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July 3, 2013

Mr. James Kasdorf
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

Subject: Data Package
Milwaukee County – Bliffert Lumber
10733 West Bluemound Rd., Milwaukee, Wisconsin
WDNR BRRTS No. 02-41-000655, FID No. 241494110
PECFA No. 53226-4282-33-A
TRC Project No. 202083.0000.0000

Dear Jim:

On behalf of Milwaukee County, TRC is submitting this data package to summarize the recent subsurface investigation findings for the above referenced site. The proposed scope of work was approved by the Wisconsin Department of Natural Resources (WDNR) and Department of Safety and Professional Services (DSPS) in May 2013 (see Attachment 1). Due to the concurrent reconstruction of the adjacent Mayfair Road and the railroad tunnel (both part of the WisDOT Zoo Interchange megaproject), some monitoring wells could not be found or were damaged and could not be sampled.

Soil Sampling

On May 29 and 30, 2013, TRC directed and documented the advancement of 15 soil probes at the site. Eleven of the soil probes were converted to temporary monitoring wells.

Based on the soil sampling conducted to date, the extent of soil contamination has been defined. A relatively small area of residual soil contamination (gasoline range organics (GRO), benzene, and polycyclic aromatic hydrocarbon (PAH) impacts above the respective residual contaminant levels (RCLs) or soil cleanup levels) remains. Soil sampling results are summarized in Table 1, and Figure 1 shows the approximate extent of residual soil contamination that exceeds the RCLs. Soil boring logs and abandonment forms for the 2013 subsurface investigation are included in Attachment 2. The laboratory analytical report for the 2013 investigation is provided in Attachment 3.

Groundwater Sampling

On June 3, 2013, groundwater samples were collected from two permanent wells and the 11 temporary wells. Free product was not found in any of the permanent or temporary wells sampled.

Based on the groundwater sampling conducted to date, the extent of groundwater contamination at the site has been defined. A relatively small area of residual groundwater contamination (benzene and PAH Enforcement Standard (ES) exceedences in GP-13-6, GP-13-8 and GP-13-11) remains. Groundwater sample results are summarized in Table 2 and Figure 2 shows the approximate extent of groundwater contaminant concentrations that exceed an NR 140 ES. The groundwater sample laboratory report is provided in Attachment 3.

Groundwater Elevations

TRC surveyed the top of casing and ground surface elevations of the accessible permanent and temporary wells. A summary of the groundwater elevation data is provided in Table 3. Groundwater generally flows to the west towards Mayfair Road – see Figure 3.

Groundwater Elevations

There is no indication of free product at the site, and the extent of soil and groundwater has been defined. TRC believes that the site can be closed with a GIS Registry, a deed restriction, and a cap maintenance plan. We ask for the WDNR's review of this data package and respond regarding whether closure is appropriate at this time. Nearby WisDOT projects would like to bring clean fill to the property but Milwaukee County would like the site closed by the WDNR before authorizing such filling.

Please contact me at 262-901-2145 or Tim Detzer at Milwaukee County 414-278-2988 if you would like to discuss.

Sincerely,

TRC Environmental Corporation

Ken W. Yass

Ken W. Yass, P.E., CHMM
Project Manager / Remediation Team Leader

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	3.	Laboratory Reports

cc: Tim Detzer – Milwaukee County
Linda Michalets - DSPS
Bryan Bergmann - TRC

Table 1
Soil Sampling Results Summary - Phase 2.5 Investigation
Milwaukee County - Bliffert Lumber, Milwaukee
TRC Project ID 202083.0000.0000

	Groundwater Pathway [A]	Direct Contact Pathway		Soil Sample ID and Depth (feet bgs)																TYPICAL LANDFILL ACCEPTANCE CRITERIA
		Non-industrial [B]	Industrial [C]	GP-13-1 (2'-4')	GP-13-2 (0'-2')	GP-13-3 (2'-4')	GP-13-4 (0'-2')	GP-13-5 (2'-4')	GP-13-6 (4'-6')	GP-13-7 (4'-6')	GP-13-8 (2'-4')	GP-13-9 (4'-6')	GP-13-10 (4'-6')	GP-13-11 (2'-4')	GP-13-12 (4'-6')	GP-13-13 (6'-8')	GP-13-14 (6'-8')	GP-13-15 (4'-6')	MeOH Blank	
				SAMPLES COLLECTED MAY 29-30, 2013																
PID Readings	-	-	-	13.9	0.5	5.3	10.4	90.3	155.6	1.3	1.4	3.0	1.9	323.6	1.4	1.4	1.0	59.2	--	-
GRO (mg/kg)	100	-	-	7.7	<2.7	12.0	47.0	9.5	**210**	<2.3	<2.8	11.0	5.3	**860**	<2.2	<2.1	6.6	57.0	<2.5	2,000 mg/kg
PVOCs (µg/kg)																				
Benzene	5.5	-	-	<17	<20	**29**	<23	<20	**64**	<16	<20	<14	<17	**22 J**	<16	<15	<18	<19	<18	10,000
Ethylbenzene	2,900	-	-	18 J	<21	99	<24	50	92	<17	<22	<14	<18	35	<17	<16	<19	<20	<19	-
Methyl tert-butyl ether	-	-	-	<11	<13	15 J	<15	<13	<14	<11	<14	<9.1	<11	<13	<11	<10	<12	<13	<12	-
Toluene	1,500	-	-	160	<18	190	<21	<19	66	<15	<19	<13	<16	<18	<15	<14	<17	<18	<17	-
1,2,4-Trimethylbenzene	-	-	-	<14	<16	73	80	110	380	<14	<17	<11	<14	1700	<13	<13	<15	70	<15	-
1,3,5-Trimethylbenzene	-	-	-	47	<16	55	70	63	620	<14	<17	<11	26	<16	<13	<13	25	160	<15	-
Xylenes, Total	4,100	-	-	36 J	<33	270	57 J	34 J	120	<27	<34	<23	<28	250	<27	<26	<30	<32	<30	-
PAHs (µg/kg)																				
Acenaphthene	38,000	900,000	60,000,000	12 J	<11	<11	26 J	<11	<11	19 J	<12	<11	69	3,200	<11	<11	<11	<12	--	-
Acenaphthylene	700	18,000	360,000	<8.0	<8.6	<8.5	16 J	<8.8	<8.1	8.8 J	<9.2	<8.4	<8.3	**1,500 [A]**	<8.7	<8.5	<8.5	<9.0	--	-
Anthracene	3,000,000	5,000,000	300,000,000	37	<8.9	29 J	180	<9.0	<8.3	160	27 J	<8.6	45	<90	39	<8.7	<8.7	25 J	--	-
Benz(a)anthracene	17,000	88	3,900	52	59	56	**750 [B]**	**1,000 [B]**	**1,200 [B]**	**750 [B]**	**220 [B]**	<7.7	<7.6	**120 J [B]**	**160 [B]**	<7.8	<7.8	<8.2	--	-
Benzo(a)pyrene	48,000	8.8	390	**47 [B]**	**82 [B]**	**46 [B]**	**710 [BC]**	**1,200 [BC]**	**1,300 [BC]**	**670 [BC]**	**250 [B]**	<6.7	<6.6	**130 J [B]**	**170 [B]**	<6.8	**21 J [B]**	<7.2	--	-
Benzo(b)fluoranthene	360,000	88	3,900	60	**160 [B]**	75	**940 [B]**	**2,400 [B]**	**2,200 [B]**	**900 [B]**	**330 [B]**	<7.1	12 J	**200 J [B]**	**240 [B]**	<7.2	16 J	<7.6	--	-
Benzo(ghi)perylene	6,800,000	1,800	39,000	34 J	160	40	700	**2,200 [B]**	**2,800 [B]**	560	230	<12	<12	170 J	160	<12	17 J	<13	--	-
Benzo(k)fluoranthene	870,000	880	39,000	22 J	81	24 J	300	780	780	330	140	<8.7	<8.6	<91	110	<8.8	12 J	<9.4	--	-
Chrysene	37,000	8,800	390,000	52	86	63	640	1,700	1,800	620	200	9.3 J	16 J	180 J	160	<8.4	16 J	13 J	--	-
Dibenz(a,h)anthracene	38,000	8.8	390	**15 J [B]**	**55 [B]**	**17 J [B]**	**250 [B]**	**690 [BC]**	**790 [BC]**	**210 [B]**	**82 [B]**	<10	<10	<110	**54 [B]**	<10	<10	<11	--	-
Fluoranthene	500,000	600,000	40,000,000	79	73	96	1,200	910	1,400	1,300	460	<15	15 J	370 J	300	<15	<15	<16	--	-
Fluorene	100,000	600,000	40,000,000	8.7 J	<8.6	10 J	22 J	<8.7	660	23 J	<9.1	<8.3	130	6,100	12 J	<8.4	<8.4	<8.9	--	-
Indeno(123-cd)pyrene	680,000	88	3,900	25 J	**110 [B]**	35 J	**560 [B]**	**1,500 [B]**	**1,900 [B]**	**460 [B]**	**190 [B]**	<12	<12	**160 J [B]**	**140 [B]**	<12	24 J	<13	--	-
1-Methylnaphthalene	23,000	1,100,000	70,000,000	79	70	130	34 J	380	2,600	<17	<20	<18	63	43,000	23 J	<18	<18	61	--	-
2-Methylnaphthalene	20,000	600,000	40,000,000	65 J	94 J	110 J	<49	290	2,300	<45	<52	<47	<47	11,000	<49	<48	<48	60 J	--	-
Naphthalene	400	20,000	110,000	32 J	23 J	57	38	210	**470 [A]**	9.4 J	<7.7	<7.0	<7.0	**1,600 [A]**	21 J	<7.1	<7.1	18 J	--	-
Phenanthrene	1,800	18,000	390,000	230	49	320	650	200	**2,000 [A]**	480	100	<15	150	**7,900 [A]**	150	<16	19 J	49	--	-
Pyrene	8,700,000	500,000	30,000,000	110	71	110	990	1,100	1,300	1,100	400	<13	16 J	640	270	<13	<13	47	--	-

Notes:
1. PID = Photoionization Detector
2. GRO = Gasoline Range Organics analyzed using the Wisconsin Modified Method
3. mg/kg = milligrams per kilogram (ppm)
4. PVOCs = Petroleum Volatile Organic Compounds analyzed using the Wisconsin GRO Method
5. µg/kg = micrograms per kilogram (ppb)
6. - = Standard not established.
7. - - = not analyzed
8. PAHs = Polycyclic Aromatic Hydrocarbons anlayzed using EPA Method 8270D
9. Samples were collected by TRC and analyzed by TestAmerica (WDNR Cert. #999580010)
10. NR 720 RCL = Residual Contaminant Level from NR 720, WAC. RCL listed for DRO and GRO are the more stringent of the two NR 720.09 values.
11. PAH results were compared to Table 1 Suggested generic residual contaminant levels for PAH compounds in soil in the Wisconsin Department of Natural Resources Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance, Publication RR-519-97, April 1997 (corrected).
12. J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
13. **BOLD** indicates an exceedence (or potential exceedence if J-flagged) of the NR 720 RCL
14. [A] = Result exceeds the Groundwater Pathway RCL
15. [B] = Result exceeds the Non-Industrial Direct Contact RCL
16. [C] = Result exceeds the Industrial Direct Contact RCL

Created by: B. Bergmann 6/18/13
Checked by: T. Stapel 6/20/13

Table 2
Groundwater Sampling Results Summary - Phase 2.5 Investigation
Milwaukee County - Bliffert Lumber, Milwaukee
TRC Project ID 202083.0000.0000

	NR 140 STANDARD		WELL ID																							
	ES	PAL	MW-1	MW-2R**	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8**	MW-9	MW-10	MW-11	MW-12	GP-13-1	GP-13-2	GP-13-3	GP-13-5	GP-13-6	GP-13-8	GP-13-9	GP-13-10	GP-13-11	GP-13-13	GP-13-14	Trip Blank
			SAMPLES COLLECTED JUNE 3, 2013																							
PVOCs (µg/l)																										
Benzene	5	0.5	Not Sampled	Not Sampled	Not Sampled	<0.36	Not Sampled	Not Sampled	Not Sampled	<0.36	Not Sampled	Not Sampled	Not Sampled	Not Sampled	<0.36	<0.36	<0.36	0.46 J	**17**	<0.36	<0.36	<0.36	*2.0*	<0.36	<0.36	<0.36
Ethylbenzene	700	140				<0.37				<0.37					<0.37	<0.37	<0.37	<0.37	1.4	<0.37	<0.37	<0.37	15	<0.37	<0.37	<0.37
MTBE	60	12				<0.24				<0.24					<0.24	0.59	<0.24	0.37 J	0.53	<0.24	<0.24	<0.24	0.37 J	<0.24	<0.24	<0.24
Toluene	800	160				<0.33				<0.33					<0.33	<0.33	<0.33	<0.33	0.95	<0.33	<0.33	<0.33	<0.33	0.40 J	<0.33	<0.33
Trimethylbenzenes	480	96				<0.60 *				<0.60 *					<0.60 *	1.30 J*	<0.60 *	0.62 *	13.6 *	<0.60 *	<0.60 *	16.9 *	37.4 B*	<0.60 *	<0.60 *	<0.60 *
Xylenes, total	2,000	400				<0.58				<0.58					<0.58	<0.58	<0.58	0.64 J	7.7	<0.58	<0.58	<0.58	12 B	<0.58	<0.58	<0.58
PAH's (µg/l)																										
1-Methylnaphthalene	-	-	Well could not be found. According to old RMT reports, the well was damaged or buried during installation of the remediation system in 1996. Replaced by GP-13-8.	Well could not be found. According to old RMT reports, the well was damaged or buried during installation of the remediation system in 1996.	Well could not be sampled. Well was found but it was half filled with dirt/gravel above the water table	<0.77	Well could not be found. Buried under soil. Replaced by GP-13-1.	Well could not be sampled. Well was found but it was filled with dirt/gravel to the ground surface.	Well could not be sampled due to construction equipment for railroad tunnel over the well.	<0.77	Well could not be found. Buried under soil. Well not planned to be sampled during this phase of work.	Well could not be found. According to old RMT reports, the well was damaged or buried during installation of the remediation system in 1996. Well not planned to be sampled during this phase of work.	Well could not be sampled due to a truck for construction of the railroad tunnel being parked over the well.	Well could not be found. According to old RMT reports, the well was damaged or buried during installation of the remediation system in 1996. Well not planned to be sampled during this phase of work.	<0.77	4.4	<0.76	36	140	<0.77	<1.0	290	470	<0.77	<0.78	--
2-Methylnaphthalene	-	-				<0.13				<0.13					<0.13	<0.13	<0.13	8.1	56	<0.13	<0.17	5.7	230	<0.13	<0.13	--
Acenaphthene	-	-				<0.19				<0.19					<0.19	2.3	<0.19	4.1	9.1	<0.19	<0.26	12	19	<0.19	<0.19	--
Acenaphthylene	-	-				<0.21				<0.21					<0.21	<0.20	<0.20	<0.21	1.3 J	<0.21	<0.28	3.1	2.6	<0.21	<0.21	--
Anthracene	3,000	600				<0.28				<0.28					<0.29	<0.28	<0.28	<0.28	1.3 J	<0.28	<0.38	2.8	1.3 J	<0.29	<0.29	--
Benzo (a) anthracene	-	-				<0.10				<0.10					<0.10	<0.098	<0.099	<0.10	0.98	0.24 J	<0.14	<0.10	0.39	<0.10	<0.10	--
Benzo (a) pyrene	0.2	0.02				<0.12				<0.12					<0.12	<0.11	<0.11	<0.12	**0.83**	**0.37**	<0.16	<0.12	<0.12	<0.12	<0.12	--
Benzo (b) fluoranthene	0.2	0.02				<0.13 *				<0.13 *					<0.13	<0.12 *	<0.12 *	<0.13 *	**0.47 ***	**0.78 ***	<0.17 *	<0.13 *	<0.13 *	<0.13 *	<0.13 *	--
Benzo (g,h,i) perylene	-	-				<0.74				<0.74					<0.74	<0.73	<0.73	<0.74	<0.74	<0.74	<1.0	<0.74	<0.75	<0.75	<0.76	--
Benzo (k) fluoranthene	-	-				<0.26				<0.26					<0.26	<0.25	<0.26	<0.26	1.2	<0.26	<0.35	<0.26	<0.26	<0.26	<0.26	--
Chrysene	0.2	0.02				<0.14				<0.14					<0.14	<0.14	<0.14	<0.14	**1.1**	**0.30 J**	<0.19	<0.14	**0.50 J**	<0.14	<0.15	--
Dibenz (a,h) anthracene	-	-				<0.17				<0.17					<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.23	<0.17	<0.18	<0.18	<0.18	--
Fluoranthene	400	80				<0.31				<0.31					<0.31	<0.31	<0.31	<0.31	2.2	<0.31	<0.42	<0.31	0.61 J	<0.31	<0.32	--
Fluorene	400	80				<0.26				<0.26					<0.26	1.3 J	<0.25	2.4	9.2	<0.26	<0.35	15	32	<0.26	<0.26	--
Indeno (1,2,3-cd) pyrene	-	-				<0.12				<0.12					<0.12	<0.12	<0.12	<0.12	0.29 J	<0.12	<0.16	<0.12	<0.12	<0.12	<0.12	--
Naphthalene	100	10				<0.24				<0.24					<0.24	<0.23	<0.23	<0.24	*21*	<0.24	<0.32	4.5	*32*	<0.24	<0.24	--
Phenanthrene	-	-				<0.32				<0.32					<0.33	<0.32	<0.32	3.0	18	<0.33	<0.44	34	40	<0.33	<0.33	--
Pyrene	250	50				<0.35				<0.35					<0.35	<0.34	<0.34	<0.35	2.2	0.38 J	<0.47	1.2 J	3.5	<0.35	<0.36	--

Created by: B. Bergmann 6/19/13
Checked by: T. Stapel 6/20/13

Notes:
1. PVOCs = Petroleum Volatile Organic Compounds analyzed using EPA Method 8260; only the VOCs detected are listed above.
2. µg/l = micrograms per liter (ppb).
3. NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
4. NR 140 PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
5. ND = not detected.
6. PAHs = Polycyclic Aromatic Hydrcarbons
7. J = result is reported between Method Detection Limit and Limit of Quantitation (LOQ) and are therefore less certain than results detected at or above the LOQ.
8. B = Compound was found in the blank and sample.
9. ** - Sample MW-8 was incorrectly labeled as MW-2R. The results for the sample labeled MW-2R are actually for MW-8.
10. * - Laboratory Control Spike or Laboratory Control Spike Duplicate exceeds the control limits.
11. -- = Not Analyzed
12. - = No Standard
13. Results in **BOLD** indicate an exceedence of the NR 140, WAC ES.
14. Results in *Italics* indicate an exceedence of the NR 140, WAC PAL.

Table 3
Groundwater Elevations - Phase 2.5 Investigation
Milwaukee County - Bliffert Lumber, Milwaukee
TRC Project ID 202083.0000.0000

Well I.D.	Ground Surface Elevation	Top of PVC Elevation	Top of PVC to Water	June 27, 2013 Groundwater Elevation
MW-1	Well could not be found. Buried under soil and brush pile. Replaced by GP-13-8.			
MW-2R	Well could not be found. According to old RMT reports, the well was damaged or buried during installation of the remediation system in 1996. No abandonment form was found.			
MW-3	773.16	773.15	3.52	769.63
MW-4	Well could not be found. Buried during construction of RR tunnel in June 2013.			
MW-5	Well could not be found. Buried under soil. Replaced by GP-13-1.			
MW-6	775.50	Flush mount cover and well cap missing. Well is filled with dirt/gravel.		
MW-7	774.02	773.57	1.64	771.93
MW-8	774.10	773.51	0.65	772.86
MW-9	Well could not be found - buried under soil.			
MW-10	Well could not be found. According to old RMT reports, the well was damaged or buried during installation of the remediation system in 1996. No abandonment form was found.			
MW-11	771.03	770.83	0.77	770.06
MW-12	Well could not be found. According to old RMT reports, the well was damaged or buried during installation of the remediation system in 1996. No abandonment form was found.			
GP-13-1	771.75	773.61	3.78	769.83
GP-13-2	770.89	772.19	2.70	769.49
GP-13-3	773.05	774.90	5.19	769.71
GP-13-5	Temporary well could not be found. Buried during construction of RR tunnel in June 2013.			
GP-13-6	772.60	772.60	2.96	769.64
GP-13-8	773.33	774.10	NM*	NM*
GP-13-9	774.51	775.67	5.37	770.30
GP-13-10	773.75	773.89	NM*	NM*
GP-13-11	774.82	776.12	4.41	771.71
GP-13-13	784.36	785.71	14.11	771.60
GP-13-14	778.20	780.32	5.46	774.86

Notes:

1. All elevations are referenced to a benchmark (772.05 feet above mean sea level) at the base of the billboard pole near GP-13-2.
2. NM = Not measured. See notes below.
3. MW-3 was half filled with dirt/gravel. It was not sampled on June 3, 2013 due to lack of water; however, on June 27, 2013 it was possible to obtain a water level.
4. * - For GP-13-8 and GP-13-10, the temporary well PVC was damaged (kinked) during construction of the RR tunnel in June 2013. The water level indicator could not get past the kinks on June 27, 2013.

LEGEND

- GROUNDWATER MONITORING WELL
- SOIL PROBE BORING (5/2013)
- SOIL PROBE BORING & TEMPORARLY WELL (5/2013)
- APPROXIMATE EXTENT OF SOIL EXCEEDING NR 720 RCLS - MAY 2013

NOTES

1. BASEMAP IMAGERY FROM ESRI/BING, "WORLD IMAGERY", WEB BASEMAP SERVICE LAYER, 2011.

N

0 80 160 Feet

1 " = 80 '
1:960

PROJECT:	MILWAUKEE COUNTY - BLIFFERT SITE WDNR BRRTS NO. 02-41-000655 PECFA NO. 53226-4282-33-A		
SHEET TITLE:	SOIL CONTAMINANT DISTRIBUTION MAP MAY 2013		
DRAWN BY: PAPEZ J	SCALE: 1: 960	PROJ. NO. 202083	
CHECKED BY:		FILE NO. 202083-002.mxd	
APPROVED BY:	DATE PRINTED:	FIGURE 1	
DATE: JULY 2013			

TRC
708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

TRC - GIS
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0Degrees
Saved By: JPAPEZ on 7/3/2013, 10:08:47 AM
Path: E:\MilwaukeeCounty\Bliffert\2013_202083\202083-002.mxd

LEGEND

- GROUNDWATER MONITORING WELL
- SOIL PROBE BORING (5/2013)
- SOIL PROBE BORING & TEMPORARLY WELL (5/2013)
- APPROXIMATE EXTENT OF GROUNDWATER EXCEEDING NR 140 ES - JUNE 2013

NOTES

1. BASEMAP IMAGERY FROM ESRI/BING, "WORLD IMAGERY", WEB BASEMAP SERVICE LAYER, 2011.

N

0 80 160 Feet

1 " = 80 '
1:960

PROJECT: **MILWAUKEE COUNTY - BLIFFERT SITE**
WDNR BRRTS NO. 02-41-000655
PECFA NO. 53226-4282-33-A

SHEET TITLE: **GROUNDWATER CONTAMINANT DISTRIBUTION MAP**
JUNE 2013

DRAWN BY: PAPEZ J	SCALE: 1: 960	PROJ. NO. 202083	
CHECKED BY:		FILE NO. 202083-003.mxd	
APPROVED BY:	DATE PRINTED:	FIGURE 2	
DATE: JULY 2013			

TRC
708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

TRC - GIS
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0Degrees
Saved By: JPAPEZ on 7/3/2013, 10:08:56 AM
Path: E:\MilwaukeeCounty\Bliffert\2013_202083\202083-003.mxd

LEGEND

- GROUNDWATER MONITORING WELL
- SOIL PROBE BORING (5/2013)
- SOIL PROBE BORING & TEMPORARLY WELL (5/2013)
- GROUNDWATER ELEVATION CONTOUR
- *(771.00)* GROUNDWATER ELEVATION (FEET, MSL)
- *(NM)* NOT MEASURED
- DIRECTION OF GROUNDWATER FLOW
- APPROXIMATE EXTENT OF SOIL EXCEEDING NR 720 RCLS - MAY 2013
- APPROXIMATE EXTENT OF GROUNDWATER EXCEEDING NR 140 ES - JUNE 2013

NOTES

1. BASEMAP IMAGERY FROM ESRI/BING, "WORLD IMAGERY", WEB BASEMAP SERVICE LAYER, 2011.

N

0 80 160 Feet

1 " = 80 '
1:960

PROJECT:	MILWAUKEE COUNTY - BLIFFERT SITE WDNR BRRTS NO. 02-41-000655 PECFA NO. 53226-4282-33-A		
SHEET TITLE:	GROUNDWATER FLOW MAP JUNE 27, 2013		
DRAWN BY: PAPEZ J	SCALE: 1: 960	PROJ. NO. 202083	
CHECKED BY:		FILE NO. 202083-004.mxd	
APPROVED BY:	DATE PRINTED:	FIGURE 3	
DATE: JULY 2013			

TRC
708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

TRC - GIS
Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0Degrees
Saved By: JPAPEZ on 7/3/2013, 10:11:06 AM
Path: E:\MilwaukeeCounty\Bliffert\2013_202083\202083-004.mxd

Attachment 1

DSPS Letter and WDNR Concurrence E-mail

STATE OF WISCONSIN
Department of Safety and Professional Services

141 NW Barstow Street, 4th Floor
Waukesha, Wisconsin 53188-3789

Email: dsps@wisconsin.gov
Web: http://dsps.wi.gov

Governor Scott Walker **Secretary Dave Ross**

May 8, 2013

Mr. Tim Detzer
Environmental Engineer
A&E – ES Section
Milwaukee County DAS-FM
2711 West Wells Street #213
Milwaukee, WI 53208

RE: **Public Bidding Deferred – Cost Cap Approved**

PECFA # 53226-4282-33-A DNR BRRTS # 02-41-000655
County Zoo/Bliffert Site, 10733 West Bluemound Road, Milwaukee

On April 29, 2013, the Wisconsin Department of Safety and Professional Services (DSPS) received a scope of work (SOW) and cost estimate utilizing the SPS 347, Wisconsin Administrative Code, Usual and Customary Cost Schedule (Cost Schedule) for the site referenced above. DSPS has determined, with DNR concurrence, that the submitted SOW is reasonable and **approves** the costs requested, with minor adjustments. This site will be deferred from the public bidding process at this time. DSPS will contact you if this site will be bid in the future.

DSPS is approving costs to advance up to 15 borings, with up to 10 borings converted to temporary wells, for soil sampling and groundwater monitoring. It is estimated that water samples will be also be collected from 6 to 9 permanent monitoring wells. The number of temporary wells installed and sampled will be based upon conditions encountered in the field. It is anticipated that advancing a maximum of 15 borings will be sufficient to characterize current site conditions. All soil samples will be analyzed for petroleum volatile organic compounds (PVOCs) and polycyclic aromatic hydrocarbons (PAHs). Based on historic water data collected, the following groundwater sampling analyses are approved:

MW-1 and MW-4 = PAH
MW-2R and MW-3 = PAH + PVOC
MW-5, MW-6, MW-7, MW-8, MW-11 = PVOC + Naphthalene
Up to 10 temporary wells = PAH + PVOC
It is estimated that a total of 16 groundwater samples will be collected. The ratio of samples collected from permanent to temporary wells will be determined in the field.

Costs are also being approved, as requested, to abandon the permanent monitoring well network. The temporary wells must be abandoned immediately after collecting water samples, or when the permanent wells are abandoned. There is no separate mobilization cost allowed for abandoning temporary wells. It is understood that site redevelopment may result in the abandonment of the well network before the DNR approves case closure. Reinstalling permanent wells, if required, will not be PECFA eligible. A copy of the DSPS worksheet for the Cost Schedule tasks is enclosed for your reference.

Deferment Cost Cap Approved: **$ 13,903.10**

Be reminded that annual web reports are required until this case is closed. An annual web report should be submitted annually after the start of these activities. **NOTE:** TRC Environmental Corporation must execute a contract on the DSPS website as soon as possible at: http://dsps.wi.gov.

Usual and customary costs for activities included in this approval will only be reimbursed at a rate equal to or less than what is allowed on the Cost Schedule, and are reimbursed based upon the Cost Schedule that is in effect at the time the activity is performed. Costs for activities not included in this approval are not reimbursable without prior DSPS authorization.

Regulatory Correspondence (Task 7, Activity RC05), Claim Submittal (Task 27, Activity CS05) and Standardized Invoice (Task 28, Activity SI05) costs are not included in the cap approved above. These activities will be reimbursed according to the task specifications and with submittal of proper supporting documentation at claim review time.

DSPS considers the consultant the primary controller of costs during these activities. This approval does not guarantee eligibility of any specific costs that have been incurred or that may be incurred in the future. Final determination regarding the eligibility of costs will be made by the claim reviewer when the entire claim, including all invoices and reports, is submitted for payment.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (262) 521-2610.

Sincerely,

Linda M. Michalets
Hydrogeologist
PECFA Site Review Section

Enclosure: Usual and Customary Cost Schedule Worksheet

cc: Mr. Ken Yass, TRC Environmental Corporation
Mr. Jim Kasdorf, DNR

Usual & Customary Cost Schedule Worksheet #13 (effective January 1, 2013)

PECFA #:	53226-4282-33-A
Site Name:	County Zoo/Bliffert Site
Site Address:	10733 West Bluemound Road, Milwaukee
Date:	May 8, 2013

Grand Total $13,903.10

#	Task	Provider	Ref Code	Activity Reference Code Description	Unit	Units	Unit Cost	Total Cost	Notes
1	Groundwater Sampling		GS05	Sample Collection	Well	16	$69.00	$ 1,104.00	Estimated sampling from 6 MWs and up to 10 temp wells - the ratio of permanent to temporary wells sampled may change based upon access to permanent wells
1	Groundwater Sampling		GS25	Primary Mob/Demob	Site	1	$598.20	$ 598.20	
1	Groundwater Sampling		GS30	Temp Well Abandonment	Well	10	$25.70	$ 257.00	Up to 10 temp wells, as necessary
3	LNAPL Assessment & Removal		LAR05	Removal Activity (Limited to Quarterly)	Well	2	$45.40	$ 90.80	Historically at MW-2R, MW-3
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	1	$130.60	$ 130.60	
4	Waste Disposal	Commodity	WD10	Groundwater Sample and/or Purge	Drum	1	$40.10	$ 40.10	Buckets instead of one drum
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	1	$103.00	$ 103.00	Buckets instead of one drum
4	Waste Disposal	Commodity	WD20	Free Product	Drum	1	$113.10	$ 113.10	If needed
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	1	$274.00	$ 274.00	As requested
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	1	$989.80	$ 989.80	
7	Regulatory Correspondence		RC05	Regulatory Correspondence	Letter/Status Update	0	$122.80	$ -	2 requested, as needed, with justification
8	Well Abandonment	Consultant	WAB05	Coordination	Site	1	$155.10	$ 155.10	As requested
8	Well Abandonment	Commodity	WAB35	Well Abandonment Mob/Demob	Site	1	$392.90	$ 392.90	As requested, if wells need to be abandoned before closure - Reinstalling wells will not be PECFA eligible
8	Well Abandonment	Commodity	WAB40	Well Abandonment (2 inch)	ft	121	$5.30	$ 641.30	As requested, if permanent wells need to be abandoned before closure
10	Initial Site Survey - Features and Well Elevations	Consultant	IS05	Consultant Coordination of Initial Site Survey - Features and Well Elevations	Survey	1	$111.60	$ 111.60	
10	Initial Site Survey - Features and Well Elevations	Commodity	IS15	Initial Survey	Survey	1	$1,115.90	$ 1,115.90	
12	Direct Push	Consultant	DP05	0 - 24 ft bgs W/ Continuous Soil Sampling	ft	180	$5.10	$ 918.00	As requested, up to 15 sample points
12	Direct Push	Consultant	DP20	Groundwater Sample Collection (to be used in conjunction with activity DP05 or DP10)	Each	10	$34.30	$ 343.00	
12	Direct Push	Consultant	DP25	Temporary Well Installation	Each	10	$47.50	$ 475.00	
12	Direct Push	Consultant	DP30	Primary Mob/Demob	Site	1	$487.70	$ 487.70	
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	ft	180	$6.60	$ 1,188.00	
12	Direct Push	Commodity	DP60	Borehole Abandonment	ft	60	$1.20	$ 72.00	Estimated, if 10 are temp wells, 5 soil-only borings to abandon
12	Direct Push	Commodity	DP75	Temporary Well Installation (use DP45 to advance this borehole)	ft	120	$5.00	$ 600.00	Estimated 10 temp wells
12	Direct Push	Commodity	DP80	Mob/Demob (Includes Decon)	Site	1	$501.00	$ 501.00	
15	Miscellaneous Drilling Activities and Supplies		MDT21	Drum 55 gallon DOT steel	Drum	0	$52.50	$ -	Consultant will use buckets to remove waste
27	Claim Submittal		CS05	Claim Submittal	Claim	0	$558.00	$ -	as needed, with justification
28	Standardized Invoice		SI05	Standardized Invoice	Invoice	0	$16.80	$ -	as needed, with documentation
33	Water Sample	Laboratory	W2	PVOC	Sample	12	$25.70	$ 308.40	MW-2R, 3, and 10 temp wells
33	Water Sample	Laboratory	W4	PVOC + Naphthalene	Sample	5	$28.90	$ 144.50	MW-5, 6, 7, 8, 11
33	Water Sample	Laboratory	W6	PAH	Sample	14	$69.50	$ 973.00	MW-1, 2R, 3, 4 and 10 temp wells
33	Soil Sample	Laboratory	S4	PVOC	Sample	15	$24.60	$ 369.00	Up to 15, if needed
33	Soil Sample	Laboratory	S9	PAH	Sample	15	$69.50	$ 1,042.50	Up to 15, if needed
33	Soil Sample	Laboratory	S10	Lead	Sample	0	$11.80	$ -	Removed, data previously collected
36	Change Order Request		COR05	Change Order Request	Change Order	1	$363.60	$ 363.60	Added, for this request
							Grand Total	$ 13,903.10	

From:	Michalets, Linda M - DSPS
To:	"Tim.Detzer@milwcnty.com"; Yass, Kenneth; Kasdorf, James H Jr - DNR
Cc:	Stevan.Keith@milwcnty.com; Bergmann, Bryan; Karl.Hackbarth@milwcnty.com; Chuck.Wikenhauser@milwcnty.com
Subject:	RE: Bliffert Site, Milwaukee - PECFA No. 53226-42-8233
Date:	Wednesday, May 08, 2013 1:23:23 PM
Attachments:	050813 Defer approve-with UCCS.pdf

Hello All,
I have attached a copy of my approval letter, which will go out in this afternoon's mail.
Thank you,

Linda Michalets

From: Tim.Detzer@milwcnty.com [mailto:Tim.Detzer@milwcnty.com]
Sent: Wednesday, May 08, 2013 8:30 AM
To: kyass@trcsolutions.com
Cc: Stevan.Keith@milwcnty.com; Bergmann, Bryan; Karl.Hackbarth@milwcnty.com; Chuck.Wikenhauser@milwcnty.com; Michalets, Linda M - DSPS
Subject: Fw: Bliffert Site, Milwaukee - PECFA No. 53226-42-8233

Ken,

The DNR agrees with Linda's suggested changes to the scope of work, so lets go ahead and incorporate them with the exception of the GRO. Since there will be no additional cost for the GRO we may as well include them. I will be speaking with Linda this morning regarding adding the additional temporary wells.

Tim Detzer, P.E.
Environmental Engineer
Milwaukee County
A&E-ES Section , Milw. County DAS-FM
2711 West Wells Street #213
Milwaukee, WI 53208
(414) 278-2988
Fax (414) 223-1853

Please print only if necessary.

----- Forwarded by Tim Detzer/DPW/Milwaukee County on 05/08/2013 08:22 AM -----

From: "Kasdorf, James H Jr - DNR" <James.KasdorfJr@wisconsin.gov>
To: "Tim.Detzer@milwcnty.com" <Tim.Detzer@milwcnty.com>,

Date: 05/08/2013 06:57 AM

Subject: RE: Bliffert Site, Milwaukee - PECFA No. 53226-42-8233

May 8, 2013

Hi Tim:

Linda's changes are acceptable to WDNR. Thank you.

Jim Kasdorf

Jim Kasdorf
Hydrogeologist
Remediation and Redevelopment
Wisconsin Department of Natural Resources
(☎) **phone:** (414) 263-8366
(☎) **fax:** (414) 263-8550
(✉) **e-mail:** James.KasdorfJr@Wisconsin.gov

From: Tim.Detzer@milwcnty.com [mailto:Tim.Detzer@milwcnty.com]
Sent: Tuesday, May 07, 2013 3:18 PM
To: Kasdorf, James H Jr - DNR
Cc: Bergmann, Bryan; kyass@trcsolutions.com; Michalets, Linda M - DSPS; Chuck.Wikenhauser@milwcnty.com; Karl.Hackbarth@milwcnty.com
Subject: Fw: Bliffert Site, Milwaukee - PECFA No. 53226-42-8233

Hi Jim,

We submitted our scope of work for the Bliffert Site to the PECFA program for approval and Linda Michalets had a few suggestions. I believe her suggestions have merit, but I wanted your approval before committing to the changes.

Let me know as soon as you can what you think.

Thanks you, sincerely,

Tim Detzer, P.E.
Environmental Engineer
Milwaukee County
A&E-ES Section , Milw. County DAS-FM
2711 West Wells Street #213
Milwaukee, WI 53208
(414) 278-2988
Fax (414) 223-1853

Please print only if necessary.

----- Forwarded by Tim Detzer/DPW/Milwaukee County on 05/07/2013 03:10 PM -----

From: "Michalets, Linda M - DSPS" <Linda.Michalets@Wisconsin.gov>
To: "'Yass, Kenneth'" <KYass@trcsolutions.com>,
Cc: "Tim.Detzer@milwcnty.com" <Tim.Detzer@milwcnty.com>, "Bergmann, Bryan" <BBergmann@trcsolutions.com>
Date: 05/06/2013 03:38 PM
Subject: RE: Bliffert Site, Milwaukee - PECFA No. 53226-42-8233

Hello All,
I have reviewed the TRC proposal and agree with the majority of the SOW. I have been able to look over the historic data, although I don't have some of the older reports. If you think I am off on my suggestions, please let me know. I also reread the DNR's comments that were emailed on March 11, 2013. Based upon the DNR comments and PECFA's opinion that this site is very close to closure, I suggest the following adjustments:

I will approve costs for up to 15 borings, as requested. However, I would like to see more water samples collected. It is anticipated that the water samples, collected in conjunction with soil sampling, will provide substantial empirical evidence (or not) that there is a minimal dissolved groundwater contaminant plume, and only "residual" product, if any. I have adjusted the costs for up to 7 temporary wells, of a total maximum of 15 borings. Less than 15 borings can be installed. Less than 7 temp wells can be used if it appears that the borings are minimally contaminated. It is anticipated that this sampling will be used to justify case closure without an excavation.

I have adjusted the water sampling from across-the-board PVOC+N and PAHs, to a sampling protocol based on historic data collected. This will save money, in spite of the additional water samples (up from 12 to 16). Based on historic data, I suggest the following:

MW-1 = PAH	MW-5 = PVOC+N	Up to 7 temp wells = PAH + PVOC
MW-2R = PAH + PVOC	MW-6 = PVOC+N	
MW-3 = PAH + PVOC	MW-7 =PVOC+N	
MW-4 = PAH	MW-8 = PVOC+N	
	MW-11 = PVOC+N	

I suggest removing the GRO, DRO and Lead analyses from the soil sampling. I cannot find any indication from soil sampling done in 1993 or 2001 that lead is of concern at the site. I also think that with the amount of soil sampling done across the site, that GRO and DRO analyses are not going to provide useful data for a closure decision. The specific PVOC and PAH analyses at each sample point are what future decisions should be based on.

Based on the DNR comments (3/11/13 email attached) about sample locations, I suggest modifying the sample locations. I have attached a modified sampling map, based on what TRC submitted. This has only 7 soil-water sampling points and 3 soil-only sampling points. These certainly can be modified and added to, based on conditions encountered in the field, but I think it is in keeping with DNR's concerns. Please let me know if this you have issues or questions about this. It is only slightly modified from what TRC proposed, but I think it is important to collect some data downgradient - on the other side - of the remedial system, to determine the effectiveness of the system ops.

I highly suggest that the temp wells be removed right after the water samples are collected. A second mobilization just to remove the wells will not be PECFA eligible.

I have attached a draft UCCS spreadsheet, slightly adjusting TRC's request. Please let me know if you have questions. **I will finalize my approval with a formal letter when I hear back from you**. I haven't included Jim Kasdorf on the email, but feel free to discuss any of these issues with him.

Thank you,
Linda

Linda Michalets
Hydrogeologist
PECFA Site Review Section
Bureau of Environmental Services
Division of Industry Services
WI Department of Safety & Professional Services
141 NW Barstow Street, 4th Floor
Waukesha, WI 53188

Phone: 262-521-2610
Fax: 262-521-5187

PECFA Website: http://dsps.wi.gov/er/ER-PECFA-Home.html

From: Yass, Kenneth [mailto:KYass@trcsolutions.com]
Sent: Monday, April 29, 2013 11:55 AM
To: Michalets, Linda M - DSPS
Cc: Tim.Detzer@milwcnty.com; Bergmann, Bryan
Subject: Bliffert Site, Milwaukee - PECFA No. 53226-42-8233

Ms. Michalets,

Attached please find the U&C Scope of Work Approval for subsurface investigation at the above-referenced site. Please review and let us know if you would like to discuss. Once we hear back from you, we will proceed with this work.

Thank you,
Ken

Ken W. Yass, P.E., CHMM
Project Manager
Remediation Team Leader – Milwaukee Office

150 North Patrick Boulevard, Suite 180, Brookfield, WI 53045
T: 262.901.2145 direct | F: 262.879.1220 | C: 414.416.1154
kyass@trcsolutions.com
LinkedIn | Twitter | Blog | Flickr | www.trcsolutions.com

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Attachment 2

Boring Logs and Abandonment Forms

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Milwaukee County - Former Bliffert Lumber		GP-13-1

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental	5/29/2013	5/29/2013	Direct Push

WI Unique Well No.		Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29 , T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Clayey Sand and Gravel, some slag and foundry sand (~40% by volume), dark brown with some black staining, no odor, dry				9.1						
	24		4					13.9						Soil Sampled for Laboratory Analysis
2	24		6	Clayey Silt, wet, cohesive, semi-plastic, no stains/odors, light gray				0.1						
	24		8					0.0						
3	12		10	Silt, moist, non-plastic, semi-cohesive, no stains/odors, light gray				0.0						

EOB @ 10' bgs, hit refusal
Temporary well installed, screened from 3'-8' bgs
Groundwater samples were collected on 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Milwaukee County - Former Bliffert Lumber		GP-13-2

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/29/2013	5/29/2013	Direct Push

WI Unique Well No.		Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29 , T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
Feet N S Feet E W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	12		2	Fill: Clayey Gravel, some foundry sand (~20% by volume), dark brown with some black staining, no odor, dry				0.5						Soil Sampled for Laboratory Analysis
	12		4					0.0						
2	6		6 8	Sandy Gravel, wet, strong petroleum odor, dark brown with some black staining				301.5						
3	20		10					126.6						
	20		12	Silt, no stains, strong odor, non-cohesive, non-plastic, light gray				178.4						

EOB @ 12' bgs
Temporary well installed, screened from 3'-8' bgs
Groundwater samples were collected on 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Milwaukee County - Former Bliffert Lumber		GP-13-3

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/29/2013	5/29/2013	Direct Push

WI Unique Well No.		Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29 , T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sand and Gravel Fill, some foundry sand (~50% by volume), dry, dark brown				1.2						
	24		4					5.3						Soil Sampled for Laboratory Analysis
2	24		6	Clayey Silt, semi-cohesive, semi-plastic, moist, no stains/odors, light gray Wet @ ~6'				1.3						
	24		8					2.1						
3	24		10					1.0						

EOB @ 10' bgs, hit refusal
Temporary well installed, screened from 3'-8' bgs

Groundwater samples were collected on 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1
Facility/Project Name: Milwaukee County - Former Bliffert Lumber	License/Permit/Monitoring Number	Boring Number: GP-13-4

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/29/2013	5/29/2013	Direct Push

WI Unique Well No.		Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				-	2"

Local Grid Origin (Estimated:) or Boring Location

State Plane: N, W

SW 1/4 of SW 1/4 of Section 29, T 7 N, R 21 E

Lat o ' "

Long o ' "

Local Grid Location: N E; Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sand and Gravel, some foundry sand and slag (~40% by volume), no odors, dark brown				10.4						Soil Sampled for Laboratory Analysis
	24		4					2.7						
2	24		6	Fill: Foundry Sand (100% by volulme), black, strong petroleum odor, wet @ ~5'				268.8						
	24		8					174.9						
3	24		10	Silty Clay, no stains, slight odor, semi-moist, semi-plastic, cohesive, light gray				122.3						
	24		12					36.4						

EOB @ 12'

Boerhole abandoned on 5-29-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1
Facility/Project Name: Milwaukee County - Former Bliffert Lumber	License/Permit/Monitoring Number	Boring Number: GP-13-5

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/29/2013	5/29/2013	Direct Push

WI Unique Well No.		Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				-	2"

Local Grid Origin (Estimated:) or Boring Location

State Plane: N, W

SW 1/4 of SW 1/4 of Section 29, T 7 N, R 21 E

Lat o ' "

Long o ' "

Local Grid Location: N E; Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	20		2	Fill: Foundry Sand (~70% by volume) with some sand and gravel, dark brown with some black staining, strong odor				3.1						
	20		4	Wet @ ~3.5'				90.3						Soil Sampled for Laboratory Analysis
2	24		6					219.1						
	24		8					451.2						
3	24		10					362.8						
	24		12	Clayey Silt, semi-cohesive, semi-plastic, slight odor, no stains, moist, light gray				98.0						

EOB @ 12' bgs

Temporary well installed, screened from 3'-8' bgs

Groundwater samples were collected on 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1
Facility/Project Name: Milwaukee County - Former Bliffert Lumber	License/Permit/Monitoring Number	Boring Number: GP-13-6

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/29/2013	5/29/2013	Direct Push

WI Unique Well No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29, T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Foundry Sand (~70% by volume) with some sand and gravel, black and orange color, dry, slight odor				6.3						
	24		4					21.8						
2	20		6	Strong Petroleum Odor @ ~4' Wet @ ~6', Black staining from ~6' to 11'				155.6						Soil Sampled for Laboratory Analysis
	20		8					221.7						
3	20		10					171.3						
	20		12	Silt, moist, no stains, petroleum odor, non-cohesive, light gray				337.1						

EOB @ 12' bgs
Temporary well installed, screened from 3'-8' bgs
Groundwater samples were collected 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Milwaukee County - Former Bliffert Lumber		GP-13-7

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/30/2013	5/30/2013	Direct Push

WI Unique Well No.		Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29 , T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sand and Gravel, no stains, no odors, dry, dark brown				2.2						
	24		4	Sand, well sorted, medium grained, non-cohesive dry, light brown				1.9						
2	20		6	Wet @ ~6'				1.3						Soil Sampled for Laboratory Analysis
	20		8	Gravel, ~0.25" diameter grains, well sorted, no stains, no odors, light brown, wet				2.6						
3	12		10	Silt, stiff, petroleum odor, dark borwn with black staining				257.2						

EOB @ 10', hit refusal

Borehole abaondoned on 5-30-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1
Facility/Project Name: Milwaukee County - Former Bliffert Lumber	License/Permit/Monitoring Number	Boring Number: GP-13-8

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/30/2013	5/30/2013	Direct Push

WI Unique Well No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29, T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
Feet N S Feet E W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Foundry Sand (~60% by volume) with Clayey Sand and Gravel, some black staining, slight unknown odor				6.3						
	24		4					1.4						Soil Sampled for Laboratory Analysis
2	12		6	Wet @ ~5'				1.0						
	12		8					0.9						
3	20		10					0.3						
	20		12	Silt, moist, no stains, no odors, non-cohesive, soft, light gray				0.2						

EOB @ 12' bgs
Temporary well installed, screened from 3'-8' bgs
Groundwater samples were collected on 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1
Facility/Project Name: Milwaukee County - Former Bliffert Lumber	License/Permit/Monitoring Number	Boring Number: GP-13-9

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/29/2013	5/29/2013	Direct Push

WI Unique Well No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29, T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sandy Gravel with some Foundry Sand (~20% by volume), slight odor, dark brown with some black staining, dry				9.9						
	24		4	Silty Clay Till, semi-plastic, no stains/odors, cohesive, clasts up to 0.25", yellowish brown				4.9						
2	24		6	Sand Seam from ~6' to 6.75', well sorted, medium grained, no stains/odors, moist, light brown				3.0						Soil Sampled for Laboratory Analysis
	24		8					2.2						
3	24		10					1.7						
	24		12					1.0						

EOB @ 12' bgs
Temporary well installed, screened from 3'-8' bgs
Groundwater samples were collected on 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1
Facility/Project Name: Milwaukee County - Former Bliffert Lumber	License/Permit/Monitoring Number	Boring Number: GP-13-10

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/29/2013	5/29/2013	Direct Push

WI Unique Well No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29, T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
Feet N S Feet E W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sand and Gravel with Foundry Sand (~20% by volume), no odors, some staining, dry, yellowish brown				1.8						
	24		4					1.4						
2	20		6	Silty Clay, cohesive, plastic, moist, no stains/odors, yellowish brown ~6' to 6.5' Sand Seam, no stains/odors, well sorted, medium grained, light brown				1.9						Soil Sampled for Laboratory Analysis
	20		8					1.4						
3	24		10	Sandy Silt, some odor, black staining, wet, well sorted, fine grained				247.0						
	24		12					190.6						

EOB @ 12' bgs
Temporary well installed, screened from 3'-8' bgs
Groundwater samples were collected 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1
Facility/Project Name: Milwaukee County - Former Bliffert Lumber	License/Permit/Monitoring Number	Boring Number: GP-13-11

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/30/2013	5/30/2013	Direct Push

WI Unique Well No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29, T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
Feet N S Feet E W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sand and Gravel with some Foundry Sand (~20% by volume), dry, dark brown				4.9						
	24		4	Silt, moist, non-cohesive, non-plastic, soft, gray Wet @ ~4'				323.6						Soil Sampled for Laboratory Analysis
2	24		6	Silty Sand, very fine grained, well sorted, soft, non-cohesive, dark gray				416.4						
	24		8					323.7						
3	24		10					281.4						

EOB @ 10' bgs, hit refusal on concrete
Temporary well installed, screened from 3'-8' bgs
Groundwater samples were collected 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Milwaukee County - Former Bliffert Lumber		GP-13-12

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/30/2013	5/30/2013	Direct Push

WI Unique Well No.		Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29 , T 7 N, R 21 E

Lat o ' "
Long o ' "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sand and Gravel with some Foundry Sand (~10% by volume), dry, dark brown				2.2						
	24		4	Wet @ ~5'				2.4						
2	24		6	Sandy Silt, wet, no stains/odors, non-cohesive, soft, light gray				1.4						Soil Sampled for Laboratory Analysis
	24		8					1.2						
3	24		10					0.5						

EOB @ 10' bgs, hit refusal
Temporary well installed, screened from 3'-8' bgs
Groundwater samples were collected on 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1
Facility/Project Name: Milwaukee County - Former Bliffert Lumber	License/Permit/Monitoring Number	Boring Number: GP-13-13

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/30/2013	5/30/2013	Direct Push

WI Unique Well No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29, T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sand and Gravel, some organic material, no stains, no odors, dark brown				1.0						
	24		4	Sand, fine grained, well sorted, no stains/odors, yellowish brown				1.1						
2	24		6					1.5						
	24		8					1.4						Soil Sampled for Laboratory Analysis
3	24		10	Wet @ ~8.5'				0.6						
	24		12					0.1						
4	24		14	Silt Till, very hard, dry, no stains/odors, yellowish brown				0.2						
	24		16					0.1						
5	24		17					0.1						

EOB @ 17' bgs
Temporary well installed, screened from 7'-17' bgs
Groundwater samples were collected 6-3-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Milwaukee County - Former Bliffert Lumber		GP-13-14

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/30/2013	5/30/2013	Direct Push

WI Unique Well No.		Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				-	2"

Local Grid Origin (Estimated:) or Boring Location
State Plane: N, W
SW 1/4 of SW 1/4 of Section 29 , T 7 N, R 21 E
Lat o ' "
Long o ' "

Local Grid Location
N E
Feet S Feet W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sand and Gravel, no stains, no odors, dark brown				1.1						
	24		4	Sand, moist, no stains/odors, medium grained, well sorted, yellowish brown				2.3						
2	24		6	Sandy Silt, some gravel <15%, no stains, no odors, semi-cohesive, dark gray				2.6						
	24		8	Wet @ ~8'				1.0						Soil Sampled for Laboratory Analysis
3	24		10					1.9						
	24		12					1.5						
4	12		13	Sand, well sorted, fine to medium grained, no stains/odors, yellowish brown				1.5						

EOB @ 13' bgs
Temporary well installed, screened from 7'-12' bgs
Groundwater samples were collected

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

TRC Project No: 202083.0000.0000	Route To: Remediation/Redevelopment	Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Milwaukee County - Former Bliffert Lumber		GP-13-15

Boring Drilled By: Name of crew chief (first, Last) and Firm	Date Started	Date Completed	Drilling Method
First Name: Greg Last Name: Kitson Firm: Kitson Environmental Services, Inc.	5/30/2013	5/30/2013	Direct Push

WI Unique Well No.		Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
				-	2"

Local Grid Origin (Estimated:) or Boring Location

State Plane: N, W

SW 1/4 of SW 1/4 of Section 29 , T 7 N, R 21 E

Lat o ' "

Long o ' "

Local Grid Location

Feet N S Feet E W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee		Wauwatosa

Sample Number	Length (In) Recovered	Blow Counts	Depth in Feet [Below Ground Surface]	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID Reading	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1	24		2	Fill: Sandy Gravel with some Foundry Sand (~30% by volume), slight odor, dark brown with some black staining, dry				3.0						
	24		4					2.2						
2	24		6	Sandy Silt, wet, non-cohesive, soft, dark gray with some black staining, strong petroleum odor				59.2						Soil Sampled for Laboratory Analysis
	24		8					429.1						
3	24		10					109.1						
	24		12					357.4						

EOB @ 12'

Borehole abandoned on 5-30-2013

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	TRC Environmental Corporation Brookfield, WI

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Milwaukee
WI Unique Well # of Removed Well: _ _ _ _ _
Hicap #:
Lattitude / Longitude (Degrees and Minutes): __ __ ° __ __ . __ __ __ 'N / __ __ ° __ __ . __ __ __ 'W
Method Code (see instructions): _ _ _ _ _ _
¼ / ¼: SW ¼: SW
or Gov't Lot #:
Section: 29
Township: 7 N
Range: 21 ☒ E ☐ W
Well Street Address: 10733 W. Bluemound Rd
Well City, Village or Town: Wauwatosa
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Prevent Contamination
WI Unique Well # of Replacement Well: _ _ _ _ _

2. Facility / Owner Information

Facility Name: Milwaukee Zoo / Bliffert Lumber
Facility ID (FID or PWS): 241494110
License/Permit/Monitoring #:
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 2711 W. Wells St.
City of Present Owner: Milwaukee
State: WI
ZIP Code: 53208

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 05/29/2013
If a Well Construction Report is available, please attach. N/A
Construction Type: ☐ Drilled ☒ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock
Total Well Depth From Ground Surface (ft.): 12
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 2.38
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?:
Depth to Water (feet): 3

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☐	☒
Casing left in place?	☐	☐	☒
Was casing cut off below surface?	☐	☐	☒
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☒	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☒	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	12	15 lbs	100%

6. Comments

GP-13-4

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Gregory J. Kitson
License #:
Date of Filling & Sealing (mm/dd/yyyy): 05/29/2013
Street or Route: W3706 Krentz Rd
Telephone Number: (920) 285-2759
City: Johnson Creek
State: WI
ZIP Code: 53038
Signature of Person Doing Work: [signature]
Date Signed: 6-18-13

DNR Use Only

Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Milwaukee
WI Unique Well # of Removed Well: — — — — —
Hicap #:
Lattitude / Longitude (Degrees and Minutes): — — ° — — . — — — ' N; — — ° — — . — — — ' W
Method Code (see instructions):
¼ / ¼: SW ¼: SW
Section: 29 Township: 7 N Range: 21 ☒ E ☐ W
or Gov't Lot #:
Well Street Address: 10733 W. Bluemound Rd
Well City, Village or Town: Wauwatosa
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Prevent contamination
WI Unique Well # of Replacement Well: — — — — —

2. Facility / Owner Information

Facility Name: Milwaukee Zoo / Bliffert Lumber
Facility ID (FID or PWS): 241494110
License/Permit/Monitoring #:
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 2711 W. Wells St.
City of Present Owner: Milwaukee State: WI ZIP Code: 53208

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 05/30/2013
If a Well Construction Report is available, please attach. N/A

Construction Type: ☐ Drilled ☒ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 2.38
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?
Depth to Water (feet): 3

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☐	☒
Casing left in place?	☐	☐	☒
Was casing cut off below surface?	☐	☐	☒
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☒	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☒	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	10	15 lbs	100%

6. Comments

GP-13-7

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Gregory J. Kitson
License #:
Date of Filling & Sealing (mm/dd/yyyy): 06/30/2013
Street or Route: W3706 Krentz Rd
Telephone Number: (920) 285-2759
City: Johnson Creek State: WI ZIP Code: 53038
Signature of Person Doing Work:
Date Signed: 6-18-13

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other: ____

1. Well Location Information

County: Milwaukee
WI Unique Well # of Removed Well: ____
Hicap #:
Lattitude / Longitude (Degrees and Minutes): __ __ ° __ __ . __ __ __ 'N; __ __ ° __ __ . __ __ __ 'W
Method Code (see instructions): ____
¼ / ¼: SW ¼: SW
Section: 29 Township: 7 N Range: 21 ☒ E ☐ W
or Gov't Lot #:
Well Street Address: 10733 W. Bluemound Rd
Well City, Village or Town: Wauwatosa
Well ZIP Code:
Subdivision Name:
Lot #:
Reason For Removal From Service: Prevent contamination
WI Unique Well # of Replacement Well: ____

2. Facility / Owner Information

Facility Name: Milwaukee Zoo / Biffert Lumber
Facility ID (FID or PWS): 241494110
License/Permit/Monitoring #:
Original Well Owner: Milwaukee County
Present Well Owner: Milwaukee County
Mailing Address of Present Owner: 2711 W. Wells St.
City of Present Owner: Milwaukee State: WI ZIP Code: 53208

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 05/30/2013
If a Well Construction Report is available, please attach. N/A

Construction Type: ☐ Drilled ☒ Driven (Sandpoint) ☐ Dug ☐ Other (specify): ____

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock
Total Well Depth From Ground Surface (ft.): 12
Casing Diameter (in.):
Lower Drillhole Diameter (in.): 2.38
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?:
Depth to Water (feet): 3

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☐	☒
Casing left in place?	☐	☐	☒
Was casing cut off below surface?	☐	☐	☒
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☒	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☒	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials: ☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.) ☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " " ☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	12	15 lbs	100%

6. Comments

GP-13-15

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Gregory J. Kitson		06/30/2013		

Street or Route: W3706 Krentz Rd
Telephone Number: (920) 285-2759
Comments:

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Johnson Creek	WI	53038	[signature]	6-18-13

Attachment 3

Laboratory Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-57585-1
Client Project/Site: WISDOT - Bliffert - 202083.0000.0000
Revision: 1

For:
TRC Environmental Corporation.
150 N. Patrick Blvd.
Suite 180
Brookfield, Wisconsin 53045

Attn: Ken Yass

Authorized for release by:
6/20/2013 11:40:16 AM

Sandie Fredrick, Project Manager I
sandie.fredrick@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Job ID: 500-57585-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-57585-1

Comments
WI GRO added to all samples at the request of the client.

Receipt
The samples were received on 6/1/2013 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9º C.

Except: Sample #7 the ID on the COC is GP-13-9 (4-6), all the containers have GP-13-5 (4-6). logged per the COC.

GC/MS Semi VOA
Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: GP-13-8 (2-4) (500-57585-10). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: 500-57585-6 ; 11and -11DL had Nitrobenzene at 118%; 380% and 356% (30%-115%). All other surrogates were within limits. No further action was required.GP-13-11 (2-4) (500-57585-11), GP-13-6 (4-6) (500-57585-6)

Method(s) 8270D: The matrix spike duplicate (MSD) recoveries and RPD values for sample -1 were outside control limits. The associated laboratory control sample (LCS) and matrix spike (MS) recovery met acceptance criteria. GP-13-1 (2-4) (500-57585-1)

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-1 (2-4) — Lab Sample ID: 500-57585-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	79		35	17	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	65	J	180	45	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	12	J	35	10	ug/Kg	1	☼	8270D	Total/NA
Anthracene	37		35	8.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	52		35	7.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	47		35	6.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	60		35	6.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	34	J	35	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	22	J	35	8.3	ug/Kg	1	☼	8270D	Total/NA
Chrysene	52		35	7.9	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	15	J	35	9.8	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	79		35	14	ug/Kg	1	☼	8270D	Total/NA
Fluorene	8.7	J	35	7.9	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	25	J	35	12	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	32	J	35	6.7	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	230		35	15	ug/Kg	1	☼	8270D	Total/NA
Pyrene	110		35	13	ug/Kg	1	☼	8270D	Total/NA
Ethylbenzene	18	J	24	18	ug/Kg	1	☼	WDNR	Total/NA
Toluene	160		24	16	ug/Kg	1	☼	WDNR	Total/NA
1,3,5-Trimethylbenzene	47		24	14	ug/Kg	1	☼	WDNR	Total/NA
Xylenes, Total	36	J	71	28	ug/Kg	1	☼	WDNR	Total/NA
Wisconsin GRO	7700		4700	2400	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: GP-13-2 (0-2) — Lab Sample ID: 500-57585-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	70		37	19	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	94	J	190	49	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	59		37	7.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	82		37	6.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	160		37	7.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	160		37	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	81		37	9.0	ug/Kg	1	☼	8270D	Total/NA
Chrysene	86		37	8.5	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	55		37	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	73		37	15	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	110		37	13	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	23	J	37	7.3	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	49		37	16	ug/Kg	1	☼	8270D	Total/NA
Pyrene	71		37	14	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: GP-13-3 (2-4) — Lab Sample ID: 500-57585-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	130		37	18	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	110	J	190	48	ug/Kg	1	☼	8270D	Total/NA
Anthracene	29	J	37	8.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	56		37	7.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	46		37	6.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	75		37	7.2	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-3 (2-4) (Continued) — Lab Sample ID: 500-57585-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	40		37	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	24	J	37	8.9	ug/Kg	1	☼	8270D	Total/NA
Chrysene	63		37	8.4	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	17	J	37	10	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	96		37	15	ug/Kg	1	☼	8270D	Total/NA
Fluorene	10	J	37	8.4	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	35	J	37	13	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	57		37	7.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	320		37	16	ug/Kg	1	☼	8270D	Total/NA
Pyrene	110		37	13	ug/Kg	1	☼	8270D	Total/NA
Benzene	29		28	20	ug/Kg	1	☼	WDNR	Total/NA
Ethylbenzene	99		28	21	ug/Kg	1	☼	WDNR	Total/NA
Methyl tert-butyl ether	15	J	28	14	ug/Kg	1	☼	WDNR	Total/NA
Toluene	190		28	19	ug/Kg	1	☼	WDNR	Total/NA
1,2,4-Trimethylbenzene	73		28	17	ug/Kg	1	☼	WDNR	Total/NA
1,3,5-Trimethylbenzene	55		28	17	ug/Kg	1	☼	WDNR	Total/NA
Xylenes, Total	270		85	34	ug/Kg	1	☼	WDNR	Total/NA
Wisconsin GRO	12000		5600	2800	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: GP-13-4 (0-2) — Lab Sample ID: 500-57585-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	34	J	38	19	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	26	J	38	11	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	16	J	38	8.7	ug/Kg	1	☼	8270D	Total/NA
Anthracene	180		38	8.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	750		38	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	710		38	6.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	940		38	7.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	700		38	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	300		38	9.0	ug/Kg	1	☼	8270D	Total/NA
Chrysene	640		38	8.6	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	250		38	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	1200		38	16	ug/Kg	1	☼	8270D	Total/NA
Fluorene	22	J	38	8.6	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	560		38	13	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	38		38	7.3	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	650		38	16	ug/Kg	1	☼	8270D	Total/NA
Pyrene	990		38	14	ug/Kg	1	☼	8270D	Total/NA
1,2,4-Trimethylbenzene	80		31	19	ug/Kg	1	☼	WDNR	Total/NA
1,3,5-Trimethylbenzene	70		31	19	ug/Kg	1	☼	WDNR	Total/NA
Xylenes, Total	57	J	94	38	ug/Kg	1	☼	WDNR	Total/NA
Wisconsin GRO	47000		6300	3100	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: GP-13-5 (2-4) — Lab Sample ID: 500-57585-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	380		38	19	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	290		190	50	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	1000		38	8.1	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GP-13-5 (2-4) (Continued) — Lab Sample ID: 500-57585-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	1200		38	7.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	2400		38	7.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	2200		38	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	780		38	9.2	ug/Kg	1	☼	8270D	Total/NA
Chrysene	1700		38	8.7	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	690		38	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	910		38	16	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1500		38	13	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	210		38	7.4	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	200		38	16	ug/Kg	1	☼	8270D	Total/NA
Pyrene	1100		38	14	ug/Kg	1	☼	8270D	Total/NA
Ethylbenzene	50		28	21	ug/Kg	1	☼	WDNR	Total/NA
1,2,4-Trimethylbenzene	110		28	17	ug/Kg	1	☼	WDNR	Total/NA
1,3,5-Trimethylbenzene	63		28	17	ug/Kg	1	☼	WDNR	Total/NA
Xylenes, Total	34	J	84	34	ug/Kg	1	☼	WDNR	Total/NA
Wisconsin GRO	9500		5600	2800	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: GP-13-6 (4-6) — Lab Sample ID: 500-57585-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	2600		35	18	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	2300		180	46	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	1200		35	7.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	1300		35	6.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	2200		35	6.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	780		35	8.4	ug/Kg	1	☼	8270D	Total/NA
Chrysene	1800		35	8.0	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	790		35	9.8	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	1400		35	14	ug/Kg	1	☼	8270D	Total/NA
Fluorene	660		35	8.0	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1900		35	12	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	470		35	6.8	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	2000		35	15	ug/Kg	1	☼	8270D	Total/NA
Pyrene	1300		35	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene - DL	2800		180	59	ug/Kg	5	☼	8270D	Total/NA
Benzene	64		29	21	ug/Kg	1	☼	WDNR	Total/NA
Ethylbenzene	92		29	22	ug/Kg	1	☼	WDNR	Total/NA
Toluene	66		29	19	ug/Kg	1	☼	WDNR	Total/NA
1,2,4-Trimethylbenzene	380		29	17	ug/Kg	1	☼	WDNR	Total/NA
1,3,5-Trimethylbenzene	620		29	17	ug/Kg	1	☼	WDNR	Total/NA
Xylenes, Total	120		86	34	ug/Kg	1	☼	WDNR	Total/NA
Wisconsin GRO	210000		5700	2900	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: GP-13-9 (4-6) — Lab Sample ID: 500-57585-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	9.3	J	36	8.3	ug/Kg	1	☼	8270D	Total/NA
Wisconsin GRO	11000		3800	1900	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: GP-13-10 (4-6) — Lab Sample ID: 500-57585-8

This Detection Summary does not include radiochemical test results.

Client Sample ID: GP-13-10 (4-6) (Continued) — Lab Sample ID: 500-57585-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	63		36	18	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	69		36	11	ug/Kg	1	☼	8270D	Total/NA
Anthracene	45		36	8.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	12	J	36	7.0	ug/Kg	1	☼	8270D	Total/NA
Chrysene	16	J	36	8.1	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	15	J	36	15	ug/Kg	1	☼	8270D	Total/NA
Fluorene	130		36	8.2	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	150		36	15	ug/Kg	1	☼	8270D	Total/NA
Pyrene	16	J	36	13	ug/Kg	1	☼	8270D	Total/NA
1,3,5-Trimethylbenzene	26		23	14	ug/Kg	1	☼	WDNR	Total/NA
Wisconsin GRO	5300		4700	2300	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: GP-13-7 (4-6) — Lab Sample ID: 500-57585-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	19	J	34	10	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	8.8	J	34	7.9	ug/Kg	1	☼	8270D	Total/NA
Anthracene	160		34	8.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	750		34	7.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	670		34	6.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	900		34	6.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	560		34	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	330		34	8.2	ug/Kg	1	☼	8270D	Total/NA
Chrysene	620		34	7.8	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	210		34	9.6	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	1300		34	14	ug/Kg	1	☼	8270D	Total/NA
Fluorene	23	J	34	7.8	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	460		34	12	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	9.4	J	34	6.6	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	480		34	14	ug/Kg	1	☼	8270D	Total/NA
Pyrene	1100		34	12	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: GP-13-8 (2-4) — Lab Sample ID: 500-57585-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	27	J	40	9.4	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	220		40	8.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	250		40	7.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	330		40	7.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	230		40	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	140		40	9.5	ug/Kg	1	☼	8270D	Total/NA
Chrysene	200		40	9.0	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	82		40	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	460		40	16	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	190		40	13	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	100		40	17	ug/Kg	1	☼	8270D	Total/NA
Pyrene	400		40	14	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: GP-13-11 (2-4) — Lab Sample ID: 500-57585-11

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-11 (2-4) (Continued) — Lab Sample ID: 500-57585-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	11000		1900	500	ug/Kg	10	☼	8270D	Total/NA
Acenaphthene	3200		380	110	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	1500		380	88	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	120	J	380	80	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	130	J	380	70	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	200	J	380	74	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	170	J	380	130	ug/Kg	10	☼	8270D	Total/NA
Chrysene	180	J	380	86	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	370	J	380	160	ug/Kg	10	☼	8270D	Total/NA
Fluorene	6100		380	87	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	160	J	380	130	ug/Kg	10	☼	8270D	Total/NA
Naphthalene	1600		380	74	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	7900		380	160	ug/Kg	10	☼	8270D	Total/NA
Pyrene	640		380	140	ug/Kg	10	☼	8270D	Total/NA
1-Methylnaphthalene - DL	43000		1900	950	ug/Kg	50	☼	8270D	Total/NA
Benzene	22	J	26	19	ug/Kg	1	☼	WDNR	Total/NA
Ethylbenzene	35		26	20	ug/Kg	1	☼	WDNR	Total/NA
1,2,4-Trimethylbenzene	1700		26	16	ug/Kg	1	☼	WDNR	Total/NA
Xylenes, Total	250		79	32	ug/Kg	1	☼	WDNR	Total/NA
Wisconsin GRO	860000		53000	26000	ug/Kg	10	☼	WDNR	Total/NA

Client Sample ID: GP-13-12 (4-6) — Lab Sample ID: 500-57585-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	23	J	38	19	ug/Kg	1	☼	8270D	Total/NA
Anthracene	39		38	8.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	160		38	7.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	170		38	6.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	240		38	7.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	160		38	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	110		38	9.0	ug/Kg	1	☼	8270D	Total/NA
Chrysene	160		38	8.5	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	54		38	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	300		38	15	ug/Kg	1	☼	8270D	Total/NA
Fluorene	12	J	38	8.6	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	140		38	13	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	21	J	38	7.3	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	150		38	16	ug/Kg	1	☼	8270D	Total/NA
Pyrene	270		38	14	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: GP-13-13 (6-8) — Lab Sample ID: 500-57585-13

No Detections.

Client Sample ID: GP-13-14 (6-8) — Lab Sample ID: 500-57585-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	21	J	37	6.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	16	J	37	7.2	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	17	J	37	12	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	12	J	37	8.8	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-14 (6-8) (Continued) — Lab Sample ID: 500-57585-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	16	J	37	8.4	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	24	J	37	12	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	19	J	37	15	ug/Kg	1	☼	8270D	Total/NA
1,3,5-Trimethylbenzene	25		25	15	ug/Kg	1	☼	WDNR	Total/NA
Wisconsin GRO	6600		5100	2500	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: GP-13-15 (4-6) — Lab Sample ID: 500-57585-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	61		39	20	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	60	J	200	51	ug/Kg	1	☼	8270D	Total/NA
Anthracene	25	J	39	9.2	ug/Kg	1	☼	8270D	Total/NA
Chrysene	13	J	39	8.9	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	18	J	39	7.6	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	49		39	16	ug/Kg	1	☼	8270D	Total/NA
Pyrene	47		39	14	ug/Kg	1	☼	8270D	Total/NA
1,2,4-Trimethylbenzene	70		27	16	ug/Kg	1	☼	WDNR	Total/NA
1,3,5-Trimethylbenzene	160		27	16	ug/Kg	1	☼	WDNR	Total/NA
Wisconsin GRO	57000		5400	2700	ug/Kg	1	☼	WDNR	Total/NA

Client Sample ID: MEOH Blank — Lab Sample ID: 500-57585-16

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
WDNR	Wisconsin - Gasoline Range Organics (GC)	WI-GRO	TAL NSH
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-57585-1	GP-13-1 (2-4)	Solid	05/29/13 00:00	06/01/13 09:20
500-57585-2	GP-13-2 (0-2)	Solid	05/29/13 00:00	06/01/13 09:20
500-57585-3	GP-13-3 (2-4)	Solid	05/29/13 00:00	06/01/13 09:20
500-57585-4	GP-13-4 (0-2)	Solid	05/29/13 00:00	06/01/13 09:20
500-57585-5	GP-13-5 (2-4)	Solid	05/29/13 00:00	06/01/13 09:20
500-57585-6	GP-13-6 (4-6)	Solid	05/29/13 00:00	06/01/13 09:20
500-57585-7	GP-13-9 (4-6)	Solid	05/29/13 00:00	06/01/13 09:20
500-57585-8	GP-13-10 (4-6)	Solid	05/29/13 00:00	06/01/13 09:20
500-57585-9	GP-13-7 (4-6)	Solid	05/30/13 00:00	06/01/13 09:20
500-57585-10	GP-13-8 (2-4)	Solid	05/30/13 00:00	06/01/13 09:20
500-57585-11	GP-13-11 (2-4)	Solid	05/30/13 00:00	06/01/13 09:20
500-57585-12	GP-13-12 (4-6)	Solid	05/30/13 00:00	06/01/13 09:20
500-57585-13	GP-13-13 (6-8)	Solid	05/30/13 00:00	06/01/13 09:20
500-57585-14	GP-13-14 (6-8)	Solid	05/30/13 00:00	06/01/13 09:20
500-57585-15	GP-13-15 (4-6)	Solid	05/30/13 00:00	06/01/13 09:20
500-57585-16	MEOH Blank	Solid	05/30/13 00:00	06/01/13 09:20

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-1 (2-4)

Lab Sample ID: 500-57585-1

Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	79		35	17	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
2-Methylnaphthalene	65	J	180	45	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Acenaphthene	12	J	35	10	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Acenaphthylene	<8.0		35	8.0	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Anthracene	37		35	8.2	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Benzo[a]anthracene	52		35	7.3	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Benzo[a]pyrene	47		35	6.4	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Benzo[b]fluoranthene	60		35	6.8	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Benzo[g,h,i]perylene	34	J	35	12	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Benzo[k]fluoranthene	22	J	35	8.3	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Chrysene	52		35	7.9	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Dibenz(a,h)anthracene	15	J	35	9.8	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Fluoranthene	79		35	14	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Fluorene	8.7	J	35	7.9	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Indeno[1,2,3-cd]pyrene	25	J	35	12	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Naphthalene	32	J	35	6.7	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Phenanthrene	230		35	15	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1
Pyrene	110		35	13	ug/Kg	☼	06/11/13 07:34	06/13/13 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*30 - 119*	*06/11/13 07:34*	*06/13/13 11:48*	*1*
Nitrobenzene-d5 (Surr)	*46*		*30 - 115*	*06/11/13 07:34*	*06/13/13 11:48*	*1*
Terphenyl-d14 (Surr)	*64*		*36 - 134*	*06/11/13 07:34*	*06/13/13 11:48*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<17		24	17	ug/Kg	☼	06/04/13 15:21	06/04/13 18:37	1
Ethylbenzene	18	J	24	18	ug/Kg	☼	06/04/13 15:21	06/04/13 18:37	1
Methyl tert-butyl ether	<11		24	11	ug/Kg	☼	06/04/13 15:21	06/04/13 18:37	1
Toluene	160		24	16	ug/Kg	☼	06/04/13 15:21	06/04/13 18:37	1
1,2,4-Trimethylbenzene	<14		24	14	ug/Kg	☼	06/04/13 15:21	06/04/13 18:37	1
1,3,5-Trimethylbenzene	47		24	14	ug/Kg	☼	06/04/13 15:21	06/04/13 18:37	1
Xylenes, Total	36	J	71	28	ug/Kg	☼	06/04/13 15:21	06/04/13 18:37	1
Wisconsin GRO	7700		4700	2400	ug/Kg	☼	06/04/13 15:21	06/04/13 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*109*		*80 - 120*	*06/04/13 15:21*	*06/04/13 18:37*	*1*
a,a,a-Trifluorotoluene	*113*		*80 - 120*	*06/04/13 15:21*	*06/04/13 18:37*	*1*

Client Sample ID: GP-13-2 (0-2)

Lab Sample ID: 500-57585-2

Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	70		37	19	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
2-Methylnaphthalene	94	J	190	49	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Acenaphthene	<11		37	11	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Acenaphthylene	<8.6		37	8.6	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Anthracene	<8.9		37	8.9	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1

Client Sample ID: GP-13-2 (0-2)

Lab Sample ID: 500-57585-2
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	59		37	7.9	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Benzo[a]pyrene	82		37	6.9	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Benzo[b]fluoranthene	160		37	7.3	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Benzo[g,h,i]perylene	160		37	13	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Benzo[k]fluoranthene	81		37	9.0	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Chrysene	86		37	8.5	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Dibenz(a,h)anthracene	55		37	11	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Fluoranthene	73		37	15	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Fluorene	<8.6		37	8.6	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Indeno[1,2,3-cd]pyrene	110		37	13	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Naphthalene	23	J	37	7.3	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Phenanthrene	49		37	16	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1
Pyrene	71		37	14	ug/Kg	☼	06/11/13 07:34	06/13/13 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*30 - 119*	*06/11/13 07:34*	*06/13/13 12:08*	*1*
Nitrobenzene-d5 (Surr)	*60*		*30 - 115*	*06/11/13 07:34*	*06/13/13 12:08*	*1*
Terphenyl-d14 (Surr)	*78*		*36 - 134*	*06/11/13 07:34*	*06/13/13 12:08*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<20		27	20	ug/Kg	☼	06/04/13 15:21	06/04/13 19:05	1
Ethylbenzene	<21		27	21	ug/Kg	☼	06/04/13 15:21	06/04/13 19:05	1
Methyl tert-butyl ether	<13		27	13	ug/Kg	☼	06/04/13 15:21	06/04/13 19:05	1
Toluene	<18		27	18	ug/Kg	☼	06/04/13 15:21	06/04/13 19:05	1
1,2,4-Trimethylbenzene	<16		27	16	ug/Kg	☼	06/04/13 15:21	06/04/13 19:05	1
1,3,5-Trimethylbenzene	<16		27	16	ug/Kg	☼	06/04/13 15:21	06/04/13 19:05	1
Xylenes, Total	<33		82	33	ug/Kg	☼	06/04/13 15:21	06/04/13 19:05	1
Wisconsin GRO	<2700		5400	2700	ug/Kg	☼	06/04/13 15:21	06/04/13 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*117*		*80 - 120*	*06/04/13 15:21*	*06/04/13 19:05*	*1*
a,a,a-Trifluorotoluene	*114*		*80 - 120*	*06/04/13 15:21*	*06/04/13 19:05*	*1*

Client Sample ID: GP-13-3 (2-4)

Lab Sample ID: 500-57585-3
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	130		37	18	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
2-Methylnaphthalene	110	J	190	48	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Acenaphthene	<11		37	11	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Acenaphthylene	<8.5		37	8.5	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Anthracene	29	J	37	8.7	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Benzo[a]anthracene	56		37	7.8	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Benzo[a]pyrene	46		37	6.8	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Benzo[b]fluoranthene	75		37	7.2	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Benzo[g,h,i]perylene	40		37	13	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Benzo[k]fluoranthene	24	J	37	8.9	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1

Client Sample ID: GP-13-3 (2-4)

Lab Sample ID: 500-57585-3
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	63		37	8.4	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Dibenz(a,h)anthracene	17	J	37	10	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Fluoranthene	96		37	15	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Fluorene	10	J	37	8.4	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Indeno[1,2,3-cd]pyrene	35	J	37	13	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Naphthalene	57		37	7.2	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Phenanthrene	320		37	16	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1
Pyrene	110		37	13	ug/Kg	☼	06/11/13 07:34	06/13/13 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*30 - 119*	*06/11/13 07:34*	*06/13/13 12:29*	*1*
Nitrobenzene-d5 (Surr)	*45*		*30 - 115*	*06/11/13 07:34*	*06/13/13 12:29*	*1*
Terphenyl-d14 (Surr)	*68*		*36 - 134*	*06/11/13 07:34*	*06/13/13 12:29*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	29		28	20	ug/Kg	☼	06/04/13 15:21	06/04/13 19:33	1
Ethylbenzene	99		28	21	ug/Kg	☼	06/04/13 15:21	06/04/13 19:33	1
Methyl tert-butyl ether	15	J	28	14	ug/Kg	☼	06/04/13 15:21	06/04/13 19:33	1
Toluene	190		28	19	ug/Kg	☼	06/04/13 15:21	06/04/13 19:33	1
1,2,4-Trimethylbenzene	73		28	17	ug/Kg	☼	06/04/13 15:21	06/04/13 19:33	1
1,3,5-Trimethylbenzene	55		28	17	ug/Kg	☼	06/04/13 15:21	06/04/13 19:33	1
Xylenes, Total	270		85	34	ug/Kg	☼	06/04/13 15:21	06/04/13 19:33	1
Wisconsin GRO	12000		5600	2800	ug/Kg	☼	06/04/13 15:21	06/04/13 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*111*		*80 - 120*	*06/04/13 15:21*	*06/04/13 19:33*	*1*
a,a,a-Trifluorotoluene	*116*		*80 - 120*	*06/04/13 15:21*	*06/04/13 19:33*	*1*

Client Sample ID: GP-13-4 (0-2)

Lab Sample ID: 500-57585-4
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	34	J	38	19	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
2-Methylnaphthalene	<49		190	49	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Acenaphthene	26	J	38	11	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Acenaphthylene	16	J	38	8.7	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Anthracene	180		38	8.9	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Benzo[a]anthracene	750		38	8.0	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Benzo[a]pyrene	710		38	6.9	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Benzo[b]fluoranthene	940		38	7.4	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Benzo[g,h,i]perylene	700		38	13	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Benzo[k]fluoranthene	300		38	9.0	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Chrysene	640		38	8.6	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Dibenz(a,h)anthracene	250		38	11	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Fluoranthene	1200		38	16	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Fluorene	22	J	38	8.6	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Indeno[1,2,3-cd]pyrene	560		38	13	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1

Client Sample ID: GP-13-4 (0-2)

Lab Sample ID: 500-57585-4
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	38		38	7.3	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Phenanthrene	650		38	16	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1
Pyrene	990		38	14	ug/Kg	☼	06/11/13 07:34	06/13/13 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*30 - 119*	*06/11/13 07:34*	*06/13/13 12:50*	*1*
Nitrobenzene-d5 (Surr)	*48*		*30 - 115*	*06/11/13 07:34*	*06/13/13 12:50*	*1*
Terphenyl-d14 (Surr)	*69*		*36 - 134*	*06/11/13 07:34*	*06/13/13 12:50*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<23		31	23	ug/Kg	☼	06/04/13 15:21	06/04/13 20:01	1
Ethylbenzene	<24		31	24	ug/Kg	☼	06/04/13 15:21	06/04/13 20:01	1
Methyl tert-butyl ether	<15		31	15	ug/Kg	☼	06/04/13 15:21	06/04/13 20:01	1
Toluene	<21		31	21	ug/Kg	☼	06/04/13 15:21	06/04/13 20:01	1
1,2,4-Trimethylbenzene	80		31	19	ug/Kg	☼	06/04/13 15:21	06/04/13 20:01	1
1,3,5-Trimethylbenzene	70		31	19	ug/Kg	☼	06/04/13 15:21	06/04/13 20:01	1
Xylenes, Total	57	J	94	38	ug/Kg	☼	06/04/13 15:21	06/04/13 20:01	1
Wisconsin GRO	47000		6300	3100	ug/Kg	☼	06/04/13 15:21	06/04/13 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*80 - 120*	*06/04/13 15:21*	*06/04/13 20:01*	*1*
a,a,a-Trifluorotoluene	*113*		*80 - 120*	*06/04/13 15:21*	*06/04/13 20:01*	*1*

Client Sample ID: GP-13-5 (2-4)

Lab Sample ID: 500-57585-5
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	380		38	19	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
2-Methylnaphthalene	290		190	50	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Acenaphthene	<11		38	11	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Acenaphthylene	<8.8		38	8.8	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Anthracene	<9.0		38	9.0	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Benzo[a]anthracene	1000		38	8.1	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Benzo[a]pyrene	1200		38	7.0	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Benzo[b]fluoranthene	2400		38	7.5	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Benzo[g,h,i]perylene	2200		38	13	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Benzo[k]fluoranthene	780		38	9.2	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Chrysene	1700		38	8.7	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Dibenz(a,h)anthracene	690		38	11	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Fluoranthene	910		38	16	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Fluorene	<8.7		38	8.7	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Indeno[1,2,3-cd]pyrene	1500		38	13	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Naphthalene	210		38	7.4	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Phenanthrene	200		38	16	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1
Pyrene	1100		38	14	ug/Kg	☼	06/11/13 07:34	06/13/13 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*30 - 119*	*06/11/13 07:34*	*06/13/13 13:11*	*1*

Client Sample ID: GP-13-5 (2-4)

Lab Sample ID: 500-57585-5
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	67		30 - 115	06/11/13 07:34	06/13/13 13:11	1
Terphenyl-d14 (Surr)	83		36 - 134	06/11/13 07:34	06/13/13 13:11	1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<20		28	20	ug/Kg	☼	06/04/13 15:21	06/04/13 20:29	1
Ethylbenzene	**50**		28	21	ug/Kg	☼	06/04/13 15:21	06/04/13 20:29	1
Methyl tert-butyl ether	<13		28	13	ug/Kg	☼	06/04/13 15:21	06/04/13 20:29	1
Toluene	<19		28	19	ug/Kg	☼	06/04/13 15:21	06/04/13 20:29	1
1,2,4-Trimethylbenzene	**110**		28	17	ug/Kg	☼	06/04/13 15:21	06/04/13 20:29	1
1,3,5-Trimethylbenzene	**63**		28	17	ug/Kg	☼	06/04/13 15:21	06/04/13 20:29	1
Xylenes, Total	**34**	**J**	84	34	ug/Kg	☼	06/04/13 15:21	06/04/13 20:29	1
Wisconsin GRO	**9500**		5600	2800	ug/Kg	☼	06/04/13 15:21	06/04/13 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	110		80 - 120	06/04/13 15:21	06/04/13 20:29	1
a,a,a-Trifluorotoluene	111		80 - 120	06/04/13 15:21	06/04/13 20:29	1

Client Sample ID: GP-13-6 (4-6)

Lab Sample ID: 500-57585-6
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**2600**		35	18	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
2-Methylnaphthalene	**2300**		180	46	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Acenaphthene	<11		35	11	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Acenaphthylene	<8.1		35	8.1	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Anthracene	<8.3		35	8.3	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Benzo[a]anthracene	**1200**		35	7.4	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Benzo[a]pyrene	**1300**		35	6.4	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Benzo[b]fluoranthene	**2200**		35	6.8	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Benzo[k]fluoranthene	**780**		35	8.4	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Chrysene	**1800**		35	8.0	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Dibenz(a,h)anthracene	**790**		35	9.8	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Fluoranthene	**1400**		35	14	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Fluorene	**660**		35	8.0	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Indeno[1,2,3-cd]pyrene	**1900**		35	12	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Naphthalene	**470**		35	6.8	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Phenanthrene	**2000**		35	15	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1
Pyrene	**1300**		35	13	ug/Kg	☼	06/11/13 07:34	06/13/13 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		30 - 119	06/11/13 07:34	06/13/13 13:32	1
Nitrobenzene-d5 (Surr)	118	X	30 - 115	06/11/13 07:34	06/13/13 13:32	1
Terphenyl-d14 (Surr)	94		36 - 134	06/11/13 07:34	06/13/13 13:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**2800**		180	59	ug/Kg	☼	06/11/13 07:34	06/13/13 19:31	5

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-6 (4-6)

Lab Sample ID: 500-57585-6
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 91.1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	64		29	21	ug/Kg	☼	06/04/13 15:21	06/04/13 20:57	1
Ethylbenzene	92		29	22	ug/Kg	☼	06/04/13 15:21	06/04/13 20:57	1
Methyl tert-butyl ether	<14		29	14	ug/Kg	☼	06/04/13 15:21	06/04/13 20:57	1
Toluene	66		29	19	ug/Kg	☼	06/04/13 15:21	06/04/13 20:57	1
1,2,4-Trimethylbenzene	380		29	17	ug/Kg	☼	06/04/13 15:21	06/04/13 20:57	1
1,3,5-Trimethylbenzene	620		29	17	ug/Kg	☼	06/04/13 15:21	06/04/13 20:57	1
Xylenes, Total	120		86	34	ug/Kg	☼	06/04/13 15:21	06/04/13 20:57	1
Wisconsin GRO	210000		5700	2900	ug/Kg	☼	06/04/13 15:21	06/04/13 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*102*		*80 - 120*	*06/04/13 15:21*	*06/04/13 20:57*	*1*
a,a,a-Trifluorotoluene	*109*		*80 - 120*	*06/04/13 15:21*	*06/04/13 20:57*	*1*

Client Sample ID: GP-13-9 (4-6)

Lab Sample ID: 500-57585-7
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<18		36	18	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
2-Methylnaphthalene	<47		180	47	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Acenaphthene	<11		36	11	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Acenaphthylene	<8.4		36	8.4	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Anthracene	<8.6		36	8.6	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Benzo[a]anthracene	<7.7		36	7.7	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Benzo[a]pyrene	<6.7		36	6.7	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Benzo[b]fluoranthene	<7.1		36	7.1	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Benzo[g,h,i]perylene	<12		36	12	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Benzo[k]fluoranthene	<8.7		36	8.7	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Chrysene	9.3	J	36	8.3	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Dibenz(a,h)anthracene	<10		36	10	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Fluoranthene	<15		36	15	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Fluorene	<8.3		36	8.3	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Indeno[1,2,3-cd]pyrene	<12		36	12	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Naphthalene	<7.0		36	7.0	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Phenanthrene	<15		36	15	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1
Pyrene	<13		36	13	ug/Kg	☼	06/11/13 07:34	06/13/13 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*30 - 119*	*06/11/13 07:34*	*06/13/13 13:53*	*1*
Nitrobenzene-d5 (Surr)	*52*		*30 - 115*	*06/11/13 07:34*	*06/13/13 13:53*	*1*
Terphenyl-d14 (Surr)	*67*		*36 - 134*	*06/11/13 07:34*	*06/13/13 13:53*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<14		19	14	ug/Kg	☼	06/04/13 15:21	06/04/13 21:25	1
Ethylbenzene	<14		19	14	ug/Kg	☼	06/04/13 15:21	06/04/13 21:25	1
Methyl tert-butyl ether	<9.1		19	9.1	ug/Kg	☼	06/04/13 15:21	06/04/13 21:25	1
Toluene	<13		19	13	ug/Kg	☼	06/04/13 15:21	06/04/13 21:25	1
1,2,4-Trimethylbenzene	<11		19	11	ug/Kg	☼	06/04/13 15:21	06/04/13 21:25	1

Client Sample ID: GP-13-9 (4-6)

Lab Sample ID: 500-57585-7
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 88.2

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<11		19	11	ug/Kg	☼	06/04/13 15:21	06/04/13 21:25	1
Xylenes, Total	<23		57	23	ug/Kg	☼	06/04/13 15:21	06/04/13 21:25	1
Wisconsin GRO	**11000**		3800	1900	ug/Kg	☼	06/04/13 15:21	06/04/13 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*114*		*80 - 120*	*06/04/13 15:21*	*06/04/13 21:25*	*1*
a,a,a-Trifluorotoluene	*118*		*80 - 120*	*06/04/13 15:21*	*06/04/13 21:25*	*1*

Client Sample ID: GP-13-10 (4-6)

Lab Sample ID: 500-57585-8
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**63**		36	18	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
2-Methylnaphthalene	<47		180	47	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Acenaphthene	**69**		36	11	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Acenaphthylene	<8.3		36	8.3	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Anthracene	**45**		36	8.5	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Benzo[a]anthracene	<7.6		36	7.6	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Benzo[a]pyrene	<6.6		36	6.6	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Benzo[b]fluoranthene	**12**	**J**	36	7.0	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Benzo[g,h,i]perylene	<12		36	12	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Benzo[k]fluoranthene	<8.6		36	8.6	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Chrysene	**16**	**J**	36	8.1	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Dibenz(a,h)anthracene	<10		36	10	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Fluoranthene	**15**	**J**	36	15	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Fluorene	**130**		36	8.2	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Indeno[1,2,3-cd]pyrene	<12		36	12	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Naphthalene	<7.0		36	7.0	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Phenanthrene	**150**		36	15	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1
Pyrene	**16**	**J**	36	13	ug/Kg	☼	06/11/13 07:34	06/13/13 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*30 - 119*	*06/11/13 07:34*	*06/13/13 14:13*	*1*
Nitrobenzene-d5 (Surr)	*59*		*30 - 115*	*06/11/13 07:34*	*06/13/13 14:13*	*1*
Terphenyl-d14 (Surr)	*77*		*36 - 134*	*06/11/13 07:34*	*06/13/13 14:13*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<17		23	17	ug/Kg	☼	06/04/13 15:21	06/04/13 23:44	1
Ethylbenzene	<18		23	18	ug/Kg	☼	06/04/13 15:21	06/04/13 23:44	1
Methyl tert-butyl ether	<11		23	11	ug/Kg	☼	06/04/13 15:21	06/04/13 23:44	1
Toluene	<16		23	16	ug/Kg	☼	06/04/13 15:21	06/04/13 23:44	1
1,2,4-Trimethylbenzene	<14		23	14	ug/Kg	☼	06/04/13 15:21	06/04/13 23:44	1
1,3,5-Trimethylbenzene	**26**		23	14	ug/Kg	☼	06/04/13 15:21	06/04/13 23:44	1
Xylenes, Total	<28		70	28	ug/Kg	☼	06/04/13 15:21	06/04/13 23:44	1
Wisconsin GRO	**5300**		4700	2300	ug/Kg	☼	06/04/13 15:21	06/04/13 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*112*		*80 - 120*	*06/04/13 15:21*	*06/04/13 23:44*	*1*

Client Sample ID: GP-13-10 (4-6)

Lab Sample ID: 500-57585-8
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 86.8

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	116		80 - 120	06/04/13 15:21	06/04/13 23:44	1

Client Sample ID: GP-13-7 (4-6)

Lab Sample ID: 500-57585-9
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<17		34	17	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
2-Methylnaphthalene	<45		170	45	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Acenaphthene	**19**	**J**	34	10	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Acenaphthylene	**8.8**	**J**	34	7.9	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Anthracene	**160**		34	8.1	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Benzo[a]anthracene	**750**		34	7.2	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Benzo[a]pyrene	**670**		34	6.3	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Benzo[b]fluoranthene	**900**		34	6.7	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Benzo[g,h,i]perylene	**560**		34	12	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Benzo[k]fluoranthene	**330**		34	8.2	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Chrysene	**620**		34	7.8	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Dibenz(a,h)anthracene	**210**		34	9.6	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Fluoranthene	**1300**		34	14	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Fluorene	**23**	**J**	34	7.8	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Indeno[1,2,3-cd]pyrene	**460**		34	12	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Naphthalene	**9.4**	**J**	34	6.6	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Phenanthrene	**480**		34	14	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1
Pyrene	**1100**		34	12	ug/Kg	☼	06/11/13 07:34	06/13/13 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	64		30 - 119	06/11/13 07:34	06/13/13 14:34	1
Nitrobenzene-d5 (Surr)	57		30 - 115	06/11/13 07:34	06/13/13 14:34	1
Terphenyl-d14 (Surr)	79		36 - 134	06/11/13 07:34	06/13/13 14:34	1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<16		23	16	ug/Kg	☼	06/04/13 15:21	06/05/13 00:12	1
Ethylbenzene	<17		23	17	ug/Kg	☼	06/04/13 15:21	06/05/13 00:12	1
Methyl tert-butyl ether	<11		23	11	ug/Kg	☼	06/04/13 15:21	06/05/13 00:12	1
Toluene	<15		23	15	ug/Kg	☼	06/04/13 15:21	06/05/13 00:12	1
1,2,4-Trimethylbenzene	<14		23	14	ug/Kg	☼	06/04/13 15:21	06/05/13 00:12	1
1,3,5-Trimethylbenzene	<14		23	14	ug/Kg	☼	06/04/13 15:21	06/05/13 00:12	1
Xylenes, Total	<27		68	27	ug/Kg	☼	06/04/13 15:21	06/05/13 00:12	1
Wisconsin GRO	<2300		4500	2300	ug/Kg	☼	06/04/13 15:21	06/05/13 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	109		80 - 120	06/04/13 15:21	06/05/13 00:12	1
a,a,a-Trifluorotoluene	112		80 - 120	06/04/13 15:21	06/05/13 00:12	1

Client Sample ID: GP-13-8 (2-4)

Lab Sample ID: 500-57585-10

Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<20		40	20	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
2-Methylnaphthalene	<52		200	52	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Acenaphthene	<12		40	12	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Acenaphthylene	<9.2		40	9.2	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Anthracene	**27**	**J**	40	9.4	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Benzo[a]anthracene	**220**		40	8.3	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Benzo[a]pyrene	**250**		40	7.3	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Benzo[b]fluoranthene	**330**		40	7.7	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Benzo[g,h,i]perylene	**230**		40	13	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Benzo[k]fluoranthene	**140**		40	9.5	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Chrysene	**200**		40	9.0	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Dibenz(a,h)anthracene	**82**		40	11	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Fluoranthene	**460**		40	16	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Fluorene	<9.1		40	9.1	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Indeno[1,2,3-cd]pyrene	**190**		40	13	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Naphthalene	<7.7		40	7.7	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Phenanthrene	**100**		40	17	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1
Pyrene	**400**		40	14	ug/Kg	☼	06/11/13 07:34	06/13/13 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*30 - 119*	*06/11/13 07:34*	*06/13/13 14:55*	*1*
Nitrobenzene-d5 (Surr)	*46*		*30 - 115*	*06/11/13 07:34*	*06/13/13 14:55*	*1*
Terphenyl-d14 (Surr)	*71*		*36 - 134*	*06/11/13 07:34*	*06/13/13 14:55*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<20		28	20	ug/Kg	☼	06/04/13 15:21	06/05/13 00:40	1
Ethylbenzene	<22		28	22	ug/Kg	☼	06/04/13 15:21	06/05/13 00:40	1
Methyl tert-butyl ether	<14		28	14	ug/Kg	☼	06/04/13 15:21	06/05/13 00:40	1
Toluene	<19		28	19	ug/Kg	☼	06/04/13 15:21	06/05/13 00:40	1
1,2,4-Trimethylbenzene	<17		28	17	ug/Kg	☼	06/04/13 15:21	06/05/13 00:40	1
1,3,5-Trimethylbenzene	<17		28	17	ug/Kg	☼	06/04/13 15:21	06/05/13 00:40	1
Xylenes, Total	<34		85	34	ug/Kg	☼	06/04/13 15:21	06/05/13 00:40	1
Wisconsin GRO	<2800		5700	2800	ug/Kg	☼	06/04/13 15:21	06/05/13 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*105*		*80 - 120*	*06/04/13 15:21*	*06/05/13 00:40*	*1*
a,a,a-Trifluorotoluene	*112*		*80 - 120*	*06/04/13 15:21*	*06/05/13 00:40*	*1*

Client Sample ID: GP-13-11 (2-4)

Lab Sample ID: 500-57585-11

Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**11000**		1900	500	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Acenaphthene	**3200**		380	110	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Acenaphthylene	**1500**		380	88	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Anthracene	<90		380	90	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Benzo[a]anthracene	**120**	**J**	380	80	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10

Client Sample ID: GP-13-11 (2-4)

Lab Sample ID: 500-57585-11
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	130	J	380	70	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Benzo[b]fluoranthene	200	J	380	74	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Benzo[g,h,i]perylene	170	J	380	130	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Benzo[k]fluoranthene	<91		380	91	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Chrysene	180	J	380	86	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Dibenz(a,h)anthracene	<110		380	110	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Fluoranthene	370	J	380	160	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Fluorene	6100		380	87	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Indeno[1,2,3-cd]pyrene	160	J	380	130	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Naphthalene	1600		380	74	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Phenanthrene	7900		380	160	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10
Pyrene	640		380	140	ug/Kg	☼	06/11/13 07:34	06/13/13 15:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*30 - 119*	*06/11/13 07:34*	*06/13/13 15:16*	*10*
Nitrobenzene-d5 (Surr)	*380*	*X*	*30 - 115*	*06/11/13 07:34*	*06/13/13 15:16*	*10*
Terphenyl-d14 (Surr)	*112*		*36 - 134*	*06/11/13 07:34*	*06/13/13 15:16*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	43000		1900	950	ug/Kg	☼	06/11/13 07:34	06/13/13 19:52	50

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	22	J	26	19	ug/Kg	☼	06/04/13 15:21	06/05/13 03:28	1
Ethylbenzene	35		26	20	ug/Kg	☼	06/04/13 15:21	06/05/13 03:28	1
Methyl tert-butyl ether	<13		26	13	ug/Kg	☼	06/04/13 15:21	06/05/13 03:28	1
Toluene	<18		26	18	ug/Kg	☼	06/04/13 15:21	06/05/13 03:28	1
1,2,4-Trimethylbenzene	1700		26	16	ug/Kg	☼	06/04/13 15:21	06/05/13 03:28	1
1,3,5-Trimethylbenzene	<16		26	16	ug/Kg	☼	06/04/13 15:21	06/05/13 03:28	1
Xylenes, Total	250		79	32	ug/Kg	☼	06/04/13 15:21	06/05/13 03:28	1
Wisconsin GRO	860000		53000	26000	ug/Kg	☼	06/04/13 15:21	06/05/13 03:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*120*		*80 - 120*	*06/04/13 15:21*	*06/05/13 03:00*	*10*
a,a,a-Trifluorotoluene	*102*		*80 - 120*	*06/04/13 15:21*	*06/05/13 03:28*	*1*

Client Sample ID: GP-13-12 (4-6)

Lab Sample ID: 500-57585-12
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	23	J	38	19	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
2-Methylnaphthalene	<49		190	49	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Acenaphthene	<11		38	11	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Acenaphthylene	<8.7		38	8.7	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Anthracene	39		38	8.9	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Benzo[a]anthracene	160		38	7.9	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Benzo[a]pyrene	170		38	6.9	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Benzo[b]fluoranthene	240		38	7.3	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1

Client Sample ID: GP-13-12 (4-6)

Lab Sample ID: 500-57585-12
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	160		38	13	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Benzo[k]fluoranthene	110		38	9.0	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Chrysene	160		38	8.5	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Dibenz(a,h)anthracene	54		38	11	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Fluoranthene	300		38	15	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Fluorene	12	J	38	8.6	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Indeno[1,2,3-cd]pyrene	140		38	13	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Naphthalene	21	J	38	7.3	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Phenanthrene	150		38	16	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1
Pyrene	270		38	14	ug/Kg	☼	06/11/13 07:34	06/13/13 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*30 - 119*	*06/11/13 07:34*	*06/13/13 15:37*	*1*
Nitrobenzene-d5 (Surr)	*42*		*30 - 115*	*06/11/13 07:34*	*06/13/13 15:37*	*1*
Terphenyl-d14 (Surr)	*66*		*36 - 134*	*06/11/13 07:34*	*06/13/13 15:37*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<16		22	16	ug/Kg	☼	06/04/13 15:21	06/05/13 01:08	1
Ethylbenzene	<17		22	17	ug/Kg	☼	06/04/13 15:21	06/05/13 01:08	1
Methyl tert-butyl ether	<11		22	11	ug/Kg	☼	06/04/13 15:21	06/05/13 01:08	1
Toluene	<15		22	15	ug/Kg	☼	06/04/13 15:21	06/05/13 01:08	1
1,2,4-Trimethylbenzene	<13		22	13	ug/Kg	☼	06/04/13 15:21	06/05/13 01:08	1
1,3,5-Trimethylbenzene	<13		22	13	ug/Kg	☼	06/04/13 15:21	06/05/13 01:08	1
Xylenes, Total	<27		67	27	ug/Kg	☼	06/04/13 15:21	06/05/13 01:08	1
Wisconsin GRO	<2200		4500	2200	ug/Kg	☼	06/04/13 15:21	06/05/13 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*104*		*80 - 120*	*06/04/13 15:21*	*06/05/13 01:08*	*1*
a,a,a-Trifluorotoluene	*115*		*80 - 120*	*06/04/13 15:21*	*06/05/13 01:08*	*1*

Client Sample ID: GP-13-13 (6-8)

Lab Sample ID: 500-57585-13
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<18		37	18	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
2-Methylnaphthalene	<48		190	48	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Acenaphthene	<11		37	11	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Acenaphthylene	<8.5		37	8.5	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Anthracene	<8.7		37	8.7	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Benzo[a]anthracene	<7.8		37	7.8	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Benzo[a]pyrene	<6.8		37	6.8	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Benzo[b]fluoranthene	<7.2		37	7.2	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Benzo[g,h,i]perylene	<12		37	12	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Benzo[k]fluoranthene	<8.8		37	8.8	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Chrysene	<8.4		37	8.4	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Dibenz(a,h)anthracene	<10		37	10	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Fluoranthene	<15		37	15	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1

Client Sample ID: GP-13-13 (6-8)

Lab Sample ID: 500-57585-13
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<8.4		37	8.4	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Indeno[1,2,3-cd]pyrene	<12		37	12	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Naphthalene	<7.1		37	7.1	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Phenanthrene	<16		37	16	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1
Pyrene	<13		37	13	ug/Kg	☼	06/11/13 07:34	06/13/13 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*30 - 119*	*06/11/13 07:34*	*06/13/13 15:58*	*1*
Nitrobenzene-d5 (Surr)	*51*		*30 - 115*	*06/11/13 07:34*	*06/13/13 15:58*	*1*
Terphenyl-d14 (Surr)	*74*		*36 - 134*	*06/11/13 07:34*	*06/13/13 15:58*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<15		21	15	ug/Kg	☼	06/04/13 15:21	06/05/13 01:36	1
Ethylbenzene	<16		21	16	ug/Kg	☼	06/04/13 15:21	06/05/13 01:36	1
Methyl tert-butyl ether	<10		21	10	ug/Kg	☼	06/04/13 15:21	06/05/13 01:36	1
Toluene	<14		21	14	ug/Kg	☼	06/04/13 15:21	06/05/13 01:36	1
1,2,4-Trimethylbenzene	<13		21	13	ug/Kg	☼	06/04/13 15:21	06/05/13 01:36	1
1,3,5-Trimethylbenzene	<13		21	13	ug/Kg	☼	06/04/13 15:21	06/05/13 01:36	1
Xylenes, Total	<26		64	26	ug/Kg	☼	06/04/13 15:21	06/05/13 01:36	1
Wisconsin GRO	<2100		4300	2100	ug/Kg	☼	06/04/13 15:21	06/05/13 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*108*		*80 - 120*	*06/04/13 15:21*	*06/05/13 01:36*	*1*
a,a,a-Trifluorotoluene	*115*		*80 - 120*	*06/04/13 15:21*	*06/05/13 01:36*	*1*

Client Sample ID: GP-13-14 (6-8)

Lab Sample ID: 500-57585-14
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<18		37	18	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
2-Methylnaphthalene	<48		190	48	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Acenaphthene	<11		37	11	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Acenaphthylene	<8.5		37	8.5	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Anthracene	<8.7		37	8.7	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Benzo[a]anthracene	<7.8		37	7.8	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Benzo[a]pyrene	**21**	**J**	37	6.7	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Benzo[b]fluoranthene	**16**	**J**	37	7.2	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Benzo[g,h,i]perylene	**17**	**J**	37	12	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Benzo[k]fluoranthene	**12**	**J**	37	8.8	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Chrysene	**16**	**J**	37	8.4	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Dibenz(a,h)anthracene	<10		37	10	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Fluoranthene	<15		37	15	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Fluorene	<8.4		37	8.4	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Indeno[1,2,3-cd]pyrene	**24**	**J**	37	12	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Naphthalene	<7.1		37	7.1	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Phenanthrene	**19**	**J**	37	15	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1
Pyrene	<13		37	13	ug/Kg	☼	06/09/13 23:17	06/10/13 19:04	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-14 (6-8)

Lab Sample ID: 500-57585-14
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*30 - 119*	*06/09/13 23:17*	*06/10/13 19:04*	*1*
Nitrobenzene-d5 (Surr)	*57*		*30 - 115*	*06/09/13 23:17*	*06/10/13 19:04*	*1*
Terphenyl-d14 (Surr)	*99*		*36 - 134*	*06/09/13 23:17*	*06/10/13 19:04*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<18		25	18	ug/Kg	☼	06/04/13 15:21	06/05/13 02:04	1
Ethylbenzene	<19		25	19	ug/Kg	☼	06/04/13 15:21	06/05/13 02:04	1
Methyl tert-butyl ether	<12		25	12	ug/Kg	☼	06/04/13 15:21	06/05/13 02:04	1
Toluene	<17		25	17	ug/Kg	☼	06/04/13 15:21	06/05/13 02:04	1
1,2,4-Trimethylbenzene	<15		25	15	ug/Kg	☼	06/04/13 15:21	06/05/13 02:04	1
1,3,5-Trimethylbenzene	**25**		25	15	ug/Kg	☼	06/04/13 15:21	06/05/13 02:04	1
Xylenes, Total	<30		76	30	ug/Kg	☼	06/04/13 15:21	06/05/13 02:04	1
Wisconsin GRO	**6600**		5100	2500	ug/Kg	☼	06/04/13 15:21	06/05/13 02:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*111*		*80 - 120*	*06/04/13 15:21*	*06/05/13 02:04*	*1*
a,a,a-Trifluorotoluene	*114*		*80 - 120*	*06/04/13 15:21*	*06/05/13 02:04*	*1*

Client Sample ID: GP-13-15 (4-6)

Lab Sample ID: 500-57585-15
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**61**		39	20	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
2-Methylnaphthalene	**60**	**J**	200	51	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Acenaphthene	<12		39	12	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Acenaphthylene	<9.0		39	9.0	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Anthracene	**25**	**J**	39	9.2	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Benzo[a]anthracene	<8.2		39	8.2	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Benzo[a]pyrene	<7.2		39	7.2	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Benzo[b]fluoranthene	<7.6		39	7.6	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Benzo[g,h,i]perylene	<13		39	13	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Benzo[k]fluoranthene	<9.4		39	9.4	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Chrysene	**13**	**J**	39	8.9	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Dibenz(a,h)anthracene	<11		39	11	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Fluoranthene	<16		39	16	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Fluorene	<8.9		39	8.9	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Indeno[1,2,3-cd]pyrene	<13		39	13	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Naphthalene	**18**	**J**	39	7.6	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Phenanthrene	**49**		39	16	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1
Pyrene	**47**		39	14	ug/Kg	☼	06/09/13 23:17	06/10/13 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*30 - 119*	*06/09/13 23:17*	*06/10/13 19:25*	*1*
Nitrobenzene-d5 (Surr)	*42*		*30 - 115*	*06/09/13 23:17*	*06/10/13 19:25*	*1*
Terphenyl-d14 (Surr)	*73*		*36 - 134*	*06/09/13 23:17*	*06/10/13 19:25*	*1*

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-15 (4-6)

Lab Sample ID: 500-57585-15

Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 82.0

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<19		27	19	ug/Kg	☼	06/04/13 15:21	06/05/13 02:32	1
Ethylbenzene	<20		27	20	ug/Kg	☼	06/04/13 15:21	06/05/13 02:32	1
Methyl tert-butyl ether	<13		27	13	ug/Kg	☼	06/04/13 15:21	06/05/13 02:32	1
Toluene	<18		27	18	ug/Kg	☼	06/04/13 15:21	06/05/13 02:32	1
1,2,4-Trimethylbenzene	**70**		27	16	ug/Kg	☼	06/04/13 15:21	06/05/13 02:32	1
1,3,5-Trimethylbenzene	**160**		27	16	ug/Kg	☼	06/04/13 15:21	06/05/13 02:32	1
Xylenes, Total	<32		80	32	ug/Kg	☼	06/04/13 15:21	06/05/13 02:32	1
Wisconsin GRO	**57000**		5400	2700	ug/Kg	☼	06/04/13 15:21	06/05/13 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*113*		*80 - 120*	*06/04/13 15:21*	*06/05/13 02:32*	*1*
a,a,a-Trifluorotoluene	*113*		*80 - 120*	*06/04/13 15:21*	*06/05/13 02:32*	*1*

Client Sample ID: MEOH Blank

Lab Sample ID: 500-57585-16

Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<18		25	18	ug/Kg		06/04/13 15:21	06/04/13 17:13	1
Ethylbenzene	<19		25	19	ug/Kg		06/04/13 15:21	06/04/13 17:13	1
Methyl tert-butyl ether	<12		25	12	ug/Kg		06/04/13 15:21	06/04/13 17:13	1
Toluene	<17		25	17	ug/Kg		06/04/13 15:21	06/04/13 17:13	1
1,2,4-Trimethylbenzene	<15		25	15	ug/Kg		06/04/13 15:21	06/04/13 17:13	1
1,3,5-Trimethylbenzene	<15		25	15	ug/Kg		06/04/13 15:21	06/04/13 17:13	1
Xylenes, Total	<30		75	30	ug/Kg		06/04/13 15:21	06/04/13 17:13	1
Wisconsin GRO	<2500		5000	2500	ug/Kg		06/04/13 15:21	06/04/13 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*110*		*80 - 120*	*06/04/13 15:21*	*06/04/13 17:13*	*1*
a,a,a-Trifluorotoluene	*119*		*80 - 120*	*06/04/13 15:21*	*06/04/13 17:13*	*1*

Qualifiers

GC/MS 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.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
X	Surrogate is outside control limits

GC 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

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, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
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)

GC/MS Semi VOA

Prep Batch: 189152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57585-14	GP-13-14 (6-8)	Total/NA	Solid	3541	
500-57585-15	GP-13-15 (4-6)	Total/NA	Solid	3541	
LCS 500-189152/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-189152/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 189173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57585-14	GP-13-14 (6-8)	Total/NA	Solid	8270D	189152
500-57585-15	GP-13-15 (4-6)	Total/NA	Solid	8270D	189152

Analysis Batch: 189178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-189152/2-A	Lab Control Sample	Total/NA	Solid	8270D	189152
MB 500-189152/1-A	Method Blank	Total/NA	Solid	8270D	189152

Prep Batch: 189301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57585-1	GP-13-1 (2-4)	Total/NA	Solid	3541	
500-57585-1 MS	GP-13-1 (2-4)	Total/NA	Solid	3541	
500-57585-1 MSD	GP-13-1 (2-4)	Total/NA	Solid	3541	
500-57585-2	GP-13-2 (0-2)	Total/NA	Solid	3541	
500-57585-3	GP-13-3 (2-4)	Total/NA	Solid	3541	
500-57585-4	GP-13-4 (0-2)	Total/NA	Solid	3541	
500-57585-5	GP-13-5 (2-4)	Total/NA	Solid	3541	
500-57585-6	GP-13-6 (4-6)	Total/NA	Solid	3541	
500-57585-6 - DL	GP-13-6 (4-6)	Total/NA	Solid	3541	
500-57585-7	GP-13-9 (4-6)	Total/NA	Solid	3541	
500-57585-8	GP-13-10 (4-6)	Total/NA	Solid	3541	
500-57585-9	GP-13-7 (4-6)	Total/NA	Solid	3541	
500-57585-10	GP-13-8 (2-4)	Total/NA	Solid	3541	
500-57585-11	GP-13-11 (2-4)	Total/NA	Solid	3541	
500-57585-11 - DL	GP-13-11 (2-4)	Total/NA	Solid	3541	
500-57585-12	GP-13-12 (4-6)	Total/NA	Solid	3541	
500-57585-13	GP-13-13 (6-8)	Total/NA	Solid	3541	
LCS 500-189301/2-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-189301/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 189610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-189301/1-A	Method Blank	Total/NA	Solid	8270D	189301

Analysis Batch: 189618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57585-1	GP-13-1 (2-4)	Total/NA	Solid	8270D	189301
500-57585-1 MS	GP-13-1 (2-4)	Total/NA	Solid	8270D	189301
500-57585-1 MSD	GP-13-1 (2-4)	Total/NA	Solid	8270D	189301
500-57585-2	GP-13-2 (0-2)	Total/NA	Solid	8270D	189301
500-57585-3	GP-13-3 (2-4)	Total/NA	Solid	8270D	189301
500-57585-4	GP-13-4 (0-2)	Total/NA	Solid	8270D	189301
500-57585-5	GP-13-5 (2-4)	Total/NA	Solid	8270D	189301
500-57585-6	GP-13-6 (4-6)	Total/NA	Solid	8270D	189301

GC/MS Semi VOA (Continued)

Analysis Batch: 189618 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57585-6 - DL	GP-13-6 (4-6)	Total/NA	Solid	8270D	189301
500-57585-7	GP-13-9 (4-6)	Total/NA	Solid	8270D	189301
500-57585-8	GP-13-10 (4-6)	Total/NA	Solid	8270D	189301
500-57585-9	GP-13-7 (4-6)	Total/NA	Solid	8270D	189301
500-57585-10	GP-13-8 (2-4)	Total/NA	Solid	8270D	189301
500-57585-11	GP-13-11 (2-4)	Total/NA	Solid	8270D	189301
500-57585-11 - DL	GP-13-11 (2-4)	Total/NA	Solid	8270D	189301
500-57585-12	GP-13-12 (4-6)	Total/NA	Solid	8270D	189301
500-57585-13	GP-13-13 (6-8)	Total/NA	Solid	8270D	189301

Analysis Batch: 189989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-189301/2-A	Lab Control Sample	Total/NA	Solid	8270D	189301

GC VOA

Analysis Batch: 83645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57585-1	GP-13-1 (2-4)	Total/NA	Solid	WDNR	83853
500-57585-2	GP-13-2 (0-2)	Total/NA	Solid	WDNR	83853
500-57585-3	GP-13-3 (2-4)	Total/NA	Solid	WDNR	83853
500-57585-4	GP-13-4 (0-2)	Total/NA	Solid	WDNR	83853
500-57585-5	GP-13-5 (2-4)	Total/NA	Solid	WDNR	83853
500-57585-6	GP-13-6 (4-6)	Total/NA	Solid	WDNR	83853
500-57585-7	GP-13-9 (4-6)	Total/NA	Solid	WDNR	83853
500-57585-8	GP-13-10 (4-6)	Total/NA	Solid	WDNR	83853
500-57585-9	GP-13-7 (4-6)	Total/NA	Solid	WDNR	83853
500-57585-10	GP-13-8 (2-4)	Total/NA	Solid	WDNR	83853
500-57585-11	GP-13-11 (2-4)	Total/NA	Solid	WDNR	83853
500-57585-11	GP-13-11 (2-4)	Total/NA	Solid	WDNR	83853
500-57585-12	GP-13-12 (4-6)	Total/NA	Solid	WDNR	83853
500-57585-13	GP-13-13 (6-8)	Total/NA	Solid	WDNR	83853
500-57585-14	GP-13-14 (6-8)	Total/NA	Solid	WDNR	83853
500-57585-15	GP-13-15 (4-6)	Total/NA	Solid	WDNR	83853
500-57585-16	MEOH Blank	Total/NA	Solid	WDNR	83853
LCS 490-83645/15	Lab Control Sample	Total/NA	Solid	WDNR	
LCSD 490-83645/44	Lab Control Sample Dup	Total/NA	Solid	WDNR	
MB 490-83645/18	Method Blank	Total/NA	Solid	WDNR	
MB 490-83645/32	Method Blank	Total/NA	Solid	WDNR	

Prep Batch: 83853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57585-1	GP-13-1 (2-4)	Total/NA	Solid	5035	
500-57585-2	GP-13-2 (0-2)	Total/NA	Solid	5035	
500-57585-3	GP-13-3 (2-4)	Total/NA	Solid	5035	
500-57585-4	GP-13-4 (0-2)	Total/NA	Solid	5035	
500-57585-5	GP-13-5 (2-4)	Total/NA	Solid	5035	
500-57585-6	GP-13-6 (4-6)	Total/NA	Solid	5035	
500-57585-7	GP-13-9 (4-6)	Total/NA	Solid	5035	
500-57585-8	GP-13-10 (4-6)	Total/NA	Solid	5035	

GC VOA (Continued)

Prep Batch: 83853 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57585-9	GP-13-7 (4-6)	Total/NA	Solid	5035	
500-57585-10	GP-13-8 (2-4)	Total/NA	Solid	5035	
500-57585-11	GP-13-11 (2-4)	Total/NA	Solid	5035	
500-57585-12	GP-13-12 (4-6)	Total/NA	Solid	5035	
500-57585-13	GP-13-13 (6-8)	Total/NA	Solid	5035	
500-57585-14	GP-13-14 (6-8)	Total/NA	Solid	5035	
500-57585-15	GP-13-15 (4-6)	Total/NA	Solid	5035	
500-57585-16	MEOH Blank	Total/NA	Solid	5035	

General Chemistry

Analysis Batch: 188238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57585-1	GP-13-1 (2-4)	Total/NA	Solid	Moisture	
500-57585-1 DU	GP-13-1 (2-4)	Total/NA	Solid	Moisture	
500-57585-2	GP-13-2 (0-2)	Total/NA	Solid	Moisture	
500-57585-3	GP-13-3 (2-4)	Total/NA	Solid	Moisture	
500-57585-4	GP-13-4 (0-2)	Total/NA	Solid	Moisture	
500-57585-5	GP-13-5 (2-4)	Total/NA	Solid	Moisture	
500-57585-6	GP-13-6 (4-6)	Total/NA	Solid	Moisture	
500-57585-7	GP-13-9 (4-6)	Total/NA	Solid	Moisture	
500-57585-8	GP-13-10 (4-6)	Total/NA	Solid	Moisture	
500-57585-9	GP-13-7 (4-6)	Total/NA	Solid	Moisture	
500-57585-10	GP-13-8 (2-4)	Total/NA	Solid	Moisture	
500-57585-11	GP-13-11 (2-4)	Total/NA	Solid	Moisture	
500-57585-12	GP-13-12 (4-6)	Total/NA	Solid	Moisture	
500-57585-13	GP-13-13 (6-8)	Total/NA	Solid	Moisture	
500-57585-14	GP-13-14 (6-8)	Total/NA	Solid	Moisture	
500-57585-15	GP-13-15 (4-6)	Total/NA	Solid	Moisture	

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(30-119)	(30-115)	(36-134)
500-57585-1	GP-13-1 (2-4)	57	46	64
500-57585-1 MS	GP-13-1 (2-4)	61	49	91
500-57585-1 MSD	GP-13-1 (2-4)	41	33	60
500-57585-2	GP-13-2 (0-2)	70	60	78
500-57585-3	GP-13-3 (2-4)	55	45	68
500-57585-4	GP-13-4 (0-2)	58	48	69
500-57585-5	GP-13-5 (2-4)	65	67	83
500-57585-6	GP-13-6 (4-6)	73	118 X	94
500-57585-6 - DL	GP-13-6 (4-6)	84	56	109
500-57585-7	GP-13-9 (4-6)	60	52	67
500-57585-8	GP-13-10 (4-6)	68	59	77
500-57585-9	GP-13-7 (4-6)	64	57	79
500-57585-10	GP-13-8 (2-4)	53	46	71
500-57585-11	GP-13-11 (2-4)	54	380 X	112
500-57585-11 - DL	GP-13-11 (2-4)	96	356 X	103
500-57585-12	GP-13-12 (4-6)	53	42	66
500-57585-13	GP-13-13 (6-8)	62	51	74
500-57585-14	GP-13-14 (6-8)	69	57	99
500-57585-15	GP-13-15 (4-6)	67	42	73
LCS 500-189152/2-A	Lab Control Sample	84	83	88
LCS 500-189301/2-A	Lab Control Sample	78	78	72
MB 500-189152/1-A	Method Blank	91	77	108
MB 500-189301/1-A	Method Blank	84	61	98

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TFT	TFT
Lab Sample ID	Client Sample ID	(80-120)	(80-120)
500-57585-1	GP-13-1 (2-4)	109	109
500-57585-2	GP-13-2 (0-2)	117	117
500-57585-3	GP-13-3 (2-4)	111	111
500-57585-4	GP-13-4 (0-2)	103	103
500-57585-5	GP-13-5 (2-4)	110	110
500-57585-6	GP-13-6 (4-6)	102	102
500-57585-7	GP-13-9 (4-6)	114	114
500-57585-8	GP-13-10 (4-6)	112	112
500-57585-9	GP-13-7 (4-6)	109	109
500-57585-10	GP-13-8 (2-4)	105	105
500-57585-11	GP-13-11 (2-4)	120	120
500-57585-11	GP-13-11 (2-4)	102	102
500-57585-12	GP-13-12 (4-6)	104	104
500-57585-13	GP-13-13 (6-8)	108	108

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TFT (80-120)	TFT (80-120)						
500-57585-14	GP-13-14 (6-8)	111	111						
500-57585-15	GP-13-15 (4-6)	113	113						
500-57585-16	MEOH Blank	110	110						
LCS 490-83645/15	Lab Control Sample	115	115						
LCSD 490-83645/44	Lab Control Sample Dup	113	113						
MB 490-83645/18	Method Blank	109	109						
MB 490-83645/32	Method Blank	108	108						

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

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

Lab Sample ID: MB 500-189152/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189178 — **Prep Batch: 189152**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<17		33	17	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
2-Methylnaphthalene	<43		170	43	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Acenaphthene	<9.9		33	9.9	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Acenaphthylene	<7.6		33	7.6	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Anthracene	<7.8		33	7.8	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Benzo[a]pyrene	<6.1		33	6.1	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Benzo[b]fluoranthene	<6.5		33	6.5	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Benzo[k]fluoranthene	<7.9		33	7.9	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Chrysene	<7.5		33	7.5	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Dibenz(a,h)anthracene	<9.3		33	9.3	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Fluoranthene	<14		33	14	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Fluorene	<7.6		33	7.6	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Indeno[1,2,3-cd]pyrene	<11		33	11	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Naphthalene	<6.4		33	6.4	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Phenanthrene	<14		33	14	ug/Kg		06/09/13 23:17	06/10/13 12:16	1
Pyrene	<12		33	12	ug/Kg		06/09/13 23:17	06/10/13 12:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*30 - 119*	*06/09/13 23:17*	*06/10/13 12:16*	*1*
Nitrobenzene-d5 (Surr)	*77*		*30 - 115*	*06/09/13 23:17*	*06/10/13 12:16*	*1*
Terphenyl-d14 (Surr)	*108*		*36 - 134*	*06/09/13 23:17*	*06/10/13 12:16*	*1*

Lab Sample ID: LCS 500-189152/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189178 — **Prep Batch: 189152**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	1670	1540		ug/Kg		92	51 - 110
Acenaphthene	1670	1580		ug/Kg		95	53 - 110
Acenaphthylene	1670	1220		ug/Kg		73	51 - 110
Anthracene	1670	1140		ug/Kg		68	52 - 110
Benzo[a]anthracene	1670	1230		ug/Kg		74	57 - 110
Benzo[a]pyrene	1670	1290		ug/Kg		77	56 - 110
Benzo[b]fluoranthene	1670	1260		ug/Kg		75	50 - 110
Benzo[g,h,i]perylene	1670	1440		ug/Kg		87	54 - 117
Benzo[k]fluoranthene	1670	1210		ug/Kg		73	43 - 121
Chrysene	1670	1140		ug/Kg		68	54 - 110
Dibenz(a,h)anthracene	1670	1470		ug/Kg		88	52 - 118
Fluoranthene	1670	1130		ug/Kg		68	55 - 113
Fluorene	1670	1330		ug/Kg		80	52 - 112
Indeno[1,2,3-cd]pyrene	1670	1440		ug/Kg		86	53 - 116
Naphthalene	1670	1070		ug/Kg		64	48 - 110
Phenanthrene	1670	1500		ug/Kg		90	51 - 116
Pyrene	1670	1690		ug/Kg		101	50 - 112

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

Lab Sample ID: LCS 500-189152/2-A
Matrix: Solid
Analysis Batch: 189178

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 189152

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*30 - 119*
Nitrobenzene-d5 (Surr)	*83*		*30 - 115*
Terphenyl-d14 (Surr)	*88*		*36 - 134*

Lab Sample ID: MB 500-189301/1-A
Matrix: Solid
Analysis Batch: 189610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 189301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<17		33	17	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
2-Methylnaphthalene	<43		170	43	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Acenaphthene	<9.9		33	9.9	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Acenaphthylene	<7.6		33	7.6	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Anthracene	<7.8		33	7.8	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Benzo[a]anthracene	<7.0		33	7.0	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Benzo[a]pyrene	<6.1		33	6.1	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Benzo[b]fluoranthene	<6.5		33	6.5	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Benzo[k]fluoranthene	<7.9		33	7.9	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Chrysene	<7.5		33	7.5	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Dibenz(a,h)anthracene	<9.3		33	9.3	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Fluoranthene	<14		33	14	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Fluorene	<7.6		33	7.6	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Indeno[1,2,3-cd]pyrene	<11		33	11	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Naphthalene	<6.4		33	6.4	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Phenanthrene	<14		33	14	ug/Kg		06/11/13 07:34	06/13/13 14:55	1
Pyrene	<12		33	12	ug/Kg		06/11/13 07:34	06/13/13 14:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*30 - 119*	*06/11/13 07:34*	*06/13/13 14:55*	*1*
Nitrobenzene-d5 (Surr)	*61*		*30 - 115*	*06/11/13 07:34*	*06/13/13 14:55*	*1*
Terphenyl-d14 (Surr)	*98*		*36 - 134*	*06/11/13 07:34*	*06/13/13 14:55*	*1*

Lab Sample ID: LCS 500-189301/2-A
Matrix: Solid
Analysis Batch: 189989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 189301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	1670	1400		ug/Kg		84	51 - 110
Acenaphthene	1670	1480		ug/Kg		89	53 - 110
Acenaphthylene	1670	1500		ug/Kg		90	51 - 110
Anthracene	1670	1400		ug/Kg		84	52 - 110
Benzo[a]anthracene	1670	1470		ug/Kg		88	57 - 110
Benzo[a]pyrene	1670	1550		ug/Kg		93	56 - 110
Benzo[b]fluoranthene	1670	1620		ug/Kg		97	50 - 110
Benzo[g,h,i]perylene	1670	1730		ug/Kg		104	54 - 117
Benzo[k]fluoranthene	1670	1400		ug/Kg		84	43 - 121
Chrysene	1670	1680		ug/Kg		101	54 - 110

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

Lab Sample ID: LCS 500-189301/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189989 — **Prep Batch: 189301**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	1670	1610		ug/Kg		97	52 - 118
Fluoranthene	1670	1440		ug/Kg		86	55 - 113
Fluorene	1670	1530		ug/Kg		92	52 - 112
Indeno[1,2,3-cd]pyrene	1670	1620		ug/Kg		97	53 - 116
Naphthalene	1670	1420		ug/Kg		85	48 - 110
Phenanthrene	1670	1650		ug/Kg		99	51 - 116
Pyrene	1670	1350		ug/Kg		81	50 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*30 - 119*
Nitrobenzene-d5 (Surr)	*78*		*30 - 115*
Terphenyl-d14 (Surr)	*72*		*36 - 134*

Lab Sample ID: 500-57585-1 MS — **Client Sample ID: GP-13-1 (2-4)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189618 — **Prep Batch: 189301**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	65	J	1800	1070		ug/Kg	☼	56	51 - 110
Acenaphthene	12	J	1800	971		ug/Kg	☼	53	53 - 110
Acenaphthylene	<8.0		1800	976		ug/Kg	☼	54	51 - 110
Anthracene	37		1800	1130		ug/Kg	☼	61	52 - 110
Benzo[a]anthracene	52		1800	1190		ug/Kg	☼	64	57 - 110
Benzo[a]pyrene	47		1800	1060		ug/Kg	☼	56	56 - 110
Benzo[b]fluoranthene	60		1800	1060		ug/Kg	☼	56	50 - 110
Benzo[g,h,i]perylene	34	J	1800	1430		ug/Kg	☼	78	54 - 117
Benzo[k]fluoranthene	22	J	1800	1050		ug/Kg	☼	57	43 - 121
Chrysene	52		1800	1090		ug/Kg	☼	58	54 - 110
Dibenz(a,h)anthracene	15	J	1800	1280		ug/Kg	☼	70	52 - 118
Fluoranthene	79		1800	1110		ug/Kg	☼	57	55 - 113
Fluorene	8.7	J	1800	1020		ug/Kg	☼	56	52 - 112
Indeno[1,2,3-cd]pyrene	25	J	1800	1270		ug/Kg	☼	69	53 - 116
Naphthalene	32	J	1800	920		ug/Kg	☼	49	48 - 110
Phenanthrene	230		1800	1400		ug/Kg	☼	65	51 - 116
Pyrene	110		1800	1570		ug/Kg	☼	81	50 - 112

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*61*		*30 - 119*
Nitrobenzene-d5 (Surr)	*49*		*30 - 115*
Terphenyl-d14 (Surr)	*91*		*36 - 134*

Lab Sample ID: 500-57585-1 MSD — **Client Sample ID: GP-13-1 (2-4)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189618 — **Prep Batch: 189301**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	65	J	1790	739	F	ug/Kg	☼	38	51 - 110	37	30
Acenaphthene	12	J	1790	664	F	ug/Kg	☼	36	53 - 110	38	30

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

Lab Sample ID: 500-57585-1 MSD — **Client Sample ID: GP-13-1 (2-4)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189618 — **Prep Batch: 189301**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	<8.0		1790	670	F	ug/Kg	☼	37	51 - 110	37	30
Anthracene	37		1790	779	F	ug/Kg	☼	41	52 - 110	37	30
Benzo[a]anthracene	52		1790	766	F	ug/Kg	☼	40	57 - 110	44	30
Benzo[a]pyrene	47		1790	747	F	ug/Kg	☼	39	56 - 110	35	30
Benzo[b]fluoranthene	60		1790	757	F	ug/Kg	☼	39	50 - 110	33	30
Benzo[g,h,i]perylene	34	J	1790	820	F	ug/Kg	☼	44	54 - 117	54	30
Benzo[k]fluoranthene	22	J	1790	819		ug/Kg	☼	44	43 - 121	25	30
Chrysene	52		1790	716	F	ug/Kg	☼	37	54 - 110	41	30
Dibenz(a,h)anthracene	15	J	1790	760	F	ug/Kg	☼	42	52 - 118	51	30
Fluoranthene	79		1790	798	F	ug/Kg	☼	40	55 - 113	32	30
Fluorene	8.7	J	1790	716	F	ug/Kg	☼	39	52 - 112	35	30
Indeno[1,2,3-cd]pyrene	25	J	1790	768	F	ug/Kg	☼	41	53 - 116	49	30
Naphthalene	32	J	1790	607	F	ug/Kg	☼	32	48 - 110	41	30
Phenanthrene	230		1790	909	F	ug/Kg	☼	38	51 - 116	43	30
Pyrene	110		1790	1060	F	ug/Kg	☼	53	50 - 112	39	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*41*		*30 - 119*
Nitrobenzene-d5 (Surr)	*33*		*30 - 115*
Terphenyl-d14 (Surr)	*60*		*36 - 134*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Lab Sample ID: MB 490-83645/18 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 83645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<18		25	18	ug/Kg			06/04/13 16:27	1
Ethylbenzene	<19		25	19	ug/Kg			06/04/13 16:27	1
Methyl tert-butyl ether	<12		25	12	ug/Kg			06/04/13 16:27	1
Toluene	<17		25	17	ug/Kg			06/04/13 16:27	1
1,2,4-Trimethylbenzene	<15		25	15	ug/Kg			06/04/13 16:27	1
1,3,5-Trimethylbenzene	<15		25	15	ug/Kg			06/04/13 16:27	1
Xylenes, Total	<30		75	30	ug/Kg			06/04/13 16:27	1
Wisconsin GRO	<2500		5000	2500	ug/Kg			06/04/13 16:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*109*		*80 - 120*		*06/04/13 16:27*	*1*
a,a,a-Trifluorotoluene	*110*		*80 - 120*		*06/04/13 16:27*	*1*

Lab Sample ID: MB 490-83645/32 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 83645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<18		25	18	ug/Kg			06/04/13 23:16	1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: MB 490-83645/32
Matrix: Solid
Analysis Batch: 83645

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<19		25	19	ug/Kg			06/04/13 23:16	1
Methyl tert-butyl ether	<12		25	12	ug/Kg			06/04/13 23:16	1
Toluene	<17		25	17	ug/Kg			06/04/13 23:16	1
1,2,4-Trimethylbenzene	<15		25	15	ug/Kg			06/04/13 23:16	1
1,3,5-Trimethylbenzene	<15		25	15	ug/Kg			06/04/13 23:16	1
Xylenes, Total	<30		75	30	ug/Kg			06/04/13 23:16	1
Wisconsin GRO	<2500		5000	2500	ug/Kg			06/04/13 23:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*108*		*80 - 120*		*06/04/13 23:16*	*1*
a,a,a-Trifluorotoluene	*114*		*80 - 120*		*06/04/13 23:16*	*1*

Lab Sample ID: LCS 490-83645/15
Matrix: Solid
Analysis Batch: 83645

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	5000	5520		ug/Kg		110	76 - 120
Ethylbenzene	5000	5430		ug/Kg		109	77 - 120
Methyl tert-butyl ether	5000	5430		ug/Kg		109	73 - 120
Toluene	5000	5380		ug/Kg		108	79 - 120
1,2,4-Trimethylbenzene	5000	5160		ug/Kg		103	60 - 140
1,3,5-Trimethylbenzene	5000	5320		ug/Kg		106	74 - 133
Wisconsin GRO	50000	55400		ug/Kg		111	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*115*		*80 - 120*
a,a,a-Trifluorotoluene	*128*	*X*	*80 - 120*

Lab Sample ID: LCSD 490-83645/44
Matrix: Solid
Analysis Batch: 83645

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	5000	5510		ug/Kg		110	76 - 120	0	27
Ethylbenzene	5000	5390		ug/Kg		108	77 - 120	1	49
Methyl tert-butyl ether	5000	5330		ug/Kg		107	73 - 120	2	31
Toluene	5000	5370		ug/Kg		107	79 - 120	0	37
1,2,4-Trimethylbenzene	5000	4980		ug/Kg		100	60 - 140	3	50
1,3,5-Trimethylbenzene	5000	5150		ug/Kg		103	74 - 133	3	42
Wisconsin GRO	50000	58400		ug/Kg		117	80 - 120	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*113*		*80 - 120*
a,a,a-Trifluorotoluene	*129*	*X*	*80 - 120*

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-1 (2-4)

Lab Sample ID: 500-57585-1
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 11:48	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 18:37	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 18:37	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-2 (0-2)

Lab Sample ID: 500-57585-2
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 12:08	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 19:05	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 19:05	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-3 (2-4)

Lab Sample ID: 500-57585-3
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 12:29	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 19:33	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 19:33	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-4 (0-2)

Lab Sample ID: 500-57585-4
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 12:50	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 20:01	BH	TAL NSH

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-4 (0-2)

Lab Sample ID: 500-57585-4
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 20:01	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-5 (2-4)

Lab Sample ID: 500-57585-5
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 13:11	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 20:29	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 20:29	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-6 (4-6)

Lab Sample ID: 500-57585-6
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 13:32	GES	TAL CHI
Total/NA	Prep	3541	DL		189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D	DL	5	189618	06/13/13 19:31	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 20:57	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 20:57	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-9 (4-6)

Lab Sample ID: 500-57585-7
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 13:53	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 21:25	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 21:25	BH	TAL NSH

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-9 (4-6)

Lab Sample ID: 500-57585-7
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-10 (4-6)

Lab Sample ID: 500-57585-8
Date Collected: 05/29/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 14:13	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 23:44	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 23:44	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-7 (4-6)

Lab Sample ID: 500-57585-9
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 14:34	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 00:12	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 00:12	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-8 (2-4)

Lab Sample ID: 500-57585-10
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 14:55	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 00:40	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 00:40	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-11 (2-4)

Lab Sample ID: 500-57585-11
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		10	189618	06/13/13 15:16	GES	TAL CHI
Total/NA	Prep	3541	DL		189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D	DL	50	189618	06/13/13 19:52	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		10	83645	06/05/13 03:00	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 03:28	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-12 (4-6)

Lab Sample ID: 500-57585-12
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 15:37	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 01:08	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 01:08	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-13 (6-8)

Lab Sample ID: 500-57585-13
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189301	06/11/13 07:34	STW	TAL CHI
Total/NA	Analysis	8270D		1	189618	06/13/13 15:58	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 01:36	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 01:36	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-14 (6-8)

Lab Sample ID: 500-57585-14
Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189152	06/09/13 23:17	DEA	TAL CHI
Total/NA	Analysis	8270D		1	189173	06/10/13 19:04	GES	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Client Sample ID: GP-13-14 (6-8)

Lab Sample ID: 500-57585-14

Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 02:04	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 02:04	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: GP-13-15 (4-6)

Lab Sample ID: 500-57585-15

Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			189152	06/09/13 23:17	DEA	TAL CHI
Total/NA	Analysis	8270D		1	189173	06/10/13 19:25	GES	TAL CHI
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 02:32	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/05/13 02:32	BH	TAL NSH
Total/NA	Analysis	Moisture		1	188238	06/01/13 14:50	CMV	TAL CHI

Client Sample ID: MEOH Blank

Lab Sample ID: 500-57585-16

Date Collected: 05/30/13 00:00
Matrix: Solid
Date Received: 06/01/13 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 17:13	BH	TAL NSH
Total/NA	Prep	5035			83853	06/04/13 15:21	BH	TAL NSH
Total/NA	Analysis	WDNR		1	83645	06/04/13 17:13	BH	TAL NSH

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57585-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	06-30-13 *
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	06-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	07-15-13

Laboratory: TestAmerica Nashville

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

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-14
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13 *
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13

* Expired certification is currently pending renewal and is considered valid.

Laboratory: TestAmerica Nashville (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	02-28-14
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-14
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

TestAmerica

THE LEADER IN ENVIRONMEI

2417 Bond Street, University Park
Phone: 708.534.5200 Fax: 7(

500-57585 COC

(optional)
Report To
Contact: Ken Yuss / Andrew Aester
Company: TRC
Address: 150 N Patrick Blvd
Address: Ste 180, Brookfield WI
Phone: 262-901-2145
Fax:
E-Mail: kyuss@trcsolutions.com

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-57585
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 1.9

Client: TRC
Client Project #: ~~T905441~~ 6/1/13 202083
Project Name: WisDOT - Biffert
Project Location/State: WI
Lab Project #:
Sampler: OH
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	PVOC	PAH	% Moisture							Comments
Preservative								8	8							
Parameter							PVOC	PAH	% Moisture							
1		6P-13-1 (2-4)	5-29-13	—	3	S	X	X	X							
2		6P-13-2 (0-2)		—			X	X	X							
3		6P-13-3 (2-4)		—			X	X	X							
4		6P-13-4 (0-2)		—			X	X	X							
5		6P-13-5 (2-4)		—			X	X	X							
6		6P-13-6 (4-6)		—			X	X	X							
7		6P-13-9 (4-6)		—			X	X	X							
8		6P-13-10 (4-6)		—			X	X	X							
9		6P-13-7 (4-6)	5-30-13	—			X	X	X							
10		6P-13-8 (2-4)	5-30-13	—			X	X	X							

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	TRC	5-31-13	1600	[signature]	TA	6/1/13	0920

Lab Courier
Shipped: FX
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-57585

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler:

(optional)

Report To
Contact: Ken Yass / Andrew Hecker
Company: TRC
Address: 150 N. Patrick Blvd
Address: Ste 180 Brookfield WI
Phone: 262-901-2145
Fax:
E-Mail: Kyass@TRCsolutions.com

(optional)

Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: TRC
Client Project #: 202083 ~~140544~~ 6/1/13
Project Name: WisDOT - Bliffert
Project Location/State: WI
Lab Project #:
Sampler: DH
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	PVOC	PAH	% Moisture							Comments
Preservative								8	8							
11		GP-13-11 (2-4)	5-30-13	—	3	S	X	X	X							
12		GP-13-12 (4-6)	↓	—	↓	↓	X	X	X							
13		GP-13-13 (6-8)	↓	—	↓	↓	X	X	X							
14		GP-13-14 (6-8)	↓	—	↓	↓	X	X	X							
15		GP-13-15 (4-6)	↓	—	↓	↓	X	X	X							
16		MEOH Blank	↓	—	↓	↓	X									

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	TRC	5-31-13	1600	[signature]	TA	6/1/13	0920

Lab Courier
Shipped FX
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

500-57585 Chain of Custody

Cooler Received/Opened On 6/4/13 @ 0815

1. Tracking # 2087 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 1.4 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: one front & Back

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

1-116 A

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA Soil

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) D

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) D

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) D

I certify that I attached a label with the unique LIMS number to each container (intial) D

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

6/2d/2013

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-35386.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc				Job #: 500-57585-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 6/10/2013			
City: Nashville	TAT Requested (days):			
State, Zip: TN, 37204				
Phone: 615-726-0177(Tel) 615-726-0954(Fax)	PO #:			
Email:	WO #:			
Project Name: WISDOT	Project #: 50006705			
Site:	SSOW#:			

Analysis Requested

Loc: 500
57585

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	WI_GRO/5035FM_Calc PVOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GP-13-1 (2-4) (500-57585-1)	5/29/13	Central		Solid			X	1	Minus Nap
GP-13-2 (0-2) (500-57585-2)	5/29/13	Central		Solid			X	1	Minus Nap
GP-13-3 (2-4) (500-57585-3)	5/29/13	Central		Solid			X	1	Minus Nap
GP-13-4 (0-2) (500-57585-4)	5/29/13	Central		Solid			X	1	Minus Nap
GP-13-5 (2-4) (500-57585-5)	5/29/13	Central		Solid			X	1	Minus Nap
GP-13-6 (4-6) (500-57585-6)	5/29/13	Central		Solid			X	1	Minus Nap
GP-13-9 (4-6) (500-57585-7)	5/29/13	Central		Solid			X	1	Minus Nap
GP-13-10 (4-6) (500-57585-8)	5/29/13	Central		Solid			X	1	Minus Nap
GP-13-7 (4-6) (500-57585-9)	5/30/13	Central		Solid			X	1	Minus Nap
GP-13-8 (2-4) (500-57585-10)	5/30/13	Central		Solid			X	1	Minus Nap
GP-13-11 (2-4) (500-57585-11)	5/30/13	Central		Solid			X	1	Minus Nap

Possible Hazard Identification
Unconfirmed

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Rhem Scott	Date/Time: 6/3/13 1500	Company: TA-CHI	Received by:	Date/Time: 6/4/13 0815	Company: TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

6/20/2013

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-35386.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc				Job #: 500-57585-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 6/10/2013			
City: Nashville	TAT Requested (days):			
State, Zip: TN, 37204				
Phone: 615-726-0177(Tel) 615-726-0954(Fax)	PO #:			
Email:	WO #:			
Project Name: WISDOT	Project #: 50006705			
Site:	SSOW#:			

Analysis Requested

Loc: 500
57585

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	WI_GRO/5035FM_Calc PVOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GP-13-12 (4-6) (500-57585-12)	5/30/13	Central		Solid			X	1	Minus Nap
GP-13-13 (6-8) (500-57585-13)	5/30/13	Central		Solid			X	1	Minus Nap
GP-13-14 (6-8) (500-57585-14)	5/30/13	Central		Solid			X	1	Minus Nap
GP-13-15 (4-6) (500-57585-15)	5/30/13	Central		Solid			X	1	Minus Nap
MEOH Blank (500-57585-16)	5/30/13	Central		Solid			X	1	Minus Nap

Possible Hazard Identification
Unconfirmed

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Sherri Scott	6/3/13 1500	TA-CHI	[illegible]	6/4/13 0815	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-57585-1

Login Number: 57585

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	1.9
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-57585-1

Login Number: 57585
List Number: 1
Creator: Buckingham, Paul

List Source: TestAmerica Nashville
List Creation: 06/04/13 01:56 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-57621-1
Client Project/Site: WISDOT - Bliffert - 202083.0000.0000

For:
TRC Environmental Corporation.
150 N. Patrick Blvd.
Suite 180
Brookfield, Wisconsin 53045

Attn: Ken Yass

Authorized for release by:
6/18/2013 4:35:28 PM

Sandie Fredrick, Project Manager I
sandie.fredrick@testamericainc.com

LINKS

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

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

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

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Job ID: 500-57621-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-57621-1

Comments
No additional comments.

Receipt
The samples were received on 6/4/2013 10:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: 500-57621-8 DL had 2-Fluorobiphenyl at 138% (41%-132%) and 500-57621-9 DL had Terphenyl-d14 at 157% (59% -150%). All other surrogate recoveries were within limits. No further action was required.GP-13-10 (500-57621-8), GP-13-11 (500-57621-9)

Method(s) 8270D: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 188536 recovered outside control limits for Benzo[b]fluoranthene at 30% (20%). The % recoveries were within limits. No further action was required.GP-13-1 (500-57621-1), GP-13-10 (500-57621-8), GP-13-11 (500-57621-9), GP-13-13 (500-57621-10), GP-13-14 (500-57621-11), GP-13-2 (500-57621-2), GP-13-3 (500-57621-3), GP-13-5 (500-57621-4), GP-13-6 (500-57621-5), GP-13-8 (500-57621-6), GP-13-9 (500-57621-7), MW-2R (500-57621-12), MW-4 (500-57621-13)

No other analytical or quality issues were noted.

GC VOA
Method(s) WI-GRO: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 84603 recovered outside control limits for the following analyte: 1,3,5-Trimethylbenzene

Method(s) WI-GRO: The method blank for preparation batch 84603 contained 124-Trimethylbenzene above the reporting limit (RL). The associated sample(s) contained detects for this analyte at concentrations greater than 10X the value found in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed. GP-13-11 (500-57621-9)

Method(s) WI-GRO: The method blank for batch 84603 contained Xylenes 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) WI-GRO: The method blank for preparation batch 84603 contained Toluene and 124-Trimethylbenzene above the reporting limit (RL). The samples associated with this method blank were reanalyzed for positive detects or reported if they did not contain the target compound . GP-13-1 (500-57621-1), GP-13-10 (500-57621-8), GP-13-2 (500-57621-2), GP-13-3 (500-57621-3), GP-13-5 (500-57621-4), GP-13-6 (500-57621-5), GP-13-8 (500-57621-6), GP-13-9 (500-57621-7), Trip Blank (500-57621-14)

Method(s) WI-GRO: Surrogate recovery for the LCS/LCSD associated with Batch 85413 was outside control limits. Individual analyte recoveries, however, meet method requirements for data integrity. Therefore, samples associated with this LCS/LCSD were not repeated.

Method(s) WI-GRO: Surrogate recovery for the following sample(s) was outside the upper control limit: (MB 490-85413/7), GP-13-1 (500-57621-1), GP-13-2 (500-57621-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) WI-GRO: Surrogate recovery for the LCS/LCSD associated with Batch 85721 was outside control limits. Individual analyte recoveries, however, meet method requirements for data integrity. Therefore, samples associated with this LCS/LCSD were not repeated.

No other analytical or quality issues were noted.

GC Semi VOA

Job ID: 500-57621-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

Method(s) WI-DRO: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: GP-13-9/10 Composite (500-57621-15).

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Client Sample ID: GP-13-1 — Lab Sample ID: 500-57621-1

No Detections.

Client Sample ID: GP-13-2 — Lab Sample ID: 500-57621-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	4.4		1.5	0.75	ug/L	1		8270D	Total/NA
Acenaphthene	2.3		1.5	0.19	ug/L	1		8270D	Total/NA
Fluorene	1.3	J	1.5	0.25	ug/L	1		8270D	Total/NA
Methyl tert-butyl ether	0.59		0.50	0.24	ug/L	1		WDNR	Total/NA
1,2,4-Trimethylbenzene	0.40	J	0.50	0.30	ug/L	1		WDNR	Total/NA
1,3,5-Trimethylbenzene	0.90	*	0.50	0.30	ug/L	1		WDNR	Total/NA

Client Sample ID: GP-13-3 — Lab Sample ID: 500-57621-3

No Detections.

Client Sample ID: GP-13-5 — Lab Sample ID: 500-57621-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	36		1.5	0.77	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	8.1		0.77	0.13	ug/L	1		8270D	Total/NA
Acenaphthene	4.1		1.5	0.19	ug/L	1		8270D	Total/NA
Fluorene	2.4		1.5	0.26	ug/L	1		8270D	Total/NA
Phenanthrene	3.0		1.5	0.32	ug/L	1		8270D	Total/NA
Benzene	0.46	J	0.50	0.36	ug/L	1		WDNR	Total/NA
Methyl tert-butyl ether	0.37	J	0.50	0.24	ug/L	1		WDNR	Total/NA
1,2,4-Trimethylbenzene	0.62		0.50	0.30	ug/L	1		WDNR	Total/NA
Xylenes, Total	0.64	J	1.5	0.58	ug/L	1		WDNR	Total/NA

Client Sample ID: GP-13-6 — Lab Sample ID: 500-57621-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	56		0.77	0.13	ug/L	1		8270D	Total/NA
Acenaphthene	9.1		1.5	0.19	ug/L	1		8270D	Total/NA
Acenaphthylene	1.3	J	1.5	0.21	ug/L	1		8270D	Total/NA
Anthracene	1.3	J	1.5	0.28	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	0.98		0.31	0.10	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	0.83		0.31	0.12	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	0.47	*	0.31	0.13	ug/L	1		8270D	Total/NA
Benzo[k]fluoranthene	1.2		0.31	0.26	ug/L	1		8270D	Total/NA
Chrysene	1.1		0.77	0.14	ug/L	1		8270D	Total/NA
Fluoranthene	2.2		1.5	0.31	ug/L	1		8270D	Total/NA
Fluorene	9.2		1.5	0.26	ug/L	1		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.29	J	0.31	0.12	ug/L	1		8270D	Total/NA
Naphthalene	21		1.5	0.24	ug/L	1		8270D	Total/NA
Phenanthrene	18		1.5	0.32	ug/L	1		8270D	Total/NA
Pyrene	2.2		1.5	0.35	ug/L	1		8270D	Total/NA
1-Methylnaphthalene - DL	140		7.7	3.8	ug/L	5		8270D	Total/NA
Benzene	17		0.50	0.36	ug/L	1		WDNR	Total/NA
Ethylbenzene	1.4		0.50	0.37	ug/L	1		WDNR	Total/NA
Methyl tert-butyl ether	0.53		0.50	0.24	ug/L	1		WDNR	Total/NA
Toluene	0.95		0.50	0.33	ug/L	1		WDNR	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GP-13-6 (Continued) — Lab Sample ID: 500-57621-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	12		0.50	0.30	ug/L	1		WDNR	Total/NA
1,3,5-Trimethylbenzene	1.6	*	0.50	0.30	ug/L	1		WDNR	Total/NA
Xylenes, Total	7.7		1.5	0.58	ug/L	1		WDNR	Total/NA

Client Sample ID: GP-13-8 — Lab Sample ID: 500-57621-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.24	J	0.31	0.10	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	0.37		0.31	0.12	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	0.78	*	0.31	0.13	ug/L	1		8270D	Total/NA
Chrysene	0.30	J	0.77	0.14	ug/L	1		8270D	Total/NA
Pyrene	0.38	J	1.5	0.35	ug/L	1		8270D	Total/NA

Client Sample ID: GP-13-9 — Lab Sample ID: 500-57621-7

No Detections.

Client Sample ID: GP-13-10 — Lab Sample ID: 500-57621-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	5.7		0.77	0.13	ug/L	1		8270D	Total/NA
Acenaphthene	12		1.5	0.19	ug/L	1		8270D	Total/NA
Acenaphthylene	3.1		1.5	0.21	ug/L	1		8270D	Total/NA
Anthracene	2.8		1.5	0.28	ug/L	1		8270D	Total/NA
Fluorene	15		1.5	0.26	ug/L	1		8270D	Total/NA
Naphthalene	4.5		1.5	0.24	ug/L	1		8270D	Total/NA
Phenanthrene	34		1.5	0.32	ug/L	1		8270D	Total/NA
Pyrene	1.2	J	1.5	0.35	ug/L	1		8270D	Total/NA
1-Methylnaphthalene - DL	290		15	7.7	ug/L	10		8270D	Total/NA
1,2,4-Trimethylbenzene	13		0.50	0.30	ug/L	1		WDNR	Total/NA
1,3,5-Trimethylbenzene	3.9	*	0.50	0.30	ug/L	1		WDNR	Total/NA

Client Sample ID: GP-13-11 — Lab Sample ID: 500-57621-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	19		1.6	0.19	ug/L	1		8270D	Total/NA
Acenaphthylene	2.6		1.6	0.21	ug/L	1		8270D	Total/NA
Anthracene	1.3	J	1.6	0.29	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	0.39		0.31	0.10	ug/L	1		8270D	Total/NA
Chrysene	0.50	J	0.78	0.15	ug/L	1		8270D	Total/NA
Fluoranthene	0.61	J	1.6	0.32	ug/L	1		8270D	Total/NA
Fluorene	32		1.6	0.26	ug/L	1		8270D	Total/NA
Naphthalene	32		1.6	0.24	ug/L	1		8270D	Total/NA
Phenanthrene	40		1.6	0.33	ug/L	1		8270D	Total/NA
Pyrene	3.5		1.6	0.35	ug/L	1		8270D	Total/NA
1-Methylnaphthalene - DL	470		16	7.8	ug/L	10		8270D	Total/NA
2-Methylnaphthalene - DL	230		7.8	1.3	ug/L	10		8270D	Total/NA
Benzene	2.0		0.50	0.36	ug/L	1		WDNR	Total/NA
Ethylbenzene	15		0.50	0.37	ug/L	1		WDNR	Total/NA
Methyl tert-butyl ether	0.37	J	0.50	0.24	ug/L	1		WDNR	Total/NA
1,2,4-Trimethylbenzene	35	B	0.50	0.30	ug/L	1		WDNR	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Client Sample ID: GP-13-11 (Continued) — Lab Sample ID: 500-57621-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	2.4	*	0.50	0.30	ug/L	1		WDNR	Total/NA
Xylenes, Total	12	B	1.5	0.58	ug/L	1		WDNR	Total/NA

Client Sample ID: GP-13-13 — Lab Sample ID: 500-57621-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.40	J	0.50	0.33	ug/L	1		WDNR	Total/NA

Client Sample ID: GP-13-14 — Lab Sample ID: 500-57621-11

No Detections.

Client Sample ID: MW-2R — Lab Sample ID: 500-57621-12

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 500-57621-13

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 500-57621-14

No Detections.

Client Sample ID: GP-13-9/10 Composite — Lab Sample ID: 500-57621-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
WI Diesel Range Organics (C10-C28)	1600		200	79	mg/Kg	50	☼	WI-DRO	Total/NA
Barium	0.55		0.50	0.010	mg/L	1		6010B	TCLP
Nickel	0.020	J	0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.032	J	0.10	0.020	mg/L	1		6010B	TCLP
Flashpoint	>176		40	40	Degrees F	1		1010	Total/NA
Sulfide	6.2	J	9.1	5.8	mg/Kg	1		9034	Total/NA
pH	7.96		0.200	0.200	SU	1		9045C	Total/NA
Paint Filter	pass				mL/100g	1		9095A	Total/NA
Specific Gravity	2.27				NONE	1		SM 2710F	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
WDNR	Wisconsin - Gasoline Range Organics (GC)	WI-GRO	TAL NSH
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
WI-DRO	Wisconsin - Diesel Range Organics (GC)	WI-DRO	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SM 2710F	Specific Gravity, Density	SM	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-57621-1	GP-13-1	Ground Water	06/03/13 08:50	06/04/13 10:10
500-57621-2	GP-13-2	Ground Water	06/03/13 08:45	06/04/13 10:10
500-57621-3	GP-13-3	Ground Water	06/03/13 09:10	06/04/13 10:10
500-57621-4	GP-13-5	Ground Water	06/03/13 09:30	06/04/13 10:10
500-57621-5	GP-13-6	Ground Water	06/03/13 09:45	06/04/13 10:10
500-57621-6	GP-13-8	Ground Water	06/03/13 10:00	06/04/13 10:10
500-57621-7	GP-13-9	Ground Water	06/03/13 11:00	06/04/13 10:10
500-57621-8	GP-13-10	Ground Water	06/03/13 10:35	06/04/13 10:10
500-57621-9	GP-13-11	Ground Water	06/03/13 10:20	06/04/13 10:10
500-57621-10	GP-13-13	Ground Water	06/03/13 13:50	06/04/13 10:10
500-57621-11	GP-13-14	Ground Water	06/03/13 08:20	06/04/13 10:10
500-57621-12	MW-2R	Ground Water	06/03/13 11:40	06/04/13 10:10
500-57621-13	MW-4	Ground Water	06/03/13 12:10	06/04/13 10:10
500-57621-14	Trip Blank	Water	06/03/13 00:00	06/04/13 10:10
500-57621-15	GP-13-9/10 Composite	Solid	06/03/13 00:00	06/04/13 10:10

Client Sample ID: GP-13-1

Lab Sample ID: 500-57621-1

Date Collected: 06/03/13 08:50

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.77		1.5	0.77	ug/L		06/04/13 17:36	06/07/13 12:17	1
2-Methylnaphthalene	<0.13		0.77	0.13	ug/L		06/04/13 17:36	06/07/13 12:17	1
Acenaphthene	<0.19		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 12:17	1
Acenaphthylene	<0.21		1.5	0.21	ug/L		06/04/13 17:36	06/07/13 12:17	1
Anthracene	<0.29		1.5	0.29	ug/L		06/04/13 17:36	06/07/13 12:17	1
Benzo[a]anthracene	<0.10		0.31	0.10	ug/L		06/04/13 17:36	06/07/13 12:17	1
Benzo[a]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 12:17	1
Benzo[b]fluoranthene	<0.13	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 12:17	1
Benzo[g,h,i]perylene	<0.74		1.5	0.74	ug/L		06/04/13 17:36	06/07/13 12:17	1
Benzo[k]fluoranthene	<0.26		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 12:17	1
Chrysene	<0.14		0.77	0.14	ug/L		06/04/13 17:36	06/07/13 12:17	1
Dibenz(a,h)anthracene	<0.17		0.46	0.17	ug/L		06/04/13 17:36	06/07/13 12:17	1
Fluoranthene	<0.31		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 12:17	1
Fluorene	<0.26		1.5	0.26	ug/L		06/04/13 17:36	06/07/13 12:17	1
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 12:17	1
Naphthalene	<0.24		1.5	0.24	ug/L		06/04/13 17:36	06/07/13 12:17	1
Phenanthrene	<0.33		1.5	0.33	ug/L		06/04/13 17:36	06/07/13 12:17	1
Pyrene	<0.35		1.5	0.35	ug/L		06/04/13 17:36	06/07/13 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*41 - 132*	*06/04/13 17:36*	*06/07/13 12:17*	*1*
Nitrobenzene-d5 (Surr)	*99*		*47 - 134*	*06/04/13 17:36*	*06/07/13 12:17*	*1*
Terphenyl-d14 (Surr)	*97*		*59 - 150*	*06/04/13 17:36*	*06/07/13 12:17*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 14:05	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 14:05	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 14:05	1
Toluene	<0.33		0.50	0.33	ug/L			06/11/13 18:08	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 14:05	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 14:05	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*80 - 120*		*06/07/13 14:05*	*1*
a,a,a-Trifluorotoluene	*144*	*X*	*80 - 120*		*06/11/13 18:08*	*1*

Client Sample ID: GP-13-2

Lab Sample ID: 500-57621-2

Date Collected: 06/03/13 08:45

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**4.4**		1.5	0.75	ug/L		06/04/13 17:36	06/07/13 12:40	1
2-Methylnaphthalene	<0.13		0.75	0.13	ug/L		06/04/13 17:36	06/07/13 12:40	1
Acenaphthene	**2.3**		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 12:40	1
Acenaphthylene	<0.20		1.5	0.20	ug/L		06/04/13 17:36	06/07/13 12:40	1
Anthracene	<0.28		1.5	0.28	ug/L		06/04/13 17:36	06/07/13 12:40	1
Benzo[a]anthracene	<0.098		0.30	0.098	ug/L		06/04/13 17:36	06/07/13 12:40	1

Client Sample ID: GP-13-2

Lab Sample ID: 500-57621-2

Date Collected: 06/03/13 08:45

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.11		0.30	0.11	ug/L		06/04/13 17:36	06/07/13 12:40	1
Benzo[b]fluoranthene	<0.12	*	0.30	0.12	ug/L		06/04/13 17:36	06/07/13 12:40	1
Benzo[g,h,i]perylene	<0.73		1.5	0.73	ug/L		06/04/13 17:36	06/07/13 12:40	1
Benzo[k]fluoranthene	<0.25		0.30	0.25	ug/L		06/04/13 17:36	06/07/13 12:40	1
Chrysene	<0.14		0.75	0.14	ug/L		06/04/13 17:36	06/07/13 12:40	1
Dibenz(a,h)anthracene	<0.17		0.45	0.17	ug/L		06/04/13 17:36	06/07/13 12:40	1
Fluoranthene	<0.31		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 12:40	1
Fluorene	**1.3**	**J**	1.5	0.25	ug/L		06/04/13 17:36	06/07/13 12:40	1
Indeno[1,2,3-cd]pyrene	<0.12		0.30	0.12	ug/L		06/04/13 17:36	06/07/13 12:40	1
Naphthalene	<0.23		1.5	0.23	ug/L		06/04/13 17:36	06/07/13 12:40	1
Phenanthrene	<0.32		1.5	0.32	ug/L		06/04/13 17:36	06/07/13 12:40	1
Pyrene	<0.34		1.5	0.34	ug/L		06/04/13 17:36	06/07/13 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*41 - 132*	*06/04/13 17:36*	*06/07/13 12:40*	*1*
Nitrobenzene-d5 (Surr)	*97*		*47 - 134*	*06/04/13 17:36*	*06/07/13 12:40*	*1*
Terphenyl-d14 (Surr)	*100*		*59 - 150*	*06/04/13 17:36*	*06/07/13 12:40*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 14:37	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 14:37	1
Methyl tert-butyl ether	**0.59**		0.50	0.24	ug/L			06/07/13 14:37	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 14:37	1
1,2,4-Trimethylbenzene	**0.40**	**J**	0.50	0.30	ug/L			06/11/13 18:40	1
1,3,5-Trimethylbenzene	**0.90**	*****	0.50	0.30	ug/L			06/07/13 14:37	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*104*		*80 - 120*		*06/07/13 14:37*	*1*
a,a,a-Trifluorotoluene	*144*	*X*	*80 - 120*		*06/11/13 18:40*	*1*

Client Sample ID: GP-13-3

Lab Sample ID: 500-57621-3

Date Collected: 06/03/13 09:10

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.76		1.5	0.76	ug/L		06/04/13 17:36	06/07/13 13:04	1
2-Methylnaphthalene	<0.13		0.76	0.13	ug/L		06/04/13 17:36	06/07/13 13:04	1
Acenaphthene	<0.19		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 13:04	1
Acenaphthylene	<0.20		1.5	0.20	ug/L		06/04/13 17:36	06/07/13 13:04	1
Anthracene	<0.28		1.5	0.28	ug/L		06/04/13 17:36	06/07/13 13:04	1
Benzo[a]anthracene	<0.099		0.30	0.099	ug/L		06/04/13 17:36	06/07/13 13:04	1
Benzo[a]pyrene	<0.11		0.30	0.11	ug/L		06/04/13 17:36	06/07/13 13:04	1
Benzo[b]fluoranthene	<0.12	*	0.30	0.12	ug/L		06/04/13 17:36	06/07/13 13:04	1
Benzo[g,h,i]perylene	<0.73		1.5	0.73	ug/L		06/04/13 17:36	06/07/13 13:04	1
Benzo[k]fluoranthene	<0.26		0.30	0.26	ug/L		06/04/13 17:36	06/07/13 13:04	1
Chrysene	<0.14		0.76	0.14	ug/L		06/04/13 17:36	06/07/13 13:04	1
Dibenz(a,h)anthracene	<0.17		0.45	0.17	ug/L		06/04/13 17:36	06/07/13 13:04	1

Client Sample ID: GP-13-3

Lab Sample ID: 500-57621-3

Date Collected: 06/03/13 09:10

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.31		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 13:04	1
Fluorene	<0.25		1.5	0.25	ug/L		06/04/13 17:36	06/07/13 13:04	1
Indeno[1,2,3-cd]pyrene	<0.12		0.30	0.12	ug/L		06/04/13 17:36	06/07/13 13:04	1
Naphthalene	<0.23		1.5	0.23	ug/L		06/04/13 17:36	06/07/13 13:04	1
Phenanthrene	<0.32		1.5	0.32	ug/L		06/04/13 17:36	06/07/13 13:04	1
Pyrene	<0.34		1.5	0.34	ug/L		06/04/13 17:36	06/07/13 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*41 - 132*	*06/04/13 17:36*	*06/07/13 13:04*	*1*
Nitrobenzene-d5 (Surr)	*98*		*47 - 134*	*06/04/13 17:36*	*06/07/13 13:04*	*1*
Terphenyl-d14 (Surr)	*95*		*59 - 150*	*06/04/13 17:36*	*06/07/13 13:04*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 15:08	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 15:08	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 15:08	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 15:08	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 15:08	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 15:08	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*109*		*80 - 120*		*06/07/13 15:08*	*1*

Client Sample ID: GP-13-5

Lab Sample ID: 500-57621-4

Date Collected: 06/03/13 09:30

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**36**		1.5	0.77	ug/L		06/04/13 17:36	06/07/13 13:28	1
2-Methylnaphthalene	**8.1**		0.77	0.13	ug/L		06/04/13 17:36	06/07/13 13:28	1
Acenaphthene	**4.1**		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 13:28	1
Acenaphthylene	<0.21		1.5	0.21	ug/L		06/04/13 17:36	06/07/13 13:28	1
Anthracene	<0.28		1.5	0.28	ug/L		06/04/13 17:36	06/07/13 13:28	1
Benzo[a]anthracene	<0.10		0.31	0.10	ug/L		06/04/13 17:36	06/07/13 13:28	1
Benzo[a]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 13:28	1
Benzo[b]fluoranthene	<0.13	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 13:28	1
Benzo[g,h,i]perylene	<0.74		1.5	0.74	ug/L		06/04/13 17:36	06/07/13 13:28	1
Benzo[k]fluoranthene	<0.26		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 13:28	1
Chrysene	<0.14		0.77	0.14	ug/L		06/04/13 17:36	06/07/13 13:28	1
Dibenz(a,h)anthracene	<0.17		0.46	0.17	ug/L		06/04/13 17:36	06/07/13 13:28	1
Fluoranthene	<0.31		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 13:28	1
Fluorene	**2.4**		1.5	0.26	ug/L		06/04/13 17:36	06/07/13 13:28	1
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 13:28	1
Naphthalene	<0.24		1.5	0.24	ug/L		06/04/13 17:36	06/07/13 13:28	1
Phenanthrene	**3.0**		1.5	0.32	ug/L		06/04/13 17:36	06/07/13 13:28	1
Pyrene	<0.35		1.5	0.35	ug/L		06/04/13 17:36	06/07/13 13:28	1

Client Sample ID: GP-13-5

Lab Sample ID: 500-57621-4

Date Collected: 06/03/13 09:30

Matrix: Ground Water

Date Received: 06/04/13 10:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		41 - 132	06/04/13 17:36	06/07/13 13:28	1
Nitrobenzene-d5 (Surr)	94		47 - 134	06/04/13 17:36	06/07/13 13:28	1
Terphenyl-d14 (Surr)	99		59 - 150	06/04/13 17:36	06/07/13 13:28	1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.46	J	0.50	0.36	ug/L			06/07/13 15:39	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 15:39	1
Methyl tert-butyl ether	0.37	J	0.50	0.24	ug/L			06/07/13 15:39	1
Toluene	<0.33		0.50	0.33	ug/L			06/13/13 14:32	1
1,2,4-Trimethylbenzene	0.62		0.50	0.30	ug/L			06/13/13 14:32	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 15:39	1
Xylenes, Total	0.64	J	1.5	0.58	ug/L			06/13/13 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	105		80 - 120		06/07/13 15:39	1
a,a,a-Trifluorotoluene	95		80 - 120		06/13/13 14:32	1

Client Sample ID: GP-13-6

Lab Sample ID: 500-57621-5

Date Collected: 06/03/13 09:45

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	56		0.77	0.13	ug/L		06/04/13 17:36	06/07/13 14:15	1
Acenaphthene	9.1		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 14:15	1
Acenaphthylene	1.3	J	1.5	0.21	ug/L		06/04/13 17:36	06/07/13 14:15	1
Anthracene	1.3	J	1.5	0.28	ug/L		06/04/13 17:36	06/07/13 14:15	1
Benzo[a]anthracene	0.98		0.31	0.10	ug/L		06/04/13 17:36	06/07/13 14:15	1
Benzo[a]pyrene	0.83		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 14:15	1
Benzo[b]fluoranthene	0.47	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 14:15	1
Benzo[g,h,i]perylene	<0.74		1.5	0.74	ug/L		06/04/13 17:36	06/07/13 14:15	1
Benzo[k]fluoranthene	1.2		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 14:15	1
Chrysene	1.1		0.77	0.14	ug/L		06/04/13 17:36	06/07/13 14:15	1
Dibenz(a,h)anthracene	<0.17		0.46	0.17	ug/L		06/04/13 17:36	06/07/13 14:15	1
Fluoranthene	2.2		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 14:15	1
Fluorene	9.2		1.5	0.26	ug/L		06/04/13 17:36	06/07/13 14:15	1
Indeno[1,2,3-cd]pyrene	0.29	J	0.31	0.12	ug/L		06/04/13 17:36	06/07/13 14:15	1
Naphthalene	21		1.5	0.24	ug/L		06/04/13 17:36	06/07/13 14:15	1
Phenanthrene	18		1.5	0.32	ug/L		06/04/13 17:36	06/07/13 14:15	1
Pyrene	2.2		1.5	0.35	ug/L		06/04/13 17:36	06/07/13 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		41 - 132	06/04/13 17:36	06/07/13 14:15	1
Nitrobenzene-d5 (Surr)	97		47 - 134	06/04/13 17:36	06/07/13 14:15	1
Terphenyl-d14 (Surr)	106		59 - 150	06/04/13 17:36	06/07/13 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	140		7.7	3.8	ug/L		06/04/13 17:36	06/10/13 15:48	5

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Client Sample ID: GP-13-6

Lab Sample ID: 500-57621-5

Date Collected: 06/03/13 09:45
Matrix: Ground Water
Date Received: 06/04/13 10:10

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**17**		0.50	0.36	ug/L			06/07/13 16:10	1
Ethylbenzene	**1.4**		0.50	0.37	ug/L			06/07/13 16:10	1
Methyl tert-butyl ether	**0.53**		0.50	0.24	ug/L			06/07/13 16:10	1
Toluene	**0.95**		0.50	0.33	ug/L			06/12/13 12:40	1
1,2,4-Trimethylbenzene	**12**		0.50	0.30	ug/L			06/12/13 12:40	1
1,3,5-Trimethylbenzene	**1.6**	*	0.50	0.30	ug/L			06/07/13 16:10	1
Xylenes, Total	**7.7**		1.5	0.58	ug/L			06/12/13 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*112*		*80 - 120*		*06/07/13 16:10*	*1*
a,a,a-Trifluorotoluene	*110*		*80 - 120*		*06/12/13 12:40*	*1*

Client Sample ID: GP-13-8

Lab Sample ID: 500-57621-6

Date Collected: 06/03/13 10:00
Matrix: Ground Water
Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.77		1.5	0.77	ug/L		06/04/13 17:36	06/07/13 14:39	1
2-Methylnaphthalene	<0.13		0.77	0.13	ug/L		06/04/13 17:36	06/07/13 14:39	1
Acenaphthene	<0.19		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 14:39	1
Acenaphthylene	<0.21		1.5	0.21	ug/L		06/04/13 17:36	06/07/13 14:39	1
Anthracene	<0.28		1.5	0.28	ug/L		06/04/13 17:36	06/07/13 14:39	1
Benzo[a]anthracene	**0.24**	**J**	0.31	0.10	ug/L		06/04/13 17:36	06/07/13 14:39	1
Benzo[a]pyrene	**0.37**		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 14:39	1
Benzo[b]fluoranthene	**0.78**	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 14:39	1
Benzo[g,h,i]perylene	<0.74		1.5	0.74	ug/L		06/04/13 17:36	06/07/13 14:39	1
Benzo[k]fluoranthene	<0.26		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 14:39	1
Chrysene	**0.30**	**J**	0.77	0.14	ug/L		06/04/13 17:36	06/07/13 14:39	1
Dibenz(a,h)anthracene	<0.17		0.46	0.17	ug/L		06/04/13 17:36	06/07/13 14:39	1
Fluoranthene	<0.31		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 14:39	1
Fluorene	<0.26		1.5	0.26	ug/L		06/04/13 17:36	06/07/13 14:39	1
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 14:39	1
Naphthalene	<0.24		1.5	0.24	ug/L		06/04/13 17:36	06/07/13 14:39	1
Phenanthrene	<0.33		1.5	0.33	ug/L		06/04/13 17:36	06/07/13 14:39	1
Pyrene	**0.38**	**J**	1.5	0.35	ug/L		06/04/13 17:36	06/07/13 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*41 - 132*	*06/04/13 17:36*	*06/07/13 14:39*	*1*
Nitrobenzene-d5 (Surr)	*96*		*47 - 134*	*06/04/13 17:36*	*06/07/13 14:39*	*1*
Terphenyl-d14 (Surr)	*94*		*59 - 150*	*06/04/13 17:36*	*06/07/13 14:39*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 16:41	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 16:41	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 16:41	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 16:41	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 16:41	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 16:41	1

Client Sample ID: GP-13-8

Lab Sample ID: 500-57621-6

Date Collected: 06/03/13 10:00

Matrix: Ground Water

Date Received: 06/04/13 10:10

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*102*		*80 - 120*		*06/07/13 16:41*	*1*

Client Sample ID: GP-13-9

Lab Sample ID: 500-57621-7

Date Collected: 06/03/13 11:00

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<1.0		2.1	1.0	ug/L		06/04/13 17:36	06/07/13 15:03	1
2-Methylnaphthalene	<0.17		1.0	0.17	ug/L		06/04/13 17:36	06/07/13 15:03	1
Acenaphthene	<0.26		2.1	0.26	ug/L		06/04/13 17:36	06/07/13 15:03	1
Acenaphthylene	<0.28		2.1	0.28	ug/L		06/04/13 17:36	06/07/13 15:03	1
Anthracene	<0.38		2.1	0.38	ug/L		06/04/13 17:36	06/07/13 15:03	1
Benzo[a]anthracene	<0.14		0.41	0.14	ug/L		06/04/13 17:36	06/07/13 15:03	1
Benzo[a]pyrene	<0.16		0.41	0.16	ug/L		06/04/13 17:36	06/07/13 15:03	1
Benzo[b]fluoranthene	<0.17	*	0.41	0.17	ug/L		06/04/13 17:36	06/07/13 15:03	1
Benzo[g,h,i]perylene	<1.0		2.1	1.0	ug/L		06/04/13 17:36	06/07/13 15:03	1
Benzo[k]fluoranthene	<0.35		0.41	0.35	ug/L		06/04/13 17:36	06/07/13 15:03	1
Chrysene	<0.19		1.0	0.19	ug/L		06/04/13 17:36	06/07/13 15:03	1
Dibenz(a,h)anthracene	<0.23		0.62	0.23	ug/L		06/04/13 17:36	06/07/13 15:03	1
Fluoranthene	<0.42		2.1	0.42	ug/L		06/04/13 17:36	06/07/13 15:03	1
Fluorene	<0.35		2.1	0.35	ug/L		06/04/13 17:36	06/07/13 15:03	1
Indeno[1,2,3-cd]pyrene	<0.16		0.41	0.16	ug/L		06/04/13 17:36	06/07/13 15:03	1
Naphthalene	<0.32		2.1	0.32	ug/L		06/04/13 17:36	06/07/13 15:03	1
Phenanthrene	<0.44		2.1	0.44	ug/L		06/04/13 17:36	06/07/13 15:03	1
Pyrene	<0.47		2.1	0.47	ug/L		06/04/13 17:36	06/07/13 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*41 - 132*	*06/04/13 17:36*	*06/07/13 15:03*	*1*
Nitrobenzene-d5 (Surr)	*91*		*47 - 134*	*06/04/13 17:36*	*06/07/13 15:03*	*1*
Terphenyl-d14 (Surr)	*75*		*59 - 150*	*06/04/13 17:36*	*06/07/13 15:03*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 17:12	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 17:12	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 17:12	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 17:12	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 17:12	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 17:12	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*104*		*80 - 120*		*06/07/13 17:12*	*1*

Client Sample ID: GP-13-10

Lab Sample ID: 500-57621-8

Date Collected: 06/03/13 10:35

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	5.7		0.77	0.13	ug/L		06/04/13 17:36	06/07/13 15:26	1
Acenaphthene	12		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 15:26	1
Acenaphthylene	3.1		1.5	0.21	ug/L		06/04/13 17:36	06/07/13 15:26	1
Anthracene	2.8		1.5	0.28	ug/L		06/04/13 17:36	06/07/13 15:26	1
Benzo[a]anthracene	<0.10		0.31	0.10	ug/L		06/04/13 17:36	06/07/13 15:26	1
Benzo[a]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 15:26	1
Benzo[b]fluoranthene	<0.13	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 15:26	1
Benzo[g,h,i]perylene	<0.74		1.5	0.74	ug/L		06/04/13 17:36	06/07/13 15:26	1
Benzo[k]fluoranthene	<0.26		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 15:26	1
Chrysene	<0.14		0.77	0.14	ug/L		06/04/13 17:36	06/07/13 15:26	1
Dibenz(a,h)anthracene	<0.17		0.46	0.17	ug/L		06/04/13 17:36	06/07/13 15:26	1
Fluoranthene	<0.31		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 15:26	1
Fluorene	15		1.5	0.26	ug/L		06/04/13 17:36	06/07/13 15:26	1
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 15:26	1
Naphthalene	4.5		1.5	0.24	ug/L		06/04/13 17:36	06/07/13 15:26	1
Phenanthrene	34		1.5	0.32	ug/L		06/04/13 17:36	06/07/13 15:26	1
Pyrene	1.2	J	1.5	0.35	ug/L		06/04/13 17:36	06/07/13 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*41 - 132*	*06/04/13 17:36*	*06/07/13 15:26*	*1*
Nitrobenzene-d5 (Surr)	*89*		*47 - 134*	*06/04/13 17:36*	*06/07/13 15:26*	*1*
Terphenyl-d14 (Surr)	*100*		*59 - 150*	*06/04/13 17:36*	*06/07/13 15:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	290		15	7.7	ug/L		06/04/13 17:36	06/10/13 16:37	10

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 17:43	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 17:43	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 17:43	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 17:43	1
1,2,4-Trimethylbenzene	13		0.50	0.30	ug/L			06/12/13 13:11	1
1,3,5-Trimethylbenzene	3.9	*	0.50	0.30	ug/L			06/07/13 17:43	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*99*		*80 - 120*		*06/07/13 17:43*	*1*
a,a,a-Trifluorotoluene	*106*		*80 - 120*		*06/12/13 13:11*	*1*

Client Sample ID: GP-13-11

Lab Sample ID: 500-57621-9

Date Collected: 06/03/13 10:20

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	19		1.6	0.19	ug/L		06/04/13 17:36	06/07/13 15:50	1
Acenaphthylene	2.6		1.6	0.21	ug/L		06/04/13 17:36	06/07/13 15:50	1
Anthracene	1.3	J	1.6	0.29	ug/L		06/04/13 17:36	06/07/13 15:50	1
Benzo[a]anthracene	0.39		0.31	0.10	ug/L		06/04/13 17:36	06/07/13 15:50	1

Client Sample ID: GP-13-11

Lab Sample ID: 500-57621-9

Date Collected: 06/03/13 10:20

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 15:50	1
Benzo[b]fluoranthene	<0.13	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 15:50	1
Benzo[g,h,i]perylene	<0.75		1.6	0.75	ug/L		06/04/13 17:36	06/07/13 15:50	1
Benzo[k]fluoranthene	<0.26		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 15:50	1
Chrysene	**0.50**	**J**	0.78	0.15	ug/L		06/04/13 17:36	06/07/13 15:50	1
Dibenz(a,h)anthracene	<0.18		0.47	0.18	ug/L		06/04/13 17:36	06/07/13 15:50	1
Fluoranthene	**0.61**	**J**	1.6	0.32	ug/L		06/04/13 17:36	06/07/13 15:50	1
Fluorene	**32**		1.6	0.26	ug/L		06/04/13 17:36	06/07/13 15:50	1
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 15:50	1
Naphthalene	**32**		1.6	0.24	ug/L		06/04/13 17:36	06/07/13 15:50	1
Phenanthrene	**40**		1.6	0.33	ug/L		06/04/13 17:36	06/07/13 15:50	1
Pyrene	**3.5**		1.6	0.35	ug/L		06/04/13 17:36	06/07/13 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*41 - 132*	*06/04/13 17:36*	*06/07/13 15:50*	*1*
Nitrobenzene-d5 (Surr)	*111*		*47 - 134*	*06/04/13 17:36*	*06/07/13 15:50*	*1*
Terphenyl-d14 (Surr)	*100*		*59 - 150*	*06/04/13 17:36*	*06/07/13 15:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**470**		16	7.8	ug/L		06/04/13 17:36	06/16/13 19:00	10
2-Methylnaphthalene	**230**		7.8	1.3	ug/L		06/04/13 17:36	06/16/13 19:00	10

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.0**		0.50	0.36	ug/L			06/07/13 18:15	1
Ethylbenzene	**15**		0.50	0.37	ug/L			06/07/13 18:15	1
Methyl tert-butyl ether	**0.37**	**J**	0.50	0.24	ug/L			06/07/13 18:15	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 18:15	1
1,2,4-Trimethylbenzene	**35**	**B**	0.50	0.30	ug/L			06/07/13 18:15	1
1,3,5-Trimethylbenzene	**2.4**	*****	0.50	0.30	ug/L			06/07/13 18:15	1
Xylenes, Total	**12**	**B**	1.5	0.58	ug/L			06/07/13 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*80 - 120*		*06/07/13 18:15*	*1*

Client Sample ID: GP-13-13

Lab Sample ID: 500-57621-10

Date Collected: 06/03/13 13:50

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.77		1.5	0.77	ug/L		06/04/13 17:36	06/07/13 16:14	1
2-Methylnaphthalene	<0.13		0.77	0.13	ug/L		06/04/13 17:36	06/07/13 16:14	1
Acenaphthene	<0.19		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 16:14	1
Acenaphthylene	<0.21		1.5	0.21	ug/L		06/04/13 17:36	06/07/13 16:14	1
Anthracene	<0.29		1.5	0.29	ug/L		06/04/13 17:36	06/07/13 16:14	1
Benzo[a]anthracene	<0.10		0.31	0.10	ug/L		06/04/13 17:36	06/07/13 16:14	1
Benzo[a]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 16:14	1
Benzo[b]fluoranthene	<0.13	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 16:14	1
Benzo[g,h,i]perylene	<0.75		1.5	0.75	ug/L		06/04/13 17:36	06/07/13 16:14	1

Client Sample ID: GP-13-13

Lab Sample ID: 500-57621-10

Date Collected: 06/03/13 13:50

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	<0.26		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 16:14	1
Chrysene	<0.14		0.77	0.14	ug/L		06/04/13 17:36	06/07/13 16:14	1
Dibenz(a,h)anthracene	<0.18		0.46	0.18	ug/L		06/04/13 17:36	06/07/13 16:14	1
Fluoranthene	<0.31		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 16:14	1
Fluorene	<0.26		1.5	0.26	ug/L		06/04/13 17:36	06/07/13 16:14	1
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 16:14	1
Naphthalene	<0.24		1.5	0.24	ug/L		06/04/13 17:36	06/07/13 16:14	1
Phenanthrene	<0.33		1.5	0.33	ug/L		06/04/13 17:36	06/07/13 16:14	1
Pyrene	<0.35		1.5	0.35	ug/L		06/04/13 17:36	06/07/13 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*41 - 132*	*06/04/13 17:36*	*06/07/13 16:14*	*1*
Nitrobenzene-d5 (Surr)	*90*		*47 - 134*	*06/04/13 17:36*	*06/07/13 16:14*	*1*
Terphenyl-d14 (Surr)	*91*		*59 - 150*	*06/04/13 17:36*	*06/07/13 16:14*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 20:20	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 20:20	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 20:20	1
Toluene	**0.40**	**J**	0.50	0.33	ug/L			06/07/13 20:20	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 20:20	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 20:20	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*107*		*80 - 120*		*06/07/13 20:20*	*1*

Client Sample ID: GP-13-14

Lab Sample ID: 500-57621-11

Date Collected: 06/03/13 08:20

Matrix: Ground Water

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.78		1.6	0.78	ug/L		06/04/13 17:36	06/07/13 16:38	1
2-Methylnaphthalene	<0.13		0.78	0.13	ug/L		06/04/13 17:36	06/07/13 16:38	1
Acenaphthene	<0.19		1.6	0.19	ug/L		06/04/13 17:36	06/07/13 16:38	1
Acenaphthylene	<0.21		1.6	0.21	ug/L		06/04/13 17:36	06/07/13 16:38	1
Anthracene	<0.29		1.6	0.29	ug/L		06/04/13 17:36	06/07/13 16:38	1
Benzo[a]anthracene	<0.10		0.31	0.10	ug/L		06/04/13 17:36	06/07/13 16:38	1
Benzo[a]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 16:38	1
Benzo[b]fluoranthene	<0.13	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 16:38	1
Benzo[g,h,i]perylene	<0.76		1.6	0.76	ug/L		06/04/13 17:36	06/07/13 16:38	1
Benzo[k]fluoranthene	<0.26		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 16:38	1
Chrysene	<0.15		0.78	0.15	ug/L		06/04/13 17:36	06/07/13 16:38	1
Dibenz(a,h)anthracene	<0.18		0.47	0.18	ug/L		06/04/13 17:36	06/07/13 16:38	1
Fluoranthene	<0.32		1.6	0.32	ug/L		06/04/13 17:36	06/07/13 16:38	1
Fluorene	<0.26		1.6	0.26	ug/L		06/04/13 17:36	06/07/13 16:38	1
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 16:38	1
Naphthalene	<0.24		1.6	0.24	ug/L		06/04/13 17:36	06/07/13 16:38	1

Client Sample ID: GP-13-14

Lab Sample ID: 500-57621-11

Date Collected: 06/03/13 08:20
Matrix: Ground Water
Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<0.33		1.6	0.33	ug/L		06/04/13 17:36	06/07/13 16:38	1
Pyrene	<0.36		1.6	0.36	ug/L		06/04/13 17:36	06/07/13 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*41 - 132*	*06/04/13 17:36*	*06/07/13 16:38*	*1*
Nitrobenzene-d5 (Surr)	*101*		*47 - 134*	*06/04/13 17:36*	*06/07/13 16:38*	*1*
Terphenyl-d14 (Surr)	*94*		*59 - 150*	*06/04/13 17:36*	*06/07/13 16:38*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 20:51	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 20:51	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 20:51	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 20:51	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 20:51	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 20:51	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*111*		*80 - 120*		*06/07/13 20:51*	*1*

Client Sample ID: MW-2R

Lab Sample ID: 500-57621-12

Date Collected: 06/03/13 11:40
Matrix: Ground Water
Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.77		1.5	0.77	ug/L		06/04/13 17:36	06/07/13 17:03	1
2-Methylnaphthalene	<0.13		0.77	0.13	ug/L		06/04/13 17:36	06/07/13 17:03	1
Acenaphthene	<0.19		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 17:03	1
Acenaphthylene	<0.21		1.5	0.21	ug/L		06/04/13 17:36	06/07/13 17:03	1
Anthracene	<0.28		1.5	0.28	ug/L		06/04/13 17:36	06/07/13 17:03	1
Benzo[a]anthracene	<0.10		0.31	0.10	ug/L		06/04/13 17:36	06/07/13 17:03	1
Benzo[a]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 17:03	1
Benzo[b]fluoranthene	<0.13	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 17:03	1
Benzo[g,h,i]perylene	<0.74		1.5	0.74	ug/L		06/04/13 17:36	06/07/13 17:03	1
Benzo[k]fluoranthene	<0.26		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 17:03	1
Chrysene	<0.14		0.77	0.14	ug/L		06/04/13 17:36	06/07/13 17:03	1
Dibenz(a,h)anthracene	<0.17		0.46	0.17	ug/L		06/04/13 17:36	06/07/13 17:03	1
Fluoranthene	<0.31		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 17:03	1
Fluorene	<0.26		1.5	0.26	ug/L		06/04/13 17:36	06/07/13 17:03	1
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 17:03	1
Naphthalene	<0.24		1.5	0.24	ug/L		06/04/13 17:36	06/07/13 17:03	1
Phenanthrene	<0.32		1.5	0.32	ug/L		06/04/13 17:36	06/07/13 17:03	1
Pyrene	<0.35		1.5	0.35	ug/L		06/04/13 17:36	06/07/13 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*116*		*41 - 132*	*06/04/13 17:36*	*06/07/13 17:03*	*1*
Nitrobenzene-d5 (Surr)	*104*		*47 - 134*	*06/04/13 17:36*	*06/07/13 17:03*	*1*
Terphenyl-d14 (Surr)	*105*		*59 - 150*	*06/04/13 17:36*	*06/07/13 17:03*	*1*

Client Sample ID: MW-2R

Lab Sample ID: 500-57621-12

Date Collected: 06/03/13 11:40
Matrix: Ground Water
Date Received: 06/04/13 10:10

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 21:22	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 21:22	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 21:22	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 21:22	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 21:22	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 21:22	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*105*		*80 - 120*		*06/07/13 21:22*	*1*

Client Sample ID: MW-4

Lab Sample ID: 500-57621-13

Date Collected: 06/03/13 12:10
Matrix: Ground Water
Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.77		1.5	0.77	ug/L		06/04/13 17:36	06/07/13 17:27	1
2-Methylnaphthalene	<0.13		0.77	0.13	ug/L		06/04/13 17:36	06/07/13 17:27	1
Acenaphthene	<0.19		1.5	0.19	ug/L		06/04/13 17:36	06/07/13 17:27	1
Acenaphthylene	<0.21		1.5	0.21	ug/L		06/04/13 17:36	06/07/13 17:27	1
Anthracene	<0.28		1.5	0.28	ug/L		06/04/13 17:36	06/07/13 17:27	1
Benzo[a]anthracene	<0.10		0.31	0.10	ug/L		06/04/13 17:36	06/07/13 17:27	1
Benzo[a]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 17:27	1
Benzo[b]fluoranthene	<0.13	*	0.31	0.13	ug/L		06/04/13 17:36	06/07/13 17:27	1
Benzo[g,h,i]perylene	<0.74		1.5	0.74	ug/L		06/04/13 17:36	06/07/13 17:27	1
Benzo[k]fluoranthene	<0.26		0.31	0.26	ug/L		06/04/13 17:36	06/07/13 17:27	1
Chrysene	<0.14		0.77	0.14	ug/L		06/04/13 17:36	06/07/13 17:27	1
Dibenz(a,h)anthracene	<0.17		0.46	0.17	ug/L		06/04/13 17:36	06/07/13 17:27	1
Fluoranthene	<0.31		1.5	0.31	ug/L		06/04/13 17:36	06/07/13 17:27	1
Fluorene	<0.26		1.5	0.26	ug/L		06/04/13 17:36	06/07/13 17:27	1
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		06/04/13 17:36	06/07/13 17:27	1
Naphthalene	<0.24		1.5	0.24	ug/L		06/04/13 17:36	06/07/13 17:27	1
Phenanthrene	<0.32		1.5	0.32	ug/L		06/04/13 17:36	06/07/13 17:27	1
Pyrene	<0.35		1.5	0.35	ug/L		06/04/13 17:36	06/07/13 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*41 - 132*	*06/04/13 17:36*	*06/07/13 17:27*	*1*
Nitrobenzene-d5 (Surr)	*88*		*47 - 134*	*06/04/13 17:36*	*06/07/13 17:27*	*1*
Terphenyl-d14 (Surr)	*94*		*59 - 150*	*06/04/13 17:36*	*06/07/13 17:27*	*1*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 21:54	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 21:54	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 21:54	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 21:54	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 21:54	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 21:54	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 21:54	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Client Sample ID: MW-4

Lab Sample ID: 500-57621-13
Date Collected: 06/03/13 12:10
Matrix: Ground Water
Date Received: 06/04/13 10:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*110*		*80 - 120*		*06/07/13 21:54*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 500-57621-14
Date Collected: 06/03/13 00:00
Matrix: Water
Date Received: 06/04/13 10:10

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 13:34	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 13:34	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 13:34	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 13:34	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 13:34	1
1,3,5-Trimethylbenzene	<0.30	*	0.50	0.30	ug/L			06/07/13 13:34	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*105*		*80 - 120*		*06/07/13 13:34*	*1*

Client Sample ID: GP-13-9/10 Composite

Lab Sample ID: 500-57621-15
Date Collected: 06/03/13 00:00
Matrix: Solid
Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			06/13/13 16:14	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			06/13/13 16:14	20
Benzene	<0.010		0.020	0.010	mg/L			06/13/13 16:14	20
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			06/13/13 16:14	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			06/13/13 16:14	20
Chloroform	<0.010		0.020	0.010	mg/L			06/13/13 16:14	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			06/13/13 16:14	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			06/13/13 16:14	20
Trichloroethene	<0.010		0.020	0.010	mg/L			06/13/13 16:14	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			06/13/13 16:14	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 125*		*06/13/13 16:14*	*20*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*06/13/13 16:14*	*20*
Dibromofluoromethane	*98*		*75 - 120*		*06/13/13 16:14*	*20*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/13/13 16:14*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1
2,4,5-Trichlorophenol	<0.25		0.50	0.25	mg/L		06/10/13 17:31	06/11/13 15:03	1
2,4,6-Trichlorophenol	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1
2,4-Dinitrotoluene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1
2-Methyl-phenol	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1
3 & 4 Methylphenol	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1
Hexachloro-1,3-butadiene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1

Client Sample ID: GP-13-9/10 Composite

Lab Sample ID: 500-57621-15

Date Collected: 06/03/13 00:00

Matrix: Solid

Date Received: 06/04/13 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1
Hexachloroethane	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1
Nitrobenzene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1
Pentachlorophenol	<0.25		0.50	0.25	mg/L		06/10/13 17:31	06/11/13 15:03	1
Phenol	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 15:03	1
Pyridine	<0.10		0.20	0.10	mg/L		06/10/13 17:31	06/11/13 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*50 - 129*	*06/10/13 17:31*	*06/11/13 15:03*	*1*
2-Fluorobiphenyl	*75*		*48 - 110*	*06/10/13 17:31*	*06/11/13 15:03*	*1*
2-Fluorophenol	*45*		*20 - 100*	*06/10/13 17:31*	*06/11/13 15:03*	*1*
Nitrobenzene-d5	*81*		*41 - 110*	*06/10/13 17:31*	*06/11/13 15:03*	*1*
Phenol-d5	*27*		*20 - 100*	*06/10/13 17:31*	*06/11/13 15:03*	*1*
Terphenyl-d14	*94*		*44 - 132*	*06/10/13 17:31*	*06/11/13 15:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.8		16	5.8	ug/Kg		06/11/13 18:15	06/12/13 09:25	1
PCB-1221	<7.2		16	7.2	ug/Kg		06/11/13 18:15	06/12/13 09:25	1
PCB-1232	<7.1		16	7.1	ug/Kg		06/11/13 18:15	06/12/13 09:25	1
PCB-1242	<5.4		16	5.4	ug/Kg		06/11/13 18:15	06/12/13 09:25	1
PCB-1248	<6.4		16	6.4	ug/Kg		06/11/13 18:15	06/12/13 09:25	1
PCB-1254	<3.5		16	3.5	ug/Kg		06/11/13 18:15	06/12/13 09:25	1
PCB-1260	<8.0		16	8.0	ug/Kg		06/11/13 18:15	06/12/13 09:25	1
Polychlorinated biphenyls, Total	<3.1		16	3.1	ug/Kg		06/11/13 18:15	06/12/13 09:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*64*		*50 - 116*	*06/11/13 18:15*	*06/12/13 09:25*	*1*
DCB Decachlorobiphenyl	*83*		*48 - 142*	*06/11/13 18:15*	*06/12/13 09:25*	*1*

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	**1600**		200	79	mg/Kg	☼	06/06/13 08:40	06/07/13 09:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Nonane	*0*	*D*	*44 - 148*	*06/06/13 08:40*	*06/07/13 09:55*	*50*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		06/10/13 09:08	06/10/13 21:02	1
Barium	**0.55**		0.50	0.010	mg/L		06/10/13 09:08	06/10/13 21:02	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		06/10/13 09:08	06/10/13 21:02	1
Chromium	<0.010		0.025	0.010	mg/L		06/10/13 09:08	06/10/13 21:02	1
Copper	<0.010		0.025	0.010	mg/L		06/10/13 09:08	06/10/13 21:02	1
Lead	<0.0050		0.050	0.0050	mg/L		06/10/13 09:08	06/10/13 21:02	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		06/10/13 09:08	06/10/13 21:02	1
Selenium	<0.010		0.050	0.010	mg/L		06/10/13 09:08	06/10/13 21:02	1
Silver	<0.0050		0.025	0.0050	mg/L		06/10/13 09:08	06/10/13 21:02	1
Zinc	**0.032**	**J**	0.10	0.020	mg/L		06/10/13 09:08	06/10/13 21:02	1

Client Sample Results

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Client Sample ID: GP-13-9/10 Composite

Lab Sample ID: 500-57621-15

Date Collected: 06/03/13 00:00

Matrix: Solid

Date Received: 06/04/13 10:10

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000020		0.00020	0.000020	mg/L		06/10/13 15:00	06/11/13 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		40	40	Degrees F			06/04/13 15:49	1
Cyanide, Total	<0.15		0.47	0.15	mg/Kg		06/06/13 09:10	06/06/13 14:19	1
Sulfide	**6.2**	**J**	9.1	5.8	mg/Kg		06/14/13 11:30	06/14/13 16:30	1
pH	**7.96**		0.200	0.200	SU			06/10/13 15:08	1
Paint Filter	**pass**				mL/100g			06/04/13 12:59	1
Specific Gravity	**2.27**				NONE			06/13/13 11:53	1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Metals

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.

General Chemistry

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.

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, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
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)

QC Association Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

GC/MS VOA

Leach Batch: 189534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	1311	
LB 500-189534/1-A LB	Method Blank	TCLP	Solid	1311	

Analysis Batch: 189631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	8260B	189534
LB 500-189534/1-A LB	Method Blank	TCLP	Solid	8260B	189534
LCS 500-189631/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-189631/7	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 188536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-1	GP-13-1	Total/NA	Ground Water	3510C	
500-57621-2	GP-13-2	Total/NA	Ground Water	3510C	
500-57621-3	GP-13-3	Total/NA	Ground Water	3510C	
500-57621-4	GP-13-5	Total/NA	Ground Water	3510C	
500-57621-5	GP-13-6	Total/NA	Ground Water	3510C	
500-57621-5 - DL	GP-13-6	Total/NA	Ground Water	3510C	
500-57621-6	GP-13-8	Total/NA	Ground Water	3510C	
500-57621-7	GP-13-9	Total/NA	Ground Water	3510C	
500-57621-8	GP-13-10	Total/NA	Ground Water	3510C	
500-57621-8 - DL	GP-13-10	Total/NA	Ground Water	3510C	
500-57621-9	GP-13-11	Total/NA	Ground Water	3510C	
500-57621-9 - DL	GP-13-11	Total/NA	Ground Water	3510C	
500-57621-10	GP-13-13	Total/NA	Ground Water	3510C	
500-57621-11	GP-13-14	Total/NA	Ground Water	3510C	
500-57621-12	MW-2R	Total/NA	Ground Water	3510C	
500-57621-13	MW-4	Total/NA	Ground Water	3510C	
LCS 500-188536/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-188536/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 500-188536/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 188935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-1	GP-13-1	Total/NA	Ground Water	8270D	188536
500-57621-2	GP-13-2	Total/NA	Ground Water	8270D	188536
500-57621-3	GP-13-3	Total/NA	Ground Water	8270D	188536
500-57621-4	GP-13-5	Total/NA	Ground Water	8270D	188536
500-57621-5	GP-13-6	Total/NA	Ground Water	8270D	188536
500-57621-6	GP-13-8	Total/NA	Ground Water	8270D	188536
500-57621-7	GP-13-9	Total/NA	Ground Water	8270D	188536
500-57621-8	GP-13-10	Total/NA	Ground Water	8270D	188536
500-57621-9	GP-13-11	Total/NA	Ground Water	8270D	188536
500-57621-10	GP-13-13	Total/NA	Ground Water	8270D	188536
500-57621-11	GP-13-14	Total/NA	Ground Water	8270D	188536
500-57621-12	MW-2R	Total/NA	Ground Water	8270D	188536
500-57621-13	MW-4	Total/NA	Ground Water	8270D	188536
LCS 500-188536/2-A	Lab Control Sample	Total/NA	Water	8270D	188536

GC/MS Semi VOA (Continued)

Analysis Batch: 188935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 500-188536/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	188536
MB 500-188536/1-A	Method Blank	Total/NA	Water	8270D	188536

Leach Batch: 189113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	1311	
LB 500-189113/1-D LB	Method Blank	TCLP	Solid	1311	

Analysis Batch: 189168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-5 - DL	GP-13-6	Total/NA	Ground Water	8270D	188536
500-57621-8 - DL	GP-13-10	Total/NA	Ground Water	8270D	188536

Prep Batch: 189264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	3510C	189113
LB 500-189113/1-D LB	Method Blank	TCLP	Solid	3510C	189113
LCS 500-189264/2-A	Lab Control Sample	Total/NA	Solid	3510C	
MB 500-189264/1-A	Method Blank	Total/NA	Solid	3510C	

Analysis Batch: 189308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	8270C	189264
LB 500-189113/1-D LB	Method Blank	TCLP	Solid	8270C	189264
LCS 500-189264/2-A	Lab Control Sample	Total/NA	Solid	8270C	189264
MB 500-189264/1-A	Method Blank	Total/NA	Solid	8270C	189264

Analysis Batch: 189943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-9 - DL	GP-13-11	Total/NA	Ground Water	8270D	188536

GC VOA

Analysis Batch: 84603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-1	GP-13-1	Total/NA	Ground Water	WDNR	
500-57621-2	GP-13-2	Total/NA	Ground Water	WDNR	
500-57621-3	GP-13-3	Total/NA	Ground Water	WDNR	
500-57621-4	GP-13-5	Total/NA	Ground Water	WDNR	
500-57621-5	GP-13-6	Total/NA	Ground Water	WDNR	
500-57621-6	GP-13-8	Total/NA	Ground Water	WDNR	
500-57621-7	GP-13-9	Total/NA	Ground Water	WDNR	
500-57621-8	GP-13-10	Total/NA	Ground Water	WDNR	
500-57621-9	GP-13-11	Total/NA	Ground Water	WDNR	
500-57621-10	GP-13-13	Total/NA	Ground Water	WDNR	
500-57621-11	GP-13-14	Total/NA	Ground Water	WDNR	
500-57621-12	MW-2R	Total/NA	Ground Water	WDNR	
500-57621-13	MW-4	Total/NA	Ground Water	WDNR	
500-57621-14	Trip Blank	Total/NA	Water	WDNR	
LCS 490-84603/13	Lab Control Sample	Total/NA	Water	WDNR	

GC VOA (Continued)

Analysis Batch: 84603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 490-84603/26	Lab Control Sample Dup	Total/NA	Water	WDNR	
MB 490-84603/15	Method Blank	Total/NA	Water	WDNR	
MB 490-84603/2	Method Blank	Total/NA	Water	WDNR	

Analysis Batch: 85413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-1	GP-13-1	Total/NA	Ground Water	WDNR	
500-57621-2	GP-13-2	Total/NA	Ground Water	WDNR	
LCS 490-85413/4	Lab Control Sample	Total/NA	Water	WDNR	
LCSD 490-85413/14	Lab Control Sample Dup	Total/NA	Water	WDNR	
MB 490-85413/7	Method Blank	Total/NA	Water	WDNR	

Analysis Batch: 85721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-5	GP-13-6	Total/NA	Ground Water	WDNR	
500-57621-8	GP-13-10	Total/NA	Ground Water	WDNR	
LCS 490-85721/4	Lab Control Sample	Total/NA	Water	WDNR	
LCSD 490-85721/6	Lab Control Sample Dup	Total/NA	Water	WDNR	
MB 490-85721/12	Method Blank	Total/NA	Water	WDNR	

Analysis Batch: 85948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-4	GP-13-5	Total/NA	Ground Water	WDNR	
LCS 490-85948/15	Lab Control Sample	Total/NA	Water	WDNR	
LCSD 490-85948/16	Lab Control Sample Dup	Total/NA	Water	WDNR	
MB 490-85948/4	Method Blank	Total/NA	Water	WDNR	

GC Semi VOA

Prep Batch: 188787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	WI DRO PREP	
LCS 500-188787/2-A	Lab Control Sample	Total/NA	Solid	WI DRO PREP	
LCSD 500-188787/3-A	Lab Control Sample Dup	Total/NA	Solid	WI DRO PREP	
MB 500-188787/1-A	Method Blank	Total/NA	Solid	WI DRO PREP	

Analysis Batch: 188833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	WI-DRO	188787
LCS 500-188787/2-A	Lab Control Sample	Total/NA	Solid	WI-DRO	188787
LCSD 500-188787/3-A	Lab Control Sample Dup	Total/NA	Solid	WI-DRO	188787
MB 500-188787/1-A	Method Blank	Total/NA	Solid	WI-DRO	188787

Prep Batch: 189406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	3541	
LCS 500-189406/3-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-189406/1-A	Method Blank	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Analysis Batch: 189465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	8082	189406
LCS 500-189406/3-A	Lab Control Sample	Total/NA	Solid	8082	189406
MB 500-189406/1-A	Method Blank	Total/NA	Solid	8082	189406

Metals

Leach Batch: 189113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	1311	
LB 500-189113/1-B LB	Method Blank	TCLP	Solid	1311	
LB 500-189113/1-C LB	Method Blank	TCLP	Solid	1311	

Prep Batch: 189181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	3010A	189113
LB 500-189113/1-B LB	Method Blank	TCLP	Solid	3010A	189113
LCS 500-189181/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 189228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	7470A	189113
LB 500-189113/1-C LB	Method Blank	TCLP	Solid	7470A	189113
LCS 500-189228/8-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 500-189228/7-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 189290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	6010B	189181
LB 500-189113/1-B LB	Method Blank	TCLP	Solid	6010B	189181
LCS 500-189181/2-A	Lab Control Sample	Total/NA	Solid	6010B	189181

Analysis Batch: 189379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	TCLP	Solid	7470A	189228
LB 500-189113/1-C LB	Method Blank	TCLP	Solid	7470A	189228
LCS 500-189228/8-A	Lab Control Sample	Total/NA	Solid	7470A	189228
MB 500-189228/7-A	Method Blank	Total/NA	Solid	7470A	189228

General Chemistry

Analysis Batch: 188487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	Moisture	

Analysis Batch: 188491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	9095A	

General Chemistry (Continued)

Analysis Batch: 188497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	1010	

Prep Batch: 188630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	9010B	
LCS 500-188630/11-A	Lab Control Sample	Total/NA	Solid	9010B	
MB 500-188630/10-A	Method Blank	Total/NA	Solid	9010B	

Analysis Batch: 188892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	9014	188630
LCS 500-188630/11-A	Lab Control Sample	Total/NA	Solid	9014	188630
MB 500-188630/10-A	Method Blank	Total/NA	Solid	9014	188630

Analysis Batch: 189348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	9045C	

Analysis Batch: 189776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	SM 2710F	

Prep Batch: 189818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	9030B	
LCS 500-189818/2-A	Lab Control Sample	Total/NA	Solid	9030B	
MB 500-189818/1-A	Method Blank	Total/NA	Solid	9030B	

Analysis Batch: 189887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-57621-15	GP-13-9/10 Composite	Total/NA	Solid	9034	189818
LCS 500-189818/2-A	Lab Control Sample	Total/NA	Solid	9034	189818
MB 500-189818/1-A	Method Blank	Total/NA	Solid	9034	189818

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
LCS 500-189631/4	Lab Control Sample	90	88	96	93
MB 500-189631/7	Method Blank	90	89	96	93

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
500-57621-15	GP-13-9/10 Composite	93	90	98	93
LB 500-189534/1-A LB	Method Blank	81	93	94	96

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(50-129)	(48-110)	(20-100)	(41-110)	(20-100)	(44-132)
LCS 500-189264/2-A	Lab Control Sample	89	75	40	76	29	61
MB 500-189264/1-A	Method Blank	77	67	42	79	27	97

Surrogate Legend

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

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(50-129)	(48-110)	(20-100)	(41-110)	(20-100)	(44-132)
500-57621-15	GP-13-9/10 Composite	85	75	45	81	27	94
LB 500-189113/1-D LB	Method Blank	67	63	37	73	22	102

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(41-132)	(47-134)	(59-150)
500-57621-1	GP-13-1	89	99	97
500-57621-2	GP-13-2	80	97	100
500-57621-3	GP-13-3	90	98	95
500-57621-4	GP-13-5	84	94	99
500-57621-5	GP-13-6	74	97	106
500-57621-5 - DL	GP-13-6	96	73	136
500-57621-6	GP-13-8	88	96	94
500-57621-7	GP-13-9	86	91	75
500-57621-8	GP-13-10	85	89	100
500-57621-8 - DL	GP-13-10	138 X	117	150
500-57621-9	GP-13-11	92	111	100
500-57621-9 - DL	GP-13-11	132	101	157 X
500-57621-10	GP-13-13	91	90	91
500-57621-11	GP-13-14	101	101	94
500-57621-12	MW-2R	116	104	105
500-57621-13	MW-4	86	88	94

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(41-132)	(47-134)	(59-150)
LCS 500-188536/2-A	Lab Control Sample	84	99	85
LCSD 500-188536/3-A	Lab Control Sample Dup	87	103	90
MB 500-188536/1-A	Method Blank	84	90	102

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	TFT (80-120)						
500-57621-1	GP-13-1	106						
500-57621-1	GP-13-1	144 X						
500-57621-2	GP-13-2	104						
500-57621-2	GP-13-2	144 X						
500-57621-3	GP-13-3	109						
500-57621-4	GP-13-5	105						
500-57621-4	GP-13-5	95						
500-57621-5	GP-13-6	112						
500-57621-5	GP-13-6	110						
500-57621-6	GP-13-8	102						
500-57621-7	GP-13-9	104						
500-57621-8	GP-13-10	99						
500-57621-8	GP-13-10	106						
500-57621-9	GP-13-11	106						
500-57621-10	GP-13-13	107						
500-57621-11	GP-13-14	111						
500-57621-12	MW-2R	105						
500-57621-13	MW-4	110						

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	TFT (80-120)						
500-57621-14	Trip Blank	105						
LCS 490-84603/13	Lab Control Sample	112						
LCS 490-85413/4	Lab Control Sample	135 X						
LCS 490-85721/4	Lab Control Sample	147 X						
LCS 490-85948/15	Lab Control Sample	120						
LCSD 490-84603/26	Lab Control Sample Dup	135 X						
LCSD 490-85413/14	Lab Control Sample Dup	169 X						
LCSD 490-85721/6	Lab Control Sample Dup	169 X						
LCSD 490-85948/16	Lab Control Sample Dup	116						
MB 490-84603/15	Method Blank	102						
MB 490-84603/2	Method Blank	104						
MB 490-85413/7	Method Blank	140 X						
MB 490-85721/12	Method Blank	107						
MB 490-85948/4	Method Blank	95						

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Surrogate Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
		TCX1	DCB1						
Lab Sample ID	Client Sample ID	(50-116)	(48-142)						
500-57621-15	GP-13-9/10 Composite	64	83						
LCS 500-189406/3-A	Lab Control Sample	72	96						
MB 500-189406/1-A	Method Blank	76	89						

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		C9							
Lab Sample ID	Client Sample ID	(44-148)							
500-57621-15	GP-13-9/10 Composite	0 D							
LCS 500-188787/2-A	Lab Control Sample	77							
LCSD 500-188787/3-A	Lab Control Sample Dup	80							
MB 500-188787/1-A	Method Blank	78							

Surrogate Legend

C9 = n-Nonane

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

Lab Sample ID: MB 500-189631/7 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189631

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.00050		0.0010	0.00050	mg/L			06/13/13 13:38	1
1,2-Dichloroethane	<0.00050		0.0010	0.00050	mg/L			06/13/13 13:38	1
Benzene	<0.00050		0.0010	0.00050	mg/L			06/13/13 13:38	1
Carbon tetrachloride	<0.00050		0.0010	0.00050	mg/L			06/13/13 13:38	1
Chlorobenzene	<0.00050		0.0010	0.00050	mg/L			06/13/13 13:38	1
Chloroform	<0.00050		0.0010	0.00050	mg/L			06/13/13 13:38	1
Methyl Ethyl Ketone	<0.0025		0.0050	0.0025	mg/L			06/13/13 13:38	1
Tetrachloroethene	<0.00050		0.0010	0.00050	mg/L			06/13/13 13:38	1
Trichloroethene	<0.00050		0.0010	0.00050	mg/L			06/13/13 13:38	1
Vinyl chloride	<0.00050		0.0010	0.00050	mg/L			06/13/13 13:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*		*06/13/13 13:38*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*06/13/13 13:38*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*06/13/13 13:38*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/13/13 13:38*	*1*

Lab Sample ID: LCS 500-189631/4 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189631

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0500	0.0449		mg/L		90	58 - 122
1,2-Dichloroethane	0.0500	0.0433		mg/L		87	69 - 120
Benzene	0.0500	0.0471		mg/L		94	70 - 120
Carbon tetrachloride	0.0500	0.0469		mg/L		94	70 - 125
Chlorobenzene	0.0500	0.0466		mg/L		93	70 - 120
Chloroform	0.0500	0.0464		mg/L		93	70 - 120
Methyl Ethyl Ketone	0.0500	0.0460		mg/L		92	54 - 138
Tetrachloroethene	0.0500	0.0467		mg/L		93	70 - 123
Trichloroethene	0.0500	0.0499		mg/L		100	70 - 120
Vinyl chloride	0.0500	0.0471		mg/L		94	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*
4-Bromofluorobenzene (Surr)	*88*		*75 - 120*
Dibromofluoromethane	*96*		*75 - 120*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Sample ID: LB 500-189534/1-A LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 189631

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.010		0.020	0.010	mg/L			06/13/13 14:04	20
1,2-Dichloroethane	<0.010		0.020	0.010	mg/L			06/13/13 14:04	20
Benzene	<0.010		0.020	0.010	mg/L			06/13/13 14:04	20

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

Lab Sample ID: LB 500-189534/1-A LB
Matrix: Solid
Analysis Batch: 189631

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.010		0.020	0.010	mg/L			06/13/13 14:04	20
Chlorobenzene	<0.010		0.020	0.010	mg/L			06/13/13 14:04	20
Chloroform	<0.010		0.020	0.010	mg/L			06/13/13 14:04	20
Methyl Ethyl Ketone	<0.050		0.10	0.050	mg/L			06/13/13 14:04	20
Tetrachloroethene	<0.010		0.020	0.010	mg/L			06/13/13 14:04	20
Trichloroethene	<0.010		0.020	0.010	mg/L			06/13/13 14:04	20
Vinyl chloride	<0.010		0.020	0.010	mg/L			06/13/13 14:04	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 125*		*06/13/13 14:04*	*20*
4-Bromofluorobenzene (Surr)	*93*		*75 - 120*		*06/13/13 14:04*	*20*
Dibromofluoromethane	*94*		*75 - 120*		*06/13/13 14:04*	*20*
Toluene-d8 (Surr)	*96*		*75 - 120*		*06/13/13 14:04*	*20*

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

Lab Sample ID: MB 500-189264/1-A
Matrix: Solid
Analysis Batch: 189308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 189264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
2,4,5-Trichlorophenol	<0.025		0.050	0.025	mg/L		06/10/13 17:31	06/11/13 17:29	1
2,4,6-Trichlorophenol	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
2,4-Dinitrotoluene	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
2-Methyl-phenol	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
3 & 4 Methylphenol	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
Hexachloro-1,3-butadiene	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
Hexachlorobenzene	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
Hexachloroethane	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
Nitrobenzene	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
Pentachlorophenol	<0.025		0.050	0.025	mg/L		06/10/13 17:31	06/11/13 17:29	1
Phenol	<0.0050		0.010	0.0050	mg/L		06/10/13 17:31	06/11/13 17:29	1
Pyridine	<0.010		0.020	0.010	mg/L		06/10/13 17:31	06/11/13 17:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*50 - 129*	*06/10/13 17:31*	*06/11/13 17:29*	*1*
2-Fluorobiphenyl	*67*		*48 - 110*	*06/10/13 17:31*	*06/11/13 17:29*	*1*
2-Fluorophenol	*42*		*20 - 100*	*06/10/13 17:31*	*06/11/13 17:29*	*1*
Nitrobenzene-d5	*79*		*41 - 110*	*06/10/13 17:31*	*06/11/13 17:29*	*1*
Phenol-d5	*27*		*20 - 100*	*06/10/13 17:31*	*06/11/13 17:29*	*1*
Terphenyl-d14	*97*		*44 - 132*	*06/10/13 17:31*	*06/11/13 17:29*	*1*

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

Lab Sample ID: LCS 500-189264/2-A
Matrix: Solid
Analysis Batch: 189308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 189264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0320		mg/L		64	33 - 100
2,4,5-Trichlorophenol	0.0500	0.0449	J	mg/L		90	63 - 110
2,4,6-Trichlorophenol	0.0500	0.0453		mg/L		91	63 - 110
2,4-Dinitrotoluene	0.0500	0.0553		mg/L		111	62 - 119
2-Methyl-phenol	0.0500	0.0406		mg/L		81	42 - 100
3 & 4 Methylphenol	0.0500	0.0327		mg/L		65	38 - 110
Hexachloro-1,3-butadiene	0.0500	0.0353		mg/L		71	28 - 110
Hexachlorobenzene	0.0500	0.0518		mg/L		104	60 - 110
Hexachloroethane	0.0500	0.0322		mg/L		64	29 - 100
Nitrobenzene	0.0500	0.0417		mg/L		83	52 - 110
Pentachlorophenol	0.100	0.0669		mg/L		67	42 - 127
Phenol	0.0500	0.0174		mg/L		35	20 - 100
Pyridine	0.0500	0.0182	J	mg/L		36	10 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*89*		*50 - 129*
2-Fluorobiphenyl	*75*		*48 - 110*
2-Fluorophenol	*40*		*20 - 100*
Nitrobenzene-d5	*76*		*41 - 110*
Phenol-d5	*29*		*20 - 100*
Terphenyl-d14	*61*		*44 - 132*

Lab Sample ID: LB 500-189113/1-D LB
Matrix: Solid
Analysis Batch: 189308

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 189264

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
2,4,5-Trichlorophenol	<0.25		0.50	0.25	mg/L		06/10/13 17:31	06/11/13 20:45	1
2,4,6-Trichlorophenol	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
2,4-Dinitrotoluene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
2-Methyl-phenol	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
3 & 4 Methylphenol	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
Hexachloro-1,3-butadiene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
Hexachlorobenzene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
Hexachloroethane	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
Nitrobenzene	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
Pentachlorophenol	<0.25		0.50	0.25	mg/L		06/10/13 17:31	06/11/13 20:45	1
Phenol	<0.050		0.10	0.050	mg/L		06/10/13 17:31	06/11/13 20:45	1
Pyridine	<0.10		0.20	0.10	mg/L		06/10/13 17:31	06/11/13 20:45	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*50 - 129*	*06/10/13 17:31*	*06/11/13 20:45*	*1*
2-Fluorobiphenyl	*63*		*48 - 110*	*06/10/13 17:31*	*06/11/13 20:45*	*1*
2-Fluorophenol	*37*		*20 - 100*	*06/10/13 17:31*	*06/11/13 20:45*	*1*
Nitrobenzene-d5	*73*		*41 - 110*	*06/10/13 17:31*	*06/11/13 20:45*	*1*
Phenol-d5	*22*		*20 - 100*	*06/10/13 17:31*	*06/11/13 20:45*	*1*

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

Lab Sample ID: LB 500-189113/1-D LB
Matrix: Solid
Analysis Batch: 189308

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 189264

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*102*		*44 - 132*	*06/10/13 17:31*	*06/11/13 20:45*	*1*

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

Lab Sample ID: MB 500-188536/1-A
Matrix: Water
Analysis Batch: 188935

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 188536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.40		0.80	0.40	ug/L		06/04/13 17:36	06/07/13 11:53	1
2-Methylnaphthalene	<0.067		0.40	0.067	ug/L		06/04/13 17:36	06/07/13 11:53	1
Acenaphthene	<0.099		0.80	0.099	ug/L		06/04/13 17:36	06/07/13 11:53	1
Acenaphthylene	<0.11		0.80	0.11	ug/L		06/04/13 17:36	06/07/13 11:53	1
Anthracene	<0.15		0.80	0.15	ug/L		06/04/13 17:36	06/07/13 11:53	1
Benzo[a]anthracene	<0.052		0.16	0.052	ug/L		06/04/13 17:36	06/07/13 11:53	1
Benzo[a]pyrene	<0.061		0.16	0.061	ug/L		06/04/13 17:36	06/07/13 11:53	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		06/04/13 17:36	06/07/13 11:53	1
Benzo[g,h,i]perylene	<0.39		0.80	0.39	ug/L		06/04/13 17:36	06/07/13 11:53	1
Benzo[k]fluoranthene	<0.14		0.16	0.14	ug/L		06/04/13 17:36	06/07/13 11:53	1
Chrysene	<0.075		0.40	0.075	ug/L		06/04/13 17:36	06/07/13 11:53	1
Dibenz(a,h)anthracene	<0.091		0.24	0.091	ug/L		06/04/13 17:36	06/07/13 11:53	1
Fluoranthene	<0.16		0.80	0.16	ug/L		06/04/13 17:36	06/07/13 11:53	1
Fluorene	<0.13		0.80	0.13	ug/L		06/04/13 17:36	06/07/13 11:53	1
Indeno[1,2,3-cd]pyrene	<0.061		0.16	0.061	ug/L		06/04/13 17:36	06/07/13 11:53	1
Naphthalene	<0.12		0.80	0.12	ug/L		06/04/13 17:36	06/07/13 11:53	1
Phenanthrene	<0.17		0.80	0.17	ug/L		06/04/13 17:36	06/07/13 11:53	1
Pyrene	<0.18		0.80	0.18	ug/L		06/04/13 17:36	06/07/13 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*41 - 132*	*06/04/13 17:36*	*06/07/13 11:53*	*1*
Nitrobenzene-d5 (Surr)	*90*		*47 - 134*	*06/04/13 17:36*	*06/07/13 11:53*	*1*
Terphenyl-d14 (Surr)	*102*		*59 - 150*	*06/04/13 17:36*	*06/07/13 11:53*	*1*

Lab Sample ID: LCS 500-188536/2-A
Matrix: Water
Analysis Batch: 188935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 188536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	40.0	25.1		ug/L		63	42 - 110
Acenaphthene	40.0	31.1		ug/L		78	44 - 110
Acenaphthylene	40.0	35.8		ug/L		90	48 - 114
Anthracene	40.0	44.3		ug/L		111	58 - 127
Benzo[a]anthracene	40.0	31.4		ug/L		79	64 - 119
Benzo[a]pyrene	40.0	36.7		ug/L		92	70 - 119
Benzo[b]fluoranthene	40.0	35.0		ug/L		87	68 - 130
Benzo[g,h,i]perylene	40.0	41.6		ug/L		104	48 - 140
Benzo[k]fluoranthene	40.0	36.3		ug/L		91	60 - 133

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

Lab Sample ID: LCS 500-188536/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 188935 — **Prep Batch: 188536**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	40.0	32.3		ug/L		81	57 - 122
Dibenz(a,h)anthracene	40.0	38.9		ug/L		97	59 - 132
Fluoranthene	40.0	44.0		ug/L		110	57 - 135
Fluorene	40.0	40.6		ug/L		101	50 - 121
Indeno[1,2,3-cd]pyrene	40.0	40.0		ug/L		100	58 - 138
Naphthalene	40.0	30.5		ug/L		76	38 - 110
Phenanthrene	40.0	47.4		ug/L		118	56 - 131
Pyrene	40.0	31.5		ug/L		79	67 - 116

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*41 - 132*
Nitrobenzene-d5 (Surr)	*99*		*47 - 134*
Terphenyl-d14 (Surr)	*85*		*59 - 150*

Lab Sample ID: LCSD 500-188536/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 188935 — **Prep Batch: 188536**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	40.0	27.4		ug/L		69	42 - 110	9	20
Acenaphthene	40.0	34.0		ug/L		85	44 - 110	9	20
Acenaphthylene	40.0	40.1		ug/L		100	48 - 114	11	20
Anthracene	40.0	48.8		ug/L		122	58 - 127	9	20
Benzo[a]anthracene	40.0	34.2		ug/L		85	64 - 119	8	20
Benzo[a]pyrene	40.0	40.8		ug/L		102	70 - 119	10	20
Benzo[b]fluoranthene	40.0	47.3	*	ug/L		118	68 - 130	30	20
Benzo[g,h,i]perylene	40.0	45.3		ug/L		113	48 - 140	9	20
Benzo[k]fluoranthene	40.0	39.5		ug/L		99	60 - 133	9	20
Chrysene	40.0	35.1		ug/L		88	57 - 122	8	20
Dibenz(a,h)anthracene	40.0	42.5		ug/L		106	59 - 132	9	20
Fluoranthene	40.0	49.6		ug/L		124	57 - 135	12	20
Fluorene	40.0	46.6		ug/L		116	50 - 121	14	20
Indeno[1,2,3-cd]pyrene	40.0	43.3		ug/L		108	58 - 138	8	20
Naphthalene	40.0	34.3		ug/L		86	38 - 110	12	20
Phenanthrene	40.0	50.0		ug/L		125	56 - 131	5	20
Pyrene	40.0	34.7		ug/L		87	67 - 116	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*41 - 132*
Nitrobenzene-d5 (Surr)	*103*		*47 - 134*
Terphenyl-d14 (Surr)	*90*		*59 - 150*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC)

Lab Sample ID: MB 490-84603/15
Matrix: Water
Analysis Batch: 84603

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 19:49	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 19:49	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 19:49	1
Toluene	<0.33		0.50	0.33	ug/L			06/07/13 19:49	1
1,2,4-Trimethylbenzene	0.333	J	0.50	0.30	ug/L			06/07/13 19:49	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 19:49	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/07/13 19:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*102*		*80 - 120*		*06/07/13 19:49*	*1*

Lab Sample ID: MB 490-84603/2
Matrix: Water
Analysis Batch: 84603

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/07/13 13:02	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/07/13 13:02	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/07/13 13:02	1
Toluene	1.52		0.50	0.33	ug/L			06/07/13 13:02	1
1,2,4-Trimethylbenzene	0.606		0.50	0.30	ug/L			06/07/13 13:02	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/07/13 13:02	1
Xylenes, Total	0.806	J	1.5	0.58	ug/L			06/07/13 13:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*104*		*80 - 120*		*06/07/13 13:02*	*1*

Lab Sample ID: LCS 490-84603/13
Matrix: Water
Analysis Batch: 84603

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	100	73.6		ug/L		74	69 - 129
Ethylbenzene	100	77.5		ug/L		78	70 - 130
Methyl tert-butyl ether	100	79.9		ug/L		80	57 - 138
Toluene	100	75.0		ug/L		75	66 - 127
1,2,4-Trimethylbenzene	100	71.7		ug/L		72	60 - 131
1,3,5-Trimethylbenzene	100	76.3		ug/L		76	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*112*		*80 - 120*

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCSD 490-84603/26 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 84603

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	100	94.0		ug/L		94	69 - 129	24	33
Ethylbenzene	100	98.4		ug/L		98	70 - 130	24	35
Methyl tert-butyl ether	100	93.6		ug/L		94	57 - 138	16	40
Toluene	100	95.0		ug/L		95	66 - 127	23	34
1,2,4-Trimethylbenzene	100	93.3		ug/L		93	60 - 131	26	43
1,3,5-Trimethylbenzene	100	97.7	*	ug/L		98	70 - 130	25	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*135*	*X*	*80 - 120*

Lab Sample ID: MB 490-85413/7 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/11/13 16:46	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/11/13 16:46	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/11/13 16:46	1
Toluene	<0.33		0.50	0.33	ug/L			06/11/13 16:46	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/11/13 16:46	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/11/13 16:46	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/11/13 16:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*140*	*X*	*80 - 120*		*06/11/13 16:46*	*1*

Lab Sample ID: LCS 490-85413/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	100	89.3		ug/L		89	69 - 129
Ethylbenzene	100	94.3		ug/L		94	70 - 130
Methyl tert-butyl ether	100	94.4		ug/L		94	57 - 138
Toluene	100	90.7		ug/L		91	66 - 127
1,2,4-Trimethylbenzene	100	90.4		ug/L		90	60 - 131
1,3,5-Trimethylbenzene	100	94.6		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*135*	*X*	*80 - 120*

Lab Sample ID: LCSD 490-85413/14 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85413

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	100	86.5		ug/L		86	69 - 129	3	33

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCSD 490-85413/14 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85413

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	100	89.9		ug/L		90	70 - 130	5	35
Methyl tert-butyl ether	100	92.0		ug/L		92	57 - 138	3	40
Toluene	100	88.1		ug/L		88	66 - 127	3	34
1,2,4-Trimethylbenzene	100	84.6		ug/L		85	60 - 131	7	43
1,3,5-Trimethylbenzene	100	87.8		ug/L		88	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*169*	*X*	*80 - 120*

Lab Sample ID: MB 490-85721/12 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85721

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/12/13 11:36	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/12/13 11:36	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/12/13 11:36	1
Toluene	<0.33		0.50	0.33	ug/L			06/12/13 11:36	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/12/13 11:36	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/12/13 11:36	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/12/13 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*107*		*80 - 120*		*06/12/13 11:36*	*1*

Lab Sample ID: LCS 490-85721/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85721

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	100	89.3		ug/L		89	69 - 129
Ethylbenzene	100	94.3		ug/L		94	70 - 130
Methyl tert-butyl ether	100	94.4		ug/L		94	57 - 138
Toluene	100	90.7		ug/L		91	66 - 127
1,2,4-Trimethylbenzene	100	90.4		ug/L		90	60 - 131
1,3,5-Trimethylbenzene	100	94.6		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*147*	*X*	*80 - 120*

Lab Sample ID: LCSD 490-85721/6 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85721

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	100	86.5		ug/L		86	69 - 129	3	33
Ethylbenzene	100	89.9		ug/L		90	70 - 130	5	35

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCSD 490-85721/6 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85721

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	100	92.0		ug/L		92	57 - 138	3	40
Toluene	100	88.1		ug/L		88	66 - 127	3	34
1,2,4-Trimethylbenzene	100	84.6		ug/L		85	60 - 131	7	43
1,3,5-Trimethylbenzene	100	87.8		ug/L		88	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*169*	*X*	*80 - 120*

Lab Sample ID: MB 490-85948/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85948

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.36		0.50	0.36	ug/L			06/13/13 10:01	1
Ethylbenzene	<0.37		0.50	0.37	ug/L			06/13/13 10:01	1
Methyl tert-butyl ether	<0.24		0.50	0.24	ug/L			06/13/13 10:01	1
Toluene	<0.33		0.50	0.33	ug/L			06/13/13 10:01	1
1,2,4-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/13/13 10:01	1
1,3,5-Trimethylbenzene	<0.30		0.50	0.30	ug/L			06/13/13 10:01	1
Xylenes, Total	<0.58		1.5	0.58	ug/L			06/13/13 10:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*95*		*80 - 120*		*06/13/13 10:01*	*1*

Lab Sample ID: LCS 490-85948/15 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	100	90.5		ug/L		91	69 - 129
Ethylbenzene	100	93.1		ug/L		93	70 - 130
Methyl tert-butyl ether	100	91.4		ug/L		91	57 - 138
Toluene	100	92.3		ug/L		92	66 - 127
1,2,4-Trimethylbenzene	100	91.9		ug/L		92	60 - 131
1,3,5-Trimethylbenzene	100	94.3		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*120*		*80 - 120*

Lab Sample ID: LCSD 490-85948/16 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85948

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	100	91.6		ug/L		92	69 - 129	1	33
Ethylbenzene	100	93.9		ug/L		94	70 - 130	1	35
Methyl tert-butyl ether	100	92.2		ug/L		92	57 - 138	1	40

Method: WDNR - Wisconsin - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCSD 490-85948/16 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 85948

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	100	93.6		ug/L		94	66 - 127	1	34
1,2,4-Trimethylbenzene	100	93.5		ug/L		93	60 - 131	2	43
1,3,5-Trimethylbenzene	100	96.2		ug/L		96	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*116*		*80 - 120*

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

Lab Sample ID: MB 500-189406/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189465 — **Prep Batch: 189406**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		06/11/13 18:15	06/12/13 08:57	1
PCB-1221	<7.3		17	7.3	ug/Kg		06/11/13 18:15	06/12/13 08:57	1
PCB-1232	<7.3		17	7.3	ug/Kg		06/11/13 18:15	06/12/13 08:57	1
PCB-1242	<5.5		17	5.5	ug/Kg		06/11/13 18:15	06/12/13 08:57	1
PCB-1248	<6.6		17	6.6	ug/Kg		06/11/13 18:15	06/12/13 08:57	1
PCB-1254	<3.6		17	3.6	ug/Kg		06/11/13 18:15	06/12/13 08:57	1
PCB-1260	<8.2		17	8.2	ug/Kg		06/11/13 18:15	06/12/13 08:57	1
Polychlorinated biphenyls, Total	<3.2		17	3.2	ug/Kg		06/11/13 18:15	06/12/13 08:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*50 - 116*	*06/11/13 18:15*	*06/12/13 08:57*	*1*
DCB Decachlorobiphenyl	*89*		*48 - 142*	*06/11/13 18:15*	*06/12/13 08:57*	*1*

Lab Sample ID: LCS 500-189406/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189465 — **Prep Batch: 189406**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	167	158		ug/Kg		95	59 - 110
PCB-1260	167	166		ug/Kg		99	69 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*72*		*50 - 116*
DCB Decachlorobiphenyl	*96*		*48 - 142*

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC)

Lab Sample ID: MB 500-188787/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 188833 — **Prep Batch: 188787**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
WI Diesel Range Organics (C10-C28)	<1.6		4.0	1.6	mg/Kg		06/06/13 08:40	06/06/13 15:35	1

Method: WI-DRO - Wisconsin - Diesel Range Organics (GC) (Continued)

Lab Sample ID: MB 500-188787/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 188833 — **Prep Batch: 188787**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Nonane	78		44 - 148	06/06/13 08:40	06/06/13 15:35	1

Lab Sample ID: LCS 500-188787/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 188833 — **Prep Batch: 188787**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
WI Diesel Range Organics (C10-C28)	20.0	18.9		mg/Kg		94	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Nonane	77		44 - 148

Lab Sample ID: LCSD 500-188787/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 188833 — **Prep Batch: 188787**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
WI Diesel Range Organics (C10-C28)	20.0	18.9		mg/Kg		95	70 - 120	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Nonane	80		44 - 148

Method: 6010B - Metals (ICP)

Lab Sample ID: LCS 500-189181/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189290 — **Prep Batch: 189181**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.0907		mg/L		91	80 - 120
Barium	0.500	0.471	J	mg/L		94	80 - 120
Cadmium	0.0500	0.0471		mg/L		94	80 - 120
Chromium	0.200	0.195		mg/L		98	80 - 120
Copper	0.250	0.242		mg/L		97	80 - 120
Lead	0.100	0.0988		mg/L		99	80 - 120
Nickel	0.500	0.478		mg/L		96	80 - 120
Selenium	0.100	0.0861		mg/L		86	80 - 120
Silver	0.0500	0.0466		mg/L		93	80 - 120
Zinc	0.500	0.487		mg/L		97	80 - 120

Lab Sample ID: LB 500-189113/1-B LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 189290 — **Prep Batch: 189181**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		06/10/13 09:08	06/10/13 18:22	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LB 500-189113/1-B LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 189290 — **Prep Batch: 189181**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.010		0.50	0.010	mg/L		06/10/13 09:08	06/10/13 18:22	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		06/10/13 09:08	06/10/13 18:22	1
Chromium	<0.010		0.025	0.010	mg/L		06/10/13 09:08	06/10/13 18:22	1
Copper	<0.010		0.025	0.010	mg/L		06/10/13 09:08	06/10/13 18:22	1
Lead	<0.0050		0.050	0.0050	mg/L		06/10/13 09:08	06/10/13 18:22	1
Nickel	<0.010		0.025	0.010	mg/L		06/10/13 09:08	06/10/13 18:22	1
Selenium	<0.010		0.050	0.010	mg/L		06/10/13 09:08	06/10/13 18:22	1
Silver	<0.0050		0.025	0.0050	mg/L		06/10/13 09:08	06/10/13 18:22	1
Zinc	<0.020		0.10	0.020	mg/L		06/10/13 09:08	06/10/13 18:22	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-189228/7-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189379 — **Prep Batch: 189228**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000020		0.00020	0.000020	mg/L		06/10/13 15:00	06/11/13 08:59	1

Lab Sample ID: LCS 500-189228/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189379 — **Prep Batch: 189228**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00212		mg/L		106	80 - 120

Lab Sample ID: LB 500-189113/1-C LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 189379 — **Prep Batch: 189228**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000020		0.00020	0.000020	mg/L		06/10/13 15:00	06/11/13 09:52	1

Method: 9014 - Cyanide

Lab Sample ID: MB 500-188630/10-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 188892 — **Prep Batch: 188630**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.17		0.50	0.17	mg/Kg		06/06/13 09:10	06/06/13 14:18	1

Lab Sample ID: LCS 500-188630/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 188892 — **Prep Batch: 188630**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.00	5.33		mg/Kg		107	80 - 120

QC Sample Results

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-189818/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189887 — **Prep Batch: 189818**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<6.3		10	6.3	mg/Kg		06/14/13 11:30	06/14/13 16:20	1

Lab Sample ID: LCS 500-189818/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 189887 — **Prep Batch: 189818**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			185	178		mg/Kg		96	80 - 120		

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Client Sample ID: GP-13-1

Lab Sample ID: 500-57621-1
Date Collected: 06/03/13 08:50
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 12:17	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 14:05	BH	TAL NSH
Total/NA	Analysis	WDNR		1	85413	06/11/13 18:08	AC	TAL NSH

Client Sample ID: GP-13-2

Lab Sample ID: 500-57621-2
Date Collected: 06/03/13 08:45
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 12:40	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 14:37	BH	TAL NSH
Total/NA	Analysis	WDNR		1	85413	06/11/13 18:40	AC	TAL NSH

Client Sample ID: GP-13-3

Lab Sample ID: 500-57621-3
Date Collected: 06/03/13 09:10
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 13:04	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 15:08	BH	TAL NSH

Client Sample ID: GP-13-5

Lab Sample ID: 500-57621-4
Date Collected: 06/03/13 09:30
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 13:28	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 15:39	BH	TAL NSH
Total/NA	Analysis	WDNR		1	85948	06/13/13 14:32	AC	TAL NSH

Client Sample ID: GP-13-6

Lab Sample ID: 500-57621-5
Date Collected: 06/03/13 09:45
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 14:15	GES	TAL CHI
Total/NA	Prep	3510C	DL		188536	06/04/13 17:36	JP	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Client Sample ID: GP-13-6

Lab Sample ID: 500-57621-5
Date Collected: 06/03/13 09:45
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D	DL	5	189168	06/10/13 15:48	PMF	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 16:10	BH	TAL NSH
Total/NA	Analysis	WDNR		1	85721	06/12/13 12:40	AC	TAL NSH

Client Sample ID: GP-13-8

Lab Sample ID: 500-57621-6
Date Collected: 06/03/13 10:00
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 14:39	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 16:41	BH	TAL NSH

Client Sample ID: GP-13-9

Lab Sample ID: 500-57621-7
Date Collected: 06/03/13 11:00
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 15:03	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 17:12	BH	TAL NSH

Client Sample ID: GP-13-10

Lab Sample ID: 500-57621-8
Date Collected: 06/03/13 10:35
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 15:26	GES	TAL CHI
Total/NA	Prep	3510C	DL		188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D	DL	10	189168	06/10/13 16:37	PMF	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 17:43	BH	TAL NSH
Total/NA	Analysis	WDNR		1	85721	06/12/13 13:11	AC	TAL NSH

Client Sample ID: GP-13-11

Lab Sample ID: 500-57621-9
Date Collected: 06/03/13 10:20
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 15:50	GES	TAL CHI
Total/NA	Prep	3510C	DL		188536	06/04/13 17:36	JP	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Client Sample ID: GP-13-11

Lab Sample ID: 500-57621-9
Date Collected: 06/03/13 10:20
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D	DL	10	189943	06/16/13 19:00	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 18:15	BH	TAL NSH

Client Sample ID: GP-13-13

Lab Sample ID: 500-57621-10
Date Collected: 06/03/13 13:50
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 16:14	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 20:20	BH	TAL NSH

Client Sample ID: GP-13-14

Lab Sample ID: 500-57621-11
Date Collected: 06/03/13 08:20
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 16:38	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 20:51	BH	TAL NSH

Client Sample ID: MW-2R

Lab Sample ID: 500-57621-12
Date Collected: 06/03/13 11:40
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 17:03	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 21:22	BH	TAL NSH

Client Sample ID: MW-4

Lab Sample ID: 500-57621-13
Date Collected: 06/03/13 12:10
Matrix: Ground Water
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			188536	06/04/13 17:36	JP	TAL CHI
Total/NA	Analysis	8270D		1	188935	06/07/13 17:27	GES	TAL CHI
Total/NA	Analysis	WDNR		1	84603	06/07/13 21:54	BH	TAL NSH

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Client Sample ID: Trip Blank — Lab Sample ID: 500-57621-14

Date Collected: 06/03/13 00:00 — **Matrix: Water**
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	WDNR		1	84603	06/07/13 13:34	BH	TAL NSH

Client Sample ID: GP-13-9/10 Composite — Lab Sample ID: 500-57621-15

Date Collected: 06/03/13 00:00 — **Matrix: Solid**
Date Received: 06/04/13 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			189534	06/12/13 13:50	DB	TAL CHI
TCLP	Analysis	8260B		20	189631	06/13/13 16:14	BBS	TAL CHI
TCLP	Leach	1311			189113	06/09/13 12:00	MP	TAL CHI
TCLP	Prep	3510C			189264	06/10/13 17:31	JP	TAL CHI
TCLP	Analysis	8270C		1	189308	06/11/13 15:03	AD	TAL CHI
Total/NA	Prep	WI DRO PREP			188787	06/06/13 08:40	DAK	TAL CHI
Total/NA	Analysis	WI-DRO		50	188833	06/07/13 09:55	SAW	TAL CHI
Total/NA	Prep	3541			189406	06/11/13 18:15	DEA	TAL CHI
Total/NA	Analysis	8082		1	189465	06/12/13 09:25	GMO	TAL CHI
TCLP	Leach	1311			189113	06/09/13 12:00	MP	TAL CHI
TCLP	Prep	3010A			189181	06/10/13 09:08	LAH	TAL CHI
TCLP	Analysis	6010B		1	189290	06/10/13 21:02	PJ	TAL CHI
TCLP	Leach	1311			189113	06/09/13 12:00	MP	TAL CHI
TCLP	Prep	7470A			189228	06/10/13 15:00	BJB	TAL CHI
TCLP	Analysis	7470A		1	189379	06/11/13 09:56	BJB	TAL CHI
Total/NA	Analysis	Moisture		1	188487	06/04/13 11:51	CMV	TAL CHI
Total/NA	Analysis	Moisture		1	188487	06/04/13 11:51	CMV	TAL CHI
Total/NA	Analysis	9095A		1	188491		APW	TAL CHI
					(Start)	06/04/13 12:59		
					(End)	06/04/13 13:04		
Total/NA	Analysis	1010		1	188497		APW	TAL CHI
					(Start)	06/04/13 15:49		
					(End)	06/04/13 16:32		
Total/NA	Prep	9010B			188630	06/06/13 09:10	EAT	TAL CHI
Total/NA	Analysis	9014		1	188892		EAT	TAL CHI
					(Start)	06/06/13 14:19		
					(End)	06/06/13 14:20		
Total/NA	Analysis	9045C		1	189348		AAS	TAL CHI
					(Start)	06/10/13 15:08		
					(End)	06/10/13 15:13		
Total/NA	Analysis	SM 2710F		1	189776		APW	TAL CHI
					(Start)	06/13/13 11:53		
					(End)	06/13/13 12:04		
Total/NA	Prep	9030B			189818	06/14/13 11:30	AAS	TAL CHI
Total/NA	Analysis	9034		1	189887	06/14/13 16:30	AAS	TAL CHI

Lab Chronicle

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: TRC Environmental Corporation.
Project/Site: WISDOT - Bliffert - 202083.0000.0000

TestAmerica Job ID: 500-57621-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	06-30-13 *
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	06-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	07-15-13

Laboratory: TestAmerica Nashville

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

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-14
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13 *
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13

* Expired certification is currently pending renewal and is considered valid.

Laboratory: TestAmerica Nashville (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	02-28-14
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-14
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.

500-57621 COC

(optional)
Report To
Contact: Ken Yass / Andrew Heath
Company: TRC
Address: 150 N Patrick Blvd
Address: Ste 180 Brookfield WI
Phone: 262-901-2153
Fax:
E-Mail: AHeath@TRCsolutions.com

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-57621

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 2.6

Client: TRC
Client Project#: 202083
Project Name: Bliffert
Project Location/State: WI
Lab Project #:
Sampler: DH
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	PVOCs (Preservative 1)	PAHs (Preservative 8)								Comments
1		6P-13-1	6-3-13	0850	4	GW	X	X								
2		6P-13-2		0845			X	X								
3		6P-13-3		0910			X	X								
4		6P-13-5		0930			X	X								
5		6P-13-6		0945			X	X								
6		6P-13-8		1000			X	X								
7		6P-13-9		1100			X	X								
8		6P-13-10		1035			X	X								
9		6P-13-11		1020			X	X								
10		6P-13-13		1350			X	X								

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days X 10 Days ___ 15 Days _____ Other
Requested Due Date _____

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

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	TRC	6-3-13	1700	[signature]	TA	6/4/13	1010

Lab Courier
Shipped FX
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

500-57621

(Please Print Clearly)	
Company Name:	PRC
Branch/Location:	
Project Contact:	Andrew Heeter
Phone:	262-901-2153
Project Number:	202083
Project Name:	Bitfert
Project State:	
Sampled By (Print):	DH
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC	PAH	Protocol B	DRO	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO) Y/N											
PRESERVATION (CODE)* Pick Letter					B	A	A	A			
11	6P-13-14	6-3-13	0820	GW	X	X					
12	MW-2R	↓	1140	↓	X	X					
13	MW-4		1210		X	X					
14	Trip Blank	↓	—	↓	X						
15	6P-13-9/10 composite	6-3-13	—	S			X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	6-3-13 / 1700		6/4/13 1010

PACE Project No.
Receipt Temp = °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FO

500-57621 Chain of Custody

Cooler Received/Opened On___6/5/2013 @ 0815_____

1. Tracking #_____2146_____(last 4 digits, FedEx)

Courier: ____Fedex_____ IR Gun ID_____17960358_____

2. Temperature of rep. sample or temp blank when opened: 0.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 front + back

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) EA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

6/18/2013

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

6/18/2013

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-35436.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc				Job #: 500-57621-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 6/11/2013			
City: Nashville	TAT Requested (days):			
State, Zip: TN, 37204				
Phone: 615-726-0177(Tel) 615-726-0954(Fax)	PO #:			
Email:	WO #:			
Project Name: WISDOT	Project #: 50006705			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	WI_GRO/6030B (MOD) PVOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GP-13-1 (500-57621-1)	6/3/13	08:50 Central		Water			X	3	Minus Nap
GP-13-2 (500-57621-2)	6/3/13	08:45 Central		Water			X	3	Minus Nap
GP-13-3 (500-57621-3)	6/3/13	09:10 Central		Water			X	3	Minus Nap
GP-13-5 (500-57621-4)	6/3/13	09:30 Central		Water			X	3	Minus Nap
GP-13-6 (500-57621-5)	6/3/13	09:45 Central		Water			X	3	Minus Nap
GP-13-8 (500-57621-6)	6/3/13	10:00 Central		Water			X	3	Minus Nap
GP-13-9 (500-57621-7)	6/3/13	11:00 Central		Water			X	3	Minus Nap
GP-13-10 (500-57621-8)	6/3/13	10:35 Central		Water			X	3	Minus Nap
GP-13-11 (500-57621-9)	6/3/13	10:20 Central		Water			X	3	Minus Nap
GP-13-13 (500-57621-10)	6/3/13	13:50 Central		Water			X	3	Minus Nap
GP-13-14 (500-57621-11)	6/3/13	08:20 Central		Water			X	3	Minus Nap

Loc: 500
57621

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Possible Hazard Identification
Unconfirmed

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Sherri Foote	Date/Time: 6/4/13 1430	Company TA-CHI	Received by: 0.7	Date/Time: 6-5-13 08:15	Company TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

6/18/2013

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-35436.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandie.fredrick@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc				Job #: 500-57621-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 6/11/2013			
City: Nashville	TAT Requested (days):			
State, Zip: TN, 37204				
Phone: 615-726-0177(Tel) 615-726-0954(Fax)	PO #:			
Email:	WO #:			
Project Name: WISDOT	Project #: 50006705			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	WI_GRO/5030B (MOD) PVOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-2R (500-57621-12)	6/3/13	11:40 Central		Water			X	3	Minus Nap
MW-4 (500-57621-13)	6/3/13	12:10 Central		Water			X	3	Minus Nap
Trip Blank (500-57621-14)	6/3/13	Central		Water			X	2	Minus Nap

Loc: 500
57621

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Possible Hazard Identification
Unconfirmed

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Sherri Scott	6/4/13 1430	TA-CHI	[illegible] 0.7	6-5-13 08:15	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-57621-1

Login Number: 57621

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.6
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: TRC Environmental Corporation.

Job Number: 500-57621-1

Login Number: 57621
List Number: 1
Creator: Ford, Easton

List Source: TestAmerica Nashville
List Creation: 06/05/13 06:20 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	