	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-95565/4
Matrix: Water
Analysis Batch: 95565

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			12/13/12 10:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			12/13/12 10:27	1
Acetone	10	U	10	3.0	ug/L			12/13/12 10:27	1
Benzene	1.0	U	1.0	0.41	ug/L			12/13/12 10:27	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			12/13/12 10:27	1
Bromoform	1.0	U	1.0	0.26	ug/L			12/13/12 10:27	1
Bromomethane	1.0	U	1.0	0.69	ug/L			12/13/12 10:27	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			12/13/12 10:27	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			12/13/12 10:27	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			12/13/12 10:27	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			12/13/12 10:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/13/12 10:27	1
Chloroform	1.0	U	1.0	0.34	ug/L			12/13/12 10:27	1
Chloromethane	1.0	U	1.0	0.35	ug/L			12/13/12 10:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			12/13/12 10:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			12/13/12 10:27	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			12/13/12 10:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			12/13/12 10:27	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			12/13/12 10:27	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			12/13/12 10:27	1
Methyl acetate	1.0	U	1.0	0.50	ug/L			12/13/12 10:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			12/13/12 10:27	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			12/13/12 10:27	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			12/13/12 10:27	1
Styrene	1.0	U	1.0	0.73	ug/L			12/13/12 10:27	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			12/13/12 10:27	1
Toluene	1.0	U	1.0	0.51	ug/L			12/13/12 10:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			12/13/12 10:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			12/13/12 10:27	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			12/13/12 10:27	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			12/13/12 10:27	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			12/13/12 10:27	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			12/13/12 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*12/13/12 10:27*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/13/12 10:27*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*12/13/12 10:27*	*1*

Lab Sample ID: LCS 480-95565/3
Matrix: Water
Analysis Batch: 95565

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	22.8		ug/L		91	71 - 129
1,1-Dichloroethene	25.0	20.4		ug/L		82	58 - 121
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-95565/3
Matrix: Water
Analysis Batch: 95565

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	23.8		ug/L		95	71 - 124
Chlorobenzene	25.0	24.1		ug/L		96	72 - 120
cis-1,2-Dichloroethene	25.0	23.4		ug/L		93	74 - 124
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Methyl tert-butyl ether	25.0	21.8		ug/L		87	64 - 127
Tetrachloroethene	25.0	23.0		ug/L		92	74 - 122
Toluene	25.0	23.5		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
Trichloroethene	25.0	23.7		ug/L		95	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*
Toluene-d8 (Surr)	*102*		*71 - 126*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*

Lab Sample ID: MB 480-95715/8
Matrix: Solid
Analysis Batch: 95715

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			12/14/12 00:25	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg			12/14/12 00:25	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg			12/14/12 00:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg			12/14/12 00:25	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg			12/14/12 00:25	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg			12/14/12 00:25	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg			12/14/12 00:25	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg			12/14/12 00:25	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg			12/14/12 00:25	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg			12/14/12 00:25	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg			12/14/12 00:25	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg			12/14/12 00:25	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg			12/14/12 00:25	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg			12/14/12 00:25	1
2-Hexanone	25	U	25	2.5	ug/Kg			12/14/12 00:25	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg			12/14/12 00:25	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg			12/14/12 00:25	1
Acetone	25	U	25	4.2	ug/Kg			12/14/12 00:25	1
Benzene	5.0	U	5.0	0.25	ug/Kg			12/14/12 00:25	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg			12/14/12 00:25	1
Bromoform	5.0	U	5.0	2.5	ug/Kg			12/14/12 00:25	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg			12/14/12 00:25	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg			12/14/12 00:25	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg			12/14/12 00:25	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg			12/14/12 00:25	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg			12/14/12 00:25	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg			12/14/12 00:25	1
Chloroform	5.0	U	5.0	0.31	ug/Kg			12/14/12 00:25	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-95715/8
Matrix: Solid
Analysis Batch: 95715

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	5.0	U	5.0	0.30	ug/Kg			12/14/12 00:25	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg			12/14/12 00:25	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg			12/14/12 00:25	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg			12/14/12 00:25	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg			12/14/12 00:25	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg			12/14/12 00:25	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg			12/14/12 00:25	1
Methyl acetate	5.0	U	5.0	0.93	ug/Kg			12/14/12 00:25	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg			12/14/12 00:25	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg			12/14/12 00:25	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg			12/14/12 00:25	1
Styrene	5.0	U	5.0	0.25	ug/Kg			12/14/12 00:25	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg			12/14/12 00:25	1
Toluene	5.0	U	5.0	0.38	ug/Kg			12/14/12 00:25	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg			12/14/12 00:25	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg			12/14/12 00:25	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg			12/14/12 00:25	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg			12/14/12 00:25	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg			12/14/12 00:25	1
Xylenes, Total	10	U	10	0.84	ug/Kg			12/14/12 00:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*64 - 126*		*12/14/12 00:25*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*		*12/14/12 00:25*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 126*		*12/14/12 00:25*	*1*

Lab Sample ID: LCS 480-95715/5
Matrix: Solid
Analysis Batch: 95715

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	54.4		ug/Kg		109	73 - 126
1,1-Dichloroethene	50.0	57.2		ug/Kg		114	59 - 125
1,2-Dichlorobenzene	50.0	52.6		ug/Kg		105	75 - 120
1,2-Dichloroethane	50.0	53.5		ug/Kg		107	77 - 122
Benzene	50.0	54.4		ug/Kg		109	79 - 127
Chlorobenzene	50.0	54.8		ug/Kg		110	76 - 124
cis-1,2-Dichloroethene	50.0	53.8		ug/Kg		108	81 - 117
Ethylbenzene	50.0	54.7		ug/Kg		109	80 - 120
Methyl tert-butyl ether	50.0	51.9		ug/Kg		104	63 - 125
Tetrachloroethene	50.0	61.0		ug/Kg		122	74 - 122
Toluene	50.0	54.2		ug/Kg		108	74 - 128
trans-1,2-Dichloroethene	50.0	55.1		ug/Kg		110	78 - 126
Trichloroethene	50.0	54.3		ug/Kg		109	77 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*64 - 126*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-95715/5
Matrix: Solid
Analysis Batch: 95715

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*92*		*71 - 125*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*

Lab Sample ID: MB 480-95999/2-A
Matrix: Solid
Analysis Batch: 95983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	50	U	50	14	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,1,2,2-Tetrachloroethane	50	U	50	8.1	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,1,2-Trichloroethane	50	U	50	11	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	50	25	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,1-Dichloroethane	50	U	50	15	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,1-Dichloroethene	50	U	50	17	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,2,4-Trichlorobenzene	50	U	50	19	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,2-Dibromo-3-Chloropropane	50	U	50	25	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,2-Dibromoethane	50	U	50	1.9	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,2-Dichlorobenzene	50	U	50	13	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,2-Dichloroethane	50	U	50	20	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,2-Dichloropropane	50	U	50	8.1	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,3-Dichlorobenzene	50	U	50	13	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
1,4-Dichlorobenzene	50	U	50	7.0	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
2-Hexanone	250	U	250	100	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
2-Butanone (MEK)	250	U	250	150	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
4-Methyl-2-pentanone (MIBK)	250	U	250	16	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Acetone	250	U	250	210	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Benzene	50	U	50	2.4	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Bromodichloromethane	50	U	50	10	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Bromoform	50	U	50	25	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Bromomethane	50	U	50	11	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Carbon disulfide	50	U	50	23	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Carbon tetrachloride	50	U	50	13	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Chlorobenzene	50	U	50	6.6	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Dibromochloromethane	50	U	50	24	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Chloroethane	50	U	50	10	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Chloroform	50	U	50	34	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Chloromethane	50	U	50	12	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
cis-1,2-Dichloroethene	50	U	50	14	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
cis-1,3-Dichloropropene	50	U	50	12	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Cyclohexane	50	U	50	11	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Dichlorodifluoromethane	50	U	50	22	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Ethylbenzene	50	U	50	15	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Isopropylbenzene	50	U	50	7.5	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Methyl acetate	50	U	50	24	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Methyl tert-butyl ether	50	U	50	19	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Methylcyclohexane	50	U	50	23	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Methylene Chloride	14.1	J	50	9.9	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Styrene	50	U	50	12	ug/Kg		12/15/12 13:00	12/15/12 14:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-95999/2-A
Matrix: Solid
Analysis Batch: 95983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	50	U	50	6.7	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Toluene	50	U	50	13	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
trans-1,2-Dichloroethene	50	U	50	12	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
trans-1,3-Dichloropropene	50	U	50	2.4	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Trichloroethene	50	U	50	14	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Trichlorofluoromethane	50	U	50	23	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Vinyl chloride	50	U	50	17	ug/Kg		12/15/12 13:00	12/15/12 14:21	1
Xylenes, Total	100	U	100	8.4	ug/Kg		12/15/12 13:00	12/15/12 14:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*12/15/12 13:00*	*12/15/12 14:21*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*12/15/12 13:00*	*12/15/12 14:21*	*1*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*12/15/12 13:00*	*12/15/12 14:21*	*1*

Lab Sample ID: LCS 480-95999/1-A
Matrix: Solid
Analysis Batch: 95983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1250	1290		ug/Kg		103	82 - 138
1,1-Dichloroethene	1250	912		ug/Kg		73	54 - 144
1,2-Dichlorobenzene	1250	1310		ug/Kg		105	92 - 135
1,2-Dichloroethane	1250	1310		ug/Kg		104	87 - 131
Benzene	1250	1330		ug/Kg		107	75 - 131
Chlorobenzene	1250	1330		ug/Kg		106	80 - 127
cis-1,2-Dichloroethene	1250	1290		ug/Kg		103	87 - 136
Ethylbenzene	1250	1320		ug/Kg		105	95 - 139
Methyl tert-butyl ether	1250	1180		ug/Kg		94	67 - 137
Tetrachloroethene	1250	1310		ug/Kg		105	72 - 141
Toluene	1250	1270		ug/Kg		101	76 - 133
trans-1,2-Dichloroethene	1250	1300		ug/Kg		104	81 - 147
Trichloroethene	1250	1320		ug/Kg		106	77 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*
Toluene-d8 (Surr)	*97*		*50 - 149*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*

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

Lab Sample ID: MB 480-95169/1-A
Matrix: Solid
Analysis Batch: 95413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	170	U	170	10	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
bis (2-chloroisopropyl) ether	170	U	170	17	ug/Kg		12/11/12 08:49	12/12/12 10:56	1

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

Lab Sample ID: MB 480-95169/1-A
Matrix: Solid
Analysis Batch: 95413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	170	U	170	36	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2,4,6-Trichlorophenol	170	U	170	11	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2,4-Dichlorophenol	170	U	170	8.6	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2,4-Dimethylphenol	170	U	170	44	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2,4-Dinitrophenol	320	U	320	58	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2,4-Dinitrotoluene	170	U	170	25	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2,6-Dinitrotoluene	170	U	170	40	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2-Chloronaphthalene	170	U	170	11	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2-Chlorophenol	170	U	170	8.4	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2-Methylnaphthalene	170	U	170	2.0	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2-Methylphenol	170	U	170	5.1	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2-Nitroaniline	320	U	320	53	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
2-Nitrophenol	170	U	170	7.5	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
3,3'-Dichlorobenzidine	170	U	170	140	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
3-Nitroaniline	320	U	320	38	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
4,6-Dinitro-2-methylphenol	320	U	320	57	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
4-Bromophenyl phenyl ether	170	U	170	52	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
4-Chloro-3-methylphenol	170	U	170	6.8	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
4-Chloroaniline	170	U	170	48	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
4-Chlorophenyl phenyl ether	170	U	170	3.5	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
4-Methylphenol	320	U	320	9.2	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
4-Nitroaniline	320	U	320	18	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
4-Nitrophenol	320	U	320	40	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Acenaphthene	170	U	170	1.9	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Acenaphthylene	170	U	170	1.3	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Acetophenone	170	U	170	8.5	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Anthracene	170	U	170	4.2	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Atrazine	170	U	170	7.3	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Benzaldehyde	170	U	170	18	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Benzo(a)anthracene	170	U	170	2.8	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Benzo(a)pyrene	170	U	170	4.0	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Benzo(b)fluoranthene	170	U	170	3.2	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Benzo(g,h,i)perylene	170	U	170	2.0	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Benzo(k)fluoranthene	170	U	170	1.8	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Bis(2-chloroethoxy)methane	170	U	170	9.0	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Bis(2-chloroethyl)ether	170	U	170	14	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Bis(2-ethylhexyl) phthalate	170	U	170	53	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Butyl benzyl phthalate	170	U	170	44	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Caprolactam	170	U	170	71	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Carbazole	170	U	170	1.9	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Chrysene	170	U	170	1.6	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Di-n-butyl phthalate	170	U	170	57	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Di-n-octyl phthalate	170	U	170	3.9	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Dibenz(a,h)anthracene	170	U	170	1.9	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Dibenzofuran	170	U	170	1.7	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Diethyl phthalate	170	U	170	5.0	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Dimethyl phthalate	170	U	170	4.3	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Fluoranthene	170	U	170	2.4	ug/Kg		12/11/12 08:49	12/12/12 10:56	1

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

Lab Sample ID: MB 480-95169/1-A
Matrix: Solid
Analysis Batch: 95413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	170	U	170	3.8	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Hexachlorobenzene	170	U	170	8.2	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Hexachlorobutadiene	170	U	170	8.4	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Hexachlorocyclopentadiene	170	U	170	50	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Hexachloroethane	170	U	170	13	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Indeno(1,2,3-cd)pyrene	170	U	170	4.6	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Isophorone	170	U	170	8.2	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
N-Nitrosodi-n-propylamine	170	U	170	13	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
N-Nitrosodiphenylamine	170	U	170	9.0	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Naphthalene	170	U	170	2.7	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Nitrobenzene	170	U	170	7.3	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Pentachlorophenol	320	U	320	56	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Phenanthrene	170	U	170	3.5	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Phenol	170	U	170	17	ug/Kg		12/11/12 08:49	12/12/12 10:56	1
Pyrene	170	U	170	1.1	ug/Kg		12/11/12 08:49	12/12/12 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*39 - 146*	*12/11/12 08:49*	*12/12/12 10:56*	*1*
2-Fluorobiphenyl	*83*		*37 - 120*	*12/11/12 08:49*	*12/12/12 10:56*	*1*
2-Fluorophenol	*58*		*18 - 120*	*12/11/12 08:49*	*12/12/12 10:56*	*1*
Nitrobenzene-d5	*81*		*34 - 132*	*12/11/12 08:49*	*12/12/12 10:56*	*1*
p-Terphenyl-d14	*102*		*65 - 153*	*12/11/12 08:49*	*12/12/12 10:56*	*1*
Phenol-d5	*78*		*11 - 120*	*12/11/12 08:49*	*12/12/12 10:56*	*1*

Lab Sample ID: LCS 480-95169/2-A
Matrix: Solid
Analysis Batch: 95413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1660	1590		ug/Kg		96	55 - 125
2-Chlorophenol	1660	1390		ug/Kg		84	38 - 120
4-Chloro-3-methylphenol	1660	1510		ug/Kg		91	49 - 125
4-Nitrophenol	1660	1530		ug/Kg		92	43 - 137
Acenaphthene	1660	1610		ug/Kg		97	53 - 120
Bis(2-ethylhexyl) phthalate	1660	1740		ug/Kg		105	61 - 133
Fluorene	1660	1620		ug/Kg		98	63 - 126
Hexachloroethane	1660	1080		ug/Kg		65	41 - 120
N-Nitrosodi-n-propylamine	1660	1300		ug/Kg		78	46 - 120
Pentachlorophenol	1660	1450		ug/Kg		88	33 - 136
Phenol	1660	1350		ug/Kg		82	36 - 120
Pyrene	1660	1680		ug/Kg		102	51 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*98*		*39 - 146*
2-Fluorobiphenyl	*91*		*37 - 120*
2-Fluorophenol	*61*		*18 - 120*
Nitrobenzene-d5	*88*		*34 - 132*

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

Lab Sample ID: LCS 480-95169/2-A
Matrix: Solid
Analysis Batch: 95413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95169

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl-d14	*101*		*65 - 153*
Phenol-d5	*84*		*11 - 120*

Lab Sample ID: MB 480-95248/1-A
Matrix: Water
Analysis Batch: 95387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	5.0	U	5.0	0.65	ug/L		12/11/12 13:43	12/12/12 13:20	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		12/11/12 13:43	12/12/12 13:20	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		12/11/12 13:43	12/12/12 13:20	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		12/11/12 13:43	12/12/12 13:20	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		12/11/12 13:43	12/12/12 13:20	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		12/11/12 13:43	12/12/12 13:20	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		12/11/12 13:43	12/12/12 13:20	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		12/11/12 13:43	12/12/12 13:20	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		12/11/12 13:43	12/12/12 13:20	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		12/11/12 13:43	12/12/12 13:20	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		12/11/12 13:43	12/12/12 13:20	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		12/11/12 13:43	12/12/12 13:20	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		12/11/12 13:43	12/12/12 13:20	1
2-Nitroaniline	10	U	10	0.42	ug/L		12/11/12 13:43	12/12/12 13:20	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		12/11/12 13:43	12/12/12 13:20	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		12/11/12 13:43	12/12/12 13:20	1
3-Nitroaniline	10	U	10	0.48	ug/L		12/11/12 13:43	12/12/12 13:20	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		12/11/12 13:43	12/12/12 13:20	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		12/11/12 13:43	12/12/12 13:20	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		12/11/12 13:43	12/12/12 13:20	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		12/11/12 13:43	12/12/12 13:20	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		12/11/12 13:43	12/12/12 13:20	1
4-Methylphenol	10	U	10	0.36	ug/L		12/11/12 13:43	12/12/12 13:20	1
4-Nitroaniline	10	U	10	0.25	ug/L		12/11/12 13:43	12/12/12 13:20	1
4-Nitrophenol	10	U	10	1.5	ug/L		12/11/12 13:43	12/12/12 13:20	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		12/11/12 13:43	12/12/12 13:20	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		12/11/12 13:43	12/12/12 13:20	1
Acetophenone	5.0	U	5.0	0.54	ug/L		12/11/12 13:43	12/12/12 13:20	1
Anthracene	5.0	U	5.0	0.28	ug/L		12/11/12 13:43	12/12/12 13:20	1
Atrazine	5.0	U	5.0	0.46	ug/L		12/11/12 13:43	12/12/12 13:20	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		12/11/12 13:43	12/12/12 13:20	1
Benzo(a)anthracene	5.0	U	5.0	0.36	ug/L		12/11/12 13:43	12/12/12 13:20	1
Benzo(a)pyrene	5.0	U	5.0	0.47	ug/L		12/11/12 13:43	12/12/12 13:20	1
Benzo(b)fluoranthene	5.0	U	5.0	0.34	ug/L		12/11/12 13:43	12/12/12 13:20	1
Benzo(g,h,i)perylene	5.0	U	5.0	0.35	ug/L		12/11/12 13:43	12/12/12 13:20	1
Benzo(k)fluoranthene	5.0	U	5.0	0.73	ug/L		12/11/12 13:43	12/12/12 13:20	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		12/11/12 13:43	12/12/12 13:20	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		12/11/12 13:43	12/12/12 13:20	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	1.8	ug/L		12/11/12 13:43	12/12/12 13:20	1
Butyl benzyl phthalate	5.0	U	5.0	0.42	ug/L		12/11/12 13:43	12/12/12 13:20	1

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

Lab Sample ID: MB 480-95248/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95387 — **Prep Batch: 95248**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caprolactam	5.0	U	5.0	2.2	ug/L		12/11/12 13:43	12/12/12 13:20	1
Carbazole	5.0	U	5.0	0.30	ug/L		12/11/12 13:43	12/12/12 13:20	1
Chrysene	5.0	U	5.0	0.33	ug/L		12/11/12 13:43	12/12/12 13:20	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		12/11/12 13:43	12/12/12 13:20	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		12/11/12 13:43	12/12/12 13:20	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		12/11/12 13:43	12/12/12 13:20	1
Dibenzofuran	10	U	10	0.51	ug/L		12/11/12 13:43	12/12/12 13:20	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		12/11/12 13:43	12/12/12 13:20	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		12/11/12 13:43	12/12/12 13:20	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		12/11/12 13:43	12/12/12 13:20	1
Fluorene	5.0	U	5.0	0.36	ug/L		12/11/12 13:43	12/12/12 13:20	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		12/11/12 13:43	12/12/12 13:20	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		12/11/12 13:43	12/12/12 13:20	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		12/11/12 13:43	12/12/12 13:20	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		12/11/12 13:43	12/12/12 13:20	1
Indeno(1,2,3-cd)pyrene	5.0	U	5.0	0.47	ug/L		12/11/12 13:43	12/12/12 13:20	1
Isophorone	5.0	U	5.0	0.43	ug/L		12/11/12 13:43	12/12/12 13:20	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		12/11/12 13:43	12/12/12 13:20	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		12/11/12 13:43	12/12/12 13:20	1
Naphthalene	5.0	U	5.0	0.76	ug/L		12/11/12 13:43	12/12/12 13:20	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		12/11/12 13:43	12/12/12 13:20	1
Pentachlorophenol	10	U	10	2.2	ug/L		12/11/12 13:43	12/12/12 13:20	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		12/11/12 13:43	12/12/12 13:20	1
Phenol	5.0	U	5.0	0.39	ug/L		12/11/12 13:43	12/12/12 13:20	1
Pyrene	5.0	U	5.0	0.34	ug/L		12/11/12 13:43	12/12/12 13:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*116*		*52 - 132*	*12/11/12 13:43*	*12/12/12 13:20*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*12/11/12 13:43*	*12/12/12 13:20*	*1*
2-Fluorophenol	*46*		*20 - 120*	*12/11/12 13:43*	*12/12/12 13:20*	*1*
Nitrobenzene-d5	*90*		*46 - 120*	*12/11/12 13:43*	*12/12/12 13:20*	*1*
p-Terphenyl-d14	*113*		*67 - 150*	*12/11/12 13:43*	*12/12/12 13:20*	*1*
Phenol-d5	*32*		*16 - 120*	*12/11/12 13:43*	*12/12/12 13:20*	*1*

Lab Sample ID: LCS 480-95248/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95387 — **Prep Batch: 95248**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	50.0	49.8		ug/L		100	65 - 154
2-Chlorophenol	50.0	35.8		ug/L		72	48 - 120
4-Chloro-3-methylphenol	50.0	47.4		ug/L		95	64 - 120
4-Nitrophenol	50.0	19.4		ug/L		39	16 - 120
Acenaphthene	50.0	47.5		ug/L		95	60 - 120
Bis(2-ethylhexyl) phthalate	50.0	54.2		ug/L		108	53 - 158
Fluorene	50.0	48.4		ug/L		97	55 - 143
Hexachloroethane	50.0	41.1		ug/L		82	14 - 101
N-Nitrosodi-n-propylamine	50.0	46.3		ug/L		93	56 - 120

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

Lab Sample ID: LCS 480-95248/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95387 — **Prep Batch: 95248**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pentachlorophenol	50.0	34.0		ug/L		68	39 - 136
Phenol	50.0	18.3		ug/L		37	17 - 120
Pyrene	50.0	53.0		ug/L		106	58 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*104*		*52 - 132*
2-Fluorobiphenyl	*89*		*48 - 120*
2-Fluorophenol	*43*		*20 - 120*
Nitrobenzene-d5	*91*		*46 - 120*
p-Terphenyl-d14	*102*		*67 - 150*
Phenol-d5	*33*		*16 - 120*

Lab Sample ID: LCSD 480-95248/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95387 — **Prep Batch: 95248**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	50.0	54.9		ug/L		110	65 - 154	10	20
2-Chlorophenol	50.0	38.0		ug/L		76	48 - 120	6	25
4-Chloro-3-methylphenol	50.0	52.3		ug/L		105	64 - 120	10	27
4-Nitrophenol	50.0	23.7		ug/L		47	16 - 120	20	48
Acenaphthene	50.0	50.2		ug/L		100	60 - 120	6	24
Bis(2-ethylhexyl) phthalate	50.0	57.0		ug/L		114	53 - 158	5	15
Fluorene	50.0	52.5		ug/L		105	55 - 143	8	15
Hexachloroethane	50.0	39.5		ug/L		79	14 - 101	4	46
N-Nitrosodi-n-propylamine	50.0	48.3		ug/L		97	56 - 120	4	31
Pentachlorophenol	50.0	51.0	*	ug/L		102	39 - 136	40	37
Phenol	50.0	18.6		ug/L		37	17 - 120	2	34
Pyrene	50.0	55.5		ug/L		111	58 - 136	5	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*112*		*52 - 132*
2-Fluorobiphenyl	*93*		*48 - 120*
2-Fluorophenol	*47*		*20 - 120*
Nitrobenzene-d5	*96*		*46 - 120*
p-Terphenyl-d14	*108*		*67 - 150*
Phenol-d5	*35*		*16 - 120*

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

Lab Sample ID: MB 480-95356/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95555 — **Prep Batch: 95356**

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		12/12/12 07:15	12/13/12 08:35	1

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

Lab Sample ID: MB 480-95356/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95555 — **Prep Batch: 95356**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		48 - 125	12/12/12 07:15	12/13/12 08:35	1

Lab Sample ID: LCS 480-95356/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95555 — **Prep Batch: 95356**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	49.3	46.4		mg/Kg		94	48 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	91		48 - 125

Lab Sample ID: 480-29905-7 MS — **Client Sample ID: PH-40 13'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95555 — **Prep Batch: 95356**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	1600		53.8	360	4	mg/Kg	☼	-2227	48 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	93		48 - 125

Lab Sample ID: 480-29905-7 MSD — **Client Sample ID: PH-40 13'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95555 — **Prep Batch: 95356**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1600		54.5	1970	4 F	mg/Kg	☼	762	48 - 135	138	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	117		48 - 125

QC Association Summary

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

GC/MS VOA

Analysis Batch: 95433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-1	PH-34 2'	Total/NA	Solid	8260B	95461
480-29905-4	PH-37 2.5'	Total/NA	Solid	8260B	95461
480-29905-5	PH-38 8'	Total/NA	Solid	8260B	95461
LCS 480-95433/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-95433/5	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 95461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-1	PH-34 2'	Total/NA	Solid	5035	
480-29905-4	PH-37 2.5'	Total/NA	Solid	5035	
480-29905-5	PH-38 8'	Total/NA	Solid	5035	

Analysis Batch: 95565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-12	PH-40	Total/NA	Water	8260B	
LCS 480-95565/3	Lab Control Sample	Total/NA	Water	8260B	
MB 480-95565/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 95715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-2	PH-35 2'	Total/NA	Solid	8260B	95742
480-29905-3	PH-36 2'	Total/NA	Solid	8260B	95742
LCS 480-95715/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-95715/8	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 95742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-2	PH-35 2'	Total/NA	Solid	5035	
480-29905-3	PH-36 2'	Total/NA	Solid	5035	

Analysis Batch: 95983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-1 - DL	PH-34 2'	Total/NA	Solid	8260B	95999
LCS 480-95999/1-A	Lab Control Sample	Total/NA	Solid	8260B	95999
MB 480-95999/2-A	Method Blank	Total/NA	Solid	8260B	95999

Prep Batch: 95999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-1 - DL	PH-34 2'	Total/NA	Solid	5035	
LCS 480-95999/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-95999/2-A	Method Blank	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 95169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-6	PH-39 11.5'	Total/NA	Solid	3550B	
480-29905-7	PH-40 13'	Total/NA	Solid	3550B	
480-29905-8	PH-41 8'	Total/NA	Solid	3550B	
480-29905-9	PH-41 12'	Total/NA	Solid	3550B	

GC/MS Semi VOA (Continued)

Prep Batch: 95169 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-10	PH-40 6'	Total/NA	Solid	3550B	
480-29905-11	PH-43 11'	Total/NA	Solid	3550B	
LCS 480-95169/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-95169/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 95248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-12	PH-40	Total/NA	Water	3510C	
LCS 480-95248/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-95248/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 480-95248/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 95387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-12	PH-40	Total/NA	Water	8270C	95248
LCS 480-95248/2-A	Lab Control Sample	Total/NA	Water	8270C	95248
LCSD 480-95248/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	95248
MB 480-95248/1-A	Method Blank	Total/NA	Water	8270C	95248

Analysis Batch: 95413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-6	PH-39 11.5'	Total/NA	Solid	8270C	95169
480-29905-7	PH-40 13'	Total/NA	Solid	8270C	95169
480-29905-8	PH-41 8'	Total/NA	Solid	8270C	95169
480-29905-9	PH-41 12'	Total/NA	Solid	8270C	95169
480-29905-10	PH-40 6'	Total/NA	Solid	8270C	95169
480-29905-11	PH-43 11'	Total/NA	Solid	8270C	95169
LCS 480-95169/2-A	Lab Control Sample	Total/NA	Solid	8270C	95169
MB 480-95169/1-A	Method Blank	Total/NA	Solid	8270C	95169

GC Semi VOA

Prep Batch: 95356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-6	PH-39 11.5'	Total/NA	Solid	3550B	
480-29905-7	PH-40 13'	Total/NA	Solid	3550B	
480-29905-7 MS	PH-40 13'	Total/NA	Solid	3550B	
480-29905-7 MSD	PH-40 13'	Total/NA	Solid	3550B	
480-29905-8	PH-41 8'	Total/NA	Solid	3550B	
480-29905-9	PH-41 12'	Total/NA	Solid	3550B	
480-29905-10	PH-40 6'	Total/NA	Solid	3550B	
480-29905-11	PH-43 11'	Total/NA	Solid	3550B	
LCS 480-95356/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-95356/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 95555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-6	PH-39 11.5'	Total/NA	Solid	8015B	95356
480-29905-7	PH-40 13'	Total/NA	Solid	8015B	95356
480-29905-7 MS	PH-40 13'	Total/NA	Solid	8015B	95356

GC Semi VOA (Continued)

Analysis Batch: 95555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-7 MSD	PH-40 13'	Total/NA	Solid	8015B	95356
480-29905-8	PH-41 8'	Total/NA	Solid	8015B	95356
480-29905-9	PH-41 12'	Total/NA	Solid	8015B	95356
480-29905-10	PH-40 6'	Total/NA	Solid	8015B	95356
480-29905-11	PH-43 11'	Total/NA	Solid	8015B	95356
LCS 480-95356/2-A	Lab Control Sample	Total/NA	Solid	8015B	95356
MB 480-95356/1-A	Method Blank	Total/NA	Solid	8015B	95356

General Chemistry

Analysis Batch: 95294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-6	PH-39 11.5'	Total/NA	Solid	Moisture	
480-29905-7	PH-40 13'	Total/NA	Solid	Moisture	
480-29905-8	PH-41 8'	Total/NA	Solid	Moisture	
480-29905-9	PH-41 12'	Total/NA	Solid	Moisture	
480-29905-10	PH-40 6'	Total/NA	Solid	Moisture	
480-29905-11	PH-43 11'	Total/NA	Solid	Moisture	

Analysis Batch: 95484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-29905-1	PH-34 2'	Total/NA	Solid	Moisture	
480-29905-2	PH-35 2'	Total/NA	Solid	Moisture	
480-29905-3	PH-36 2'	Total/NA	Solid	Moisture	
480-29905-4	PH-37 2.5'	Total/NA	Solid	Moisture	
480-29905-5	PH-38 8'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-34 2'

Lab Sample ID: 480-29905-1
Date Collected: 12/10/12 10:35
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95461	12/12/12 15:16	JMB	TAL BUF
Total/NA	Analysis	8260B		1	95433	12/12/12 20:30	CDC	TAL BUF
Total/NA	Prep	5035	DL		95999	12/15/12 13:00	TRF	TAL BUF
Total/NA	Analysis	8260B	DL	1	95983	12/15/12 15:46	TRF	TAL BUF
Total/NA	Analysis	Moisture		1	95484	12/12/12 16:51	JMB	TAL BUF

Client Sample ID: PH-35 2'

Lab Sample ID: 480-29905-2
Date Collected: 12/10/12 11:10
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95742	12/14/12 00:35	CDC	TAL BUF
Total/NA	Analysis	8260B		1	95715	12/14/12 01:33	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	95484	12/12/12 16:51	JMB	TAL BUF

Client Sample ID: PH-36 2'

Lab Sample ID: 480-29905-3
Date Collected: 12/10/12 11:25
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95742	12/14/12 00:35	CDC	TAL BUF
Total/NA	Analysis	8260B		1	95715	12/14/12 01:59	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	95484	12/12/12 16:51	JMB	TAL BUF

Client Sample ID: PH-37 2.5'

Lab Sample ID: 480-29905-4
Date Collected: 12/10/12 11:35
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95461	12/12/12 15:16	JMB	TAL BUF
Total/NA	Analysis	8260B		1	95433	12/12/12 21:46	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	95484	12/12/12 16:51	JMB	TAL BUF

Client Sample ID: PH-38 8'

Lab Sample ID: 480-29905-5
Date Collected: 12/10/12 12:00
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95461	12/12/12 15:16	JMB	TAL BUF
Total/NA	Analysis	8260B		1	95433	12/12/12 22:12	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	95484	12/12/12 16:51	JMB	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-39 11.5'

Lab Sample ID: 480-29905-6
Date Collected: 12/10/12 13:10
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95169	12/11/12 08:49	CM	TAL BUF
Total/NA	Analysis	8270C		5	95413	12/12/12 14:58	HTL	TAL BUF
Total/NA	Prep	3550B			95356	12/12/12 07:15	TR	TAL BUF
Total/NA	Analysis	8015B		10	95555	12/13/12 17:33	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95294	12/11/12 18:46	MD	TAL BUF

Client Sample ID: PH-40 13'

Lab Sample ID: 480-29905-7
Date Collected: 12/10/12 14:40
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95169	12/11/12 08:49	CM	TAL BUF
Total/NA	Analysis	8270C		1	95413	12/12/12 15:22	HTL	TAL BUF
Total/NA	Prep	3550B			95356	12/12/12 07:15	TR	TAL BUF
Total/NA	Analysis	8015B		10	95555	12/13/12 18:06	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95294	12/11/12 18:46	MD	TAL BUF

Client Sample ID: PH-41 8'

Lab Sample ID: 480-29905-8
Date Collected: 12/10/12 15:25
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95169	12/11/12 08:49	CM	TAL BUF
Total/NA	Analysis	8270C		1	95413	12/12/12 15:46	HTL	TAL BUF
Total/NA	Prep	3550B			95356	12/12/12 07:15	TR	TAL BUF
Total/NA	Analysis	8015B		5	95555	12/13/12 18:40	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95294	12/11/12 18:46	MD	TAL BUF

Client Sample ID: PH-41 12'

Lab Sample ID: 480-29905-9
Date Collected: 12/10/12 15:30
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95169	12/11/12 08:49	CM	TAL BUF
Total/NA	Analysis	8270C		1	95413	12/12/12 16:10	HTL	TAL BUF
Total/NA	Prep	3550B			95356	12/12/12 07:15	TR	TAL BUF
Total/NA	Analysis	8015B		1	95555	12/13/12 13:38	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95294	12/11/12 18:46	MD	TAL BUF

Lab Chronicle

Client: TTL, Inc.
Project/Site: Magna

TestAmerica Job ID: 480-29905-1

Client Sample ID: PH-40 6'

Lab Sample ID: 480-29905-10

Date Collected: 12/10/12 14:30
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95169	12/11/12 08:49	CM	TAL BUF
Total/NA	Analysis	8270C		1	95413	12/12/12 16:34	HTL	TAL BUF
Total/NA	Prep	3550B			95356	12/12/12 07:15	TR	TAL BUF
Total/NA	Analysis	8015B		1	95555	12/13/12 14:45	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95294	12/11/12 18:46	MD	TAL BUF

Client Sample ID: PH-43 11'

Lab Sample ID: 480-29905-11

Date Collected: 12/10/12 16:30
Matrix: Solid
Date Received: 12/11/12 08:00
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			95169	12/11/12 08:49	CM	TAL BUF
Total/NA	Analysis	8270C		10	95413	12/12/12 16:58	HTL	TAL BUF
Total/NA	Prep	3550B			95356	12/12/12 07:15	TR	TAL BUF
Total/NA	Analysis	8015B		10	95555	12/14/12 08:24	CD	TAL BUF
Total/NA	Analysis	Moisture		1	95294	12/11/12 18:46	MD	TAL BUF

Client Sample ID: PH-40

Lab Sample ID: 480-29905-12

Date Collected: 12/10/12 16:40
Matrix: Water
Date Received: 12/11/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	95565	12/13/12 10:56	CDC	TAL BUF
Total/NA	Prep	3510C			95248	12/11/12 13:43	KB	TAL BUF
Total/NA	Analysis	8270C		20	95387	12/12/12 20:02	RMM	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: 480-29905-1

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	NELAC	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAC	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	NELAC	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	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	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-13
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	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: 480-29905-1

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
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: 480-29905-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-29905-1	PH-34 2'	Solid	12/10/12 10:35	12/11/12 08:00
480-29905-2	PH-35 2'	Solid	12/10/12 11:10	12/11/12 08:00
480-29905-3	PH-36 2'	Solid	12/10/12 11:25	12/11/12 08:00
480-29905-4	PH-37 2.5'	Solid	12/10/12 11:35	12/11/12 08:00
480-29905-5	PH-38 8'	Solid	12/10/12 12:00	12/11/12 08:00
480-29905-6	PH-39 11.5'	Solid	12/10/12 13:10	12/11/12 08:00
480-29905-7	PH-40 13'	Solid	12/10/12 14:40	12/11/12 08:00
480-29905-8	PH-41 8'	Solid	12/10/12 15:25	12/11/12 08:00
480-29905-9	PH-41 12'	Solid	12/10/12 15:30	12/11/12 08:00
480-29905-10	PH-40 6'	Solid	12/10/12 14:30	12/11/12 08:00
480-29905-11	PH-43 11'	Solid	12/10/12 16:30	12/11/12 08:00
480-29905-12	PH-40	Water	12/10/12 16:40	12/11/12 08:00