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To: DISTRIBUTION

**Re: Surface Water, Flow and Water Level Monitoring
Fourth Quarter 2008
Lemon Lane Landfill, Bloomington, Monroe County, Indiana**

1.0 BACKGROUND

This report summarizes the results of groundwater, surface water and water level monitoring work completed by CBS Corporation during the fourth quarter of 2008 at the Lemon Lane Landfill site.

Monthly and quarterly groundwater and surface water monitoring was performed at a total of five locations (springs and streams) in accordance with monitoring requirements outlined in the April 2003 Long-Term Groundwater Monitoring Plan for Lemon Lane Landfill, QAPjP Volume XXXIII. Continuous monitoring of water levels was also performed at one location.

2.0 SURFACE WATER MONITORING

The monitoring work described in this report was performed on November 20 and December 16, 2008 and January 23, 2009. The three month time period from November 2008 through January 2009 constituted the fourth reporting quarter for Lemon Lane Landfill for 2008.

Scope of Work

The scope of surface water sampling for this monitoring period comprised monthly and quarterly sampling stipulated in the Long-Term Groundwater Monitoring Plan, as summarized in Table 1.

Surface water sampling was performed at the following locations:

- Quarry Springs
- Illinois Central Spring
- Quarry B Spring
- Quarry A +C Springs
- Quarry A Spring
- Rinker Spring
- Slaughterhouse Spring

The approximate locations of these stations are shown on Figure 1, Monitoring and Sampling Locations.

Quarry Springs Observation and Sampling

There are several spring emergences that are known collectively as the Quarry Springs. Historically, the three main ones have been referred to as Quarry A, Quarry B and Quarry C Springs. The monthly monitoring samples have been samples of the combined discharges of all of the Quarry springs flowing at the time of sample collection. Since January 2004, observations of flow conditions in the Illinois Central Swallowhole area and the Quarry Springs area have been a routine part of the monthly non-storm monitoring & sampling program.

Beginning with the September 2004 monthly sampling event, separate samples from Quarry B Spring and from the Quarry A+C Springs combined flow were collected when adequate flow conditions were observed. In November 2004, Quarry A Spring was added to the list of springs to be sampled monthly, adequate flow permitting. Monthly sampling of Rinker Spring began in May 2005.

Sample Collection and Handling

Samples at the spring locations were collected by carefully filling a new disposable beaker. The water was transferred from the beaker into pre-cleaned amber glass 1-liter bottles supplied by the analytical laboratory. Routine sampling parameters including temperature and conductivity were measured and recorded. Spring flow was also estimated and recorded.

Samples were analyzed by Heritage Lab of Indianapolis, Indiana. The samples were analyzed to a detection limit of 0.1 parts per billion (ppb) for all PCB parameters (except Aroclor 1221; detection limit 0.2 ppb) by EPA SW-846 method 8082. Samples were also analyzed for total suspended solids (TSS) by EPA method 160.2.

Quality Assurance

For quality assurance purposes a duplicate sample and a field blank were collected during each sampling event. All environmental and blank samples were labeled and logged onto a chain-of-custody form. The samples were stored and transported on ice in insulated coolers. CBS maintained custody of the water samples until shipment to the analytical laboratory. Samples LL13231, LL13238 and LL13247 were the field blanks for the sampling events reported herein. No PCBs were detected in any of these blank samples.

Analytical Results for Surface Water Samples

Field parameter measurements, PCB analytical results, and QA/QC results for water samples collected during this reporting period are reported in Table 2 - Quarry Springs (combined flow), Table 3 - Quarry Spring A, Table 4 - Quarry Spring B, Table 5 - Quarry Springs A+ C, Table 6 - Illinois Central Spring, Table 7 - Rinker Spring, and Table 8 - Slaughterhouse Spring. Historical

(post-remediation) results are also provided in these tables. Copies of the chain-of-custody forms are provided in Appendix A. Copies of the certificates of analysis are provided in Appendix B. A validation summary for these samples appears in Appendix C. Copies of the field sampling data sheets are on file at PSARA's Bloomington Branch Office.

3.0 CONTINUOUS FLOW AND WATER LEVEL MONITORING

The purpose of flow and water level monitoring is to evaluate site-specific data characterizing site hydrologic response under storm and non-storm conditions, and to evaluate correlations between PCB concentrations, spring flow and groundwater elevations.

Scope of Work

The scope of groundwater level and flow monitoring during this reporting period involved the use of dedicated instrumentation to record water level and other parameters as summarized in Table 9. Water level transducers and data logging equipment and piezometer crest gauges were operated during all or part of the period from November 2008 through January 2009. The approximate locations of the stations in which these instruments were used are shown on Figure 1, Monitoring and Sampling Locations.

Flow and Water Level Plots

The following plots of the monitored stations for this reporting period are attached:

- MW-06 water elevation and temperature
- MW-06 water elevation and cumulative rainfall

The plots are annotated with dates of instrument installation or removal and other field activities of interest.

On January 8, 2009, it was discovered that vandals had damaged the MW-06 instrument beyond repair. A more robust well-top locking cover was fabricated and installed, and a replacement instrument was ordered. The new instrument was installed and logging resumed on February 5, 2009. There is a gap in continuous logging data from December 14, 2008 until February 5, 2009.

Quality Assurance

As a quality assurance check in documenting rain events and changes in flow and groundwater level, rainfall records were obtained from the recording rain gauge at PSARA Technologies Bloomington office and, if necessary, from those at Monroe County Airport, Indiana University and the Illinois Central Spring Treatment Facility. Rain events of approximately 0.25 inches or more are indicated on the flow and water level plots.

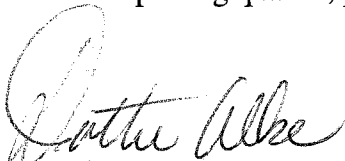
As a further data quality check, manual water level measurements were made after significant storm events. The purpose of the manual checks was to verify instrument readings. Manual field check data collected during this reporting quarter are shown on the data plots.

A complete instrument maintenance log for all of the Lemon Lane Landfill installations is attached as Appendix D. This log details the installation, re-indexing, and maintenance history of the transducer and data logger present at Lemon Lane Landfill during the reporting quarter.

Crest Gauges

Table 10 comprises crest gauge observations for the four landfill cap piezometers since November 2002. Crest gauge observations during the fourth reporting quarter of 2009 did not indicate water rising into any of the piezometers, with one exception. The crest gauge in PZ-BS indicated in the December 11, 2008 reading that water had risen 0.50 feet, though there was no water in the piezometer on that date. The quarter's largest rain event was on the two preceding days, December 9-10, 2008. Total rain for those two days was between 1.6 and 2 inches.

If you have questions regarding the sampling and flow/water level monitoring activities or findings for this reporting quarter, please call Mike McCann at (812) 335-0424.



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BP:10-0038

Attachments

DISTRIBUTION

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BP Files

TABLES

Table 1. Scope of Groundwater, Surface Water and Other Monitoring Activities
for the Lemon Lane Landfill
Bloomington, Monroe County, Indiana

Monitoring Station	Parameter ^a	Frequency	Other Requirements/ Comment
<u>Routine Monitoring</u>			
Illinois Central Spring Quarry Spring	PCB, T, C	Monthly non-storm	Measure conductivity and flow by continuous monitoring; by hand during sampling.
Slaughterhouse Spring	PCB, TSS	Quarterly non-storm	Install small weir or flume; measure conductivity by hand and estimate flow using staff gauge.
<u>Storm Sampling</u>			
Illinois Central Spring	PCB, Flow, T, C, TSS	At least two (2) events per year	At least 1,200 gpm flow from ICS
Slaughterhouse Spring	PCB, Flow, T, C, TSS	Two (2) storm events	1) at least 1,200 gpm flow at ICS 2) peak flow < 230 gpm at ICS
<u>Piezometer Monitoring</u>			
PZ-AS, AD, BS, BD	W	Quarterly	Crest gauges or continuous level recorder if significant water develops
<u>Well Monitoring</u>			
MW-6	W	Continuous	Continuous level recorder
<u>Fish / Sediment Sampling</u>			
Clear Creek and ICS/QS Branch of Clear Creek	PCB, TSS	Second half of 2005	

^aParameters: PCB=polychlorinated biphenyl; W=water level; T=temperature; C=conductivity; TSS= Total Suspended Solids.

Table 2. Post-Remediation PCB Results
 Quarry Springs, Combined
 Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow ^b , gal/min
LL13242	23-Jan-09	0.72	Y	33	694	11.5	30
LL13235	16-Dec-08	0.56	Y	17	702	10.8	80
LL13227	20-Nov-08	0.69	Y	21	722	12.7	50
LL13220	21-Oct-08	1.1	Y	64	743	15.2	40
LL13199	11-Sep-08	0.90	Y	57	681	17.3	30
LL13192	12-Aug-08	0.91	Y	23	735	17.8	30
LL13184	17-Jul-08	0.82	Y	25	635	16.2	140
LL13176	18-Jun-08	1.8	Y	11	531	14.9	400
LL13110	28-May-08	0.61	Y	10	650	15.1	90
LL13099	18-Apr-08	0.58	Y	1	613	13.2	270
LL13091	12-Mar-08	0.58	Y	17	601	11.4	450
LL13083	28-Feb-08	0.71	Y	26	735	11.2	300
LL13075	16-Jan-08	0.43	Y	13	680	11.1	180
LL13066	19-Dec-07	0.49	Y	18	727	12.4	200
LL13058	20-Nov-07	0.52	Y	11	783	15.1	25
LL13052	12-Oct-07	0.88	Y	36	782	15.5	12
LL13046	25-Sep-07	1.4	Y	140	691	18.9	12
LL13040	20-Aug-07	0.72	Y	7	755	21.5	15
LL13033	12-Jul-07	0.65	Y	9	700	17	100
LL13026	14-Jun-07	0.71	Y	6	699	17.7	35
LL13019	18-May-07	0.64	Y	11	701	17.8	40
LL13010	17-Apr-07	0.52	Y	17	583	13.3	400
LL12995	13-Mar-07	0.61	Y	9	626	13.3	180
LL12970	23-Feb-07	0.77	Y	11	511	10.9	1000
LL12962	11-Jan-07	0.67	Y	21	491	10.9	800
LL12953	15-Dec-06	0.79	Y	10	530	12.6	400
LL12945	27-Nov-06	0.65	Y	29	631	13.8	140
LL12937	10-Oct-06	0.85	Y	28	707	16.3	80
LL12929	08-Sep-06	1	Y	30	701	17.9	35
LL12922	22-Aug-06	0.67 K	Y	39	738	18	100
LL12915	19-Jul-06	0.72	Y	13	716	18.2	45
LL12888	30-Jun-06	0.66	Y	14	633	15.2	250
LL12880	23-May-06	0.60	Y	10	628	14.5	100
LL12871	10-Apr-06	1.1	Y	8	512	14.3	1000
LL12861	07-Mar-06	0.77	Y	36	678	13.0	50
LL12851	08-Feb-06	0.63	Y	22	629	11.4	550
LL12836	16-Jan-06	0.57	Y	15	521	12.3	400
LL12827	08-Dec-05	0.56	Y	30	674	10.9	150
LL12819	01-Dec-05	0.48	Y	19	614	12.7	250
LL12791	31-Oct-05	0.66	Y	35	751	15.1	60
LL12782	30-Sep-05	0.88	Y	24	639	14.6	200
LL12657	29-Aug-05	0.64	Y	17	725	17.0	60
LL12622	29-Jul-05	0.76	Y	5	716	NR	80
LL12587A	21-Jun-05	0.73	Y	25	649	16.3	100
LL12521	17-May-05	0.65 J	Y	22	624	14.2	250
LL12513	18-Apr-05	0.60	Y	18	681	14.3	100
LL12429	18-Mar-05	0.81	Y	19	683	12.8	100
LL12376	25-Feb-05	0.62	Y	19	702	11.6	80
LL12369	28-Jan-05	1.8	Y	77	665	10.8	135°
LL12229	16-Dec-04	0.58	Y	30	661	12.1	150
LL12187	18-Nov-04	0.67	Y	35	700	15.2	70

Continued

Table 2. Post-Remediation PCB Results
 Quarry Springs, Combined
 Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow ^b , gal/min
LL12150	06-Oct-04	0.66	Y	29	746	16.0	15
LL12144	09-Sep-04	1.0	Y	55	726	17.0	40
LL12116	06-Aug-04	0.54	Y	25	727	18.3	30
LL12081	16-Jul-04	0.72	Y	14	612	15.9	300
LL11996	14-Jun-04	0.84	Y	18	685	17.5	60
LL11771	05-May-04	0.82	Y	27	713	15.2	50
LL11738	19-Apr-04	0.84	Y	24	691	14.8	70
LL11554	09-Mar-04	0.71	Y	16	639	12.0	400
LL11550	13-Feb-04	0.81	Y	29	733	10.4	200
LL11546	14-Jan-04	2.0	Y	50	611	10.9	200
LL11541	09-Dec-03	0.92	Y	35	645	12.6	150
LL11378	05-Nov-03	0.66	Y	27	728	13.8	120
LL11256	08-Oct-03	0.9	Y	25	734	16.0	50
LL11203	09-Sep-03	1	Y	44	671	17.2	60
LL11172	05-Aug-03	1.1	Y	27	678	16.5	150
LL11125	09-Jul-03	0.81	Y	9	719	20.1	30
LL11120	02-Jun-03	1.0	Y	37	708	14.0	150
LL11116	14-May-03	0.98	Y	11	544	14.2	800
LL11099	10-Apr-03	0.38	Y	43	689	13.6	200
LL11077	17-Mar-03	0.64	Y	36	643	13.0	200
LL11072	07-Feb-03	1.2	Y	34	784	9.3	40
LL11065	10-Jan-03	0.96	Y	39	660	10.0	50
LL10970	03-Dec-02	0.42	Y	38	710	8.8	20
LL10965	12-Nov-02	0.69	Y	32	622	13.5	90
LL10960	11-Oct-02	1.1	Y	66	704	16.0	70
LL10943	04-Sep-02	1.7	Y	39	729	19.3	25
LL10914	08-Aug-02	1.5	Y	44	695	21.5	20
LL10896	17-Jul-02	1.7	Y	56	683	17.9	50
LL10883	10-Jun-02	0.95	Y	8	482	19.6	140
LL10861	21-May-02	1.3	Y	22	576	13.3	NR ^d
LL10788	11-Apr-02	0.70	Y	10	604	14.0	125
LL10764	14-Mar-02	0.85	Y	15	467	13.5	300
LL10745	13-Feb-02	1.0	Y	13	604	12.3	100
LL10724	22-Jan-02	1.1	Y	6	724	11.4	15
LL10719	03-Jan-02	0.95	Y	9	680	12.6	10
LL10465	19-Oct-01	0.88	Y	8	642	14.8	80
LL10456	13-Sep-01	1.3	Y	14	646	17.1	50
LL10451	17-Aug-01	1.7	Y	9	620	20.9	12
LL10379	27-Jul-01	0.78	Y	NR	768	20.8	15
LL10351	14-Jun-01	1.8	Y	60	580	17.0	100
LL10204	15-May-01	0.89	Y	46	723	23.2	NR ^d
LL10143	11-Apr-01	1.1	Y	30	628	15.4	225
LL10078	20-Mar-01	1.3	Y	4	692	12.3	NR ^d
LL10063	27-Feb-01	0.37	Y	7	599	11.4	NR ^d
LL10042	17-Nov-00	1.3	Y	13	725	10.2	NR ^d

^aSamples were analyzed to a detection limit of 0.1 parts per billion (ppb) for all PCB parameters except Aroclor 1221 (detection limit 0.2 ppb or 0.5 ppb). Other detection limits may occasionally result from non-normal sample volumes, dilutions, etc.

^bFlow estimated visually.

^cFlow calculated from a set of flow velocity measurements made with a manual meter.

^dFlow estimate not reliable due to beaver dam or other obstruction.

J = Estimated value. The QA/QC data indicated an analytical bias.

K = Estimated value due to QA blank contamination

NR = Not reported.

Table 3. Post-Remediation PCB Results
 Quarry Spring A
 Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow ^b , gal/min
LL13246	23-Jan-09	0.71	Y	16	686	5.8	1
--	16-Dec-08	--	--	--	--	--	Dry
--	20-Nov-08	--	--	--	--	--	Dry
--	21-Oct-08	--	--	--	--	--	Dry
--	11-Sep-08	--	--	--	--	--	Dry
--	12-Aug-08	--	--	--	--	--	Dry
LL13187	17-Jul-08	1.0	Y	8	642	18.3	1
LL13179	18-Jun-08	1.6	Y	10	526	14.4	200
LL13113	28-May-08	0.93	Y	13	628	14.4	1
LL13102	18-Apr-08	0.63	Y	10	601	12.8	50
LL13094	12-Mar-08	0.60	Y	9	591	10.9	100
LL13086	28-Feb-08	0.58	Y	13	694	11.7	70
LL13079	16-Jan-08	0.66	Y	28	660	8.6	20
LL13070	19-Dec-07	0.70	Y	23	761	10.6	5
--	20-Nov-07	--	--	--	--	--	Dry
--	12-Oct-07	--	--	--	--	--	Dry
--	25-Sep-07	--	--	--	--	--	Dry
--	20-Aug-07	--	--	--	--	--	Dry
--	12-Jul-07	--	--	--	--	--	Dry
--	14-Jun-07	--	--	--	--	--	Dry
--	18-May-07	--	--	--	--	--	Dry
LL13013	17-Apr-07	0.61	Y	6	561	12.7	75
LL12998	13-Mar-07	0.72	Y	1	603	13.4	3
LL12973	23-Feb-07	0.91	Y	10	491	10.7	568 ^d
LL12965	11-Jan-07	0.58	Y	9	476	10.6	390 ^d
LL12956	15-Dec-06	1.1	Y	13	507	12.3	200
LL12948	27-Nov-06	0.70	Y	17	631	12.9	3
LL12940	10-Oct-06	0.86	Y	11	706	16.5	2
--	8-Sep-06	--	--	--	--	--	Dry
--	22-Aug-06	--	--	--	--	--	Dry
--	19-Jul-06	--	--	--	--	--	trickle
LL12891	30-Jun-06	0.79	Y	11	639	16.1	5
LL12883	23-May-06	0.88	Y	13	656	13.3	4
LL12874	10-Apr-06	1.2	Y	9	498	14.3	696 ^d
LL12864	7-Mar-06	0.87	Y	5	625	9.6	2
LL12854	8-Feb-06	0.41	Y	5	605	11.9	30
LL12839	16-Jan-06	0.55	Y	13	507	12.1	700 ^d
LL12830	8-Dec-05	0.50	Y	10	676	7.3	2
LL12822	1-Dec-05	0.58	Y	15	604	12.2	45 ^d
LL12794	31-Oct-05	0.40	Y	16	742	12.7	0.5
LL12785	30-Sep-05	0.43	Y	2	623	14.7	127 ^d
LL12660	29-Aug-05	0.96	Y	10	721	18.7	0.5
--	29-Jul-05	--	--	--	--	--	trickle
LL12590A	21-Jun-05	0.97	Y	4	660	17.2	2
LL12525	17-May-05	0.92 J	Y	15	631	13.7	13
--	18-Apr-05	--	--	--	--	--	trickle
LL12429	18-Mar-05	0.81	Y	19	683	12.8	100
LL12379	25-Feb-05	1.1	Y	9	650	11.1	1
LL12375	31-Jan-05	2.9	Y	19	674	9.9	0.1
LL12232	16-Dec-04	0.52	Y	12	638	12.7	4
LL12191	18-Nov-04	0.85	Y	15	665	14.2	1

^aSamples were analyzed to a detection limit of 0.1 parts per billion (ppb) for all PCB parameters except Aroclor 1221 (detection limit 0.2 ppb). Other detection limits may occasionally result from non-normal sample volumes, dilutions, etc.

^bFlow estimated visually.

^cFlow measured by V-notch weir.

^dFlow measured by Parshall flume.

Table 4. Post-Remediation PCB Results
 Quarry Spring B
 Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated ?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow ^b , gal/min
LL13243	23-Jan-09	0.56	Y	3	675	12.5	10
LL13236	16-Dec-08	0.36	Y	2	698	13.1	20
LL13228	20-Nov-08	0.62	Y	9	708	14.3	25
LL13221	21-Oct-08	0.92	Y	20	737	16.3	30
LL13200	11-Sep-08	1.0	Y	26	716	16.8	20
LL13193	12-Aug-08	0.84	Y	5	676	15.9	3
LL13185	17-Jul-08	0.65	Y	14	623	15.2	60
LL13177	18-Jun-08	1.4	Y	10	552	14.1	120
LL13111	28-May-08	0.88	Y	74	629	13.5	25
LL13100	18-Apr-08	0.59	Y	15	616	12.7	170
LL13092	12-Mar-08	0.37	Y	8	616	11.4	150
LL13084	28-Feb-08	0.58 J	Y	11	755	12.3	120
LL13076	16-Jan-08	0.38	Y	10	665	12.5	150
LL13068	19-Dec-07	0.36	Y	25	737	13.5	60
LL13061	20-Nov-07	0.63	Y	6	737	15.2	0.5
--	12-Oct-07	--	--	--	--	--	trickle
--	25-Sep-07	--	--	--	--	--	trickle
--	20-Aug-07	--	--	--	--	--	trickle
LL13034	12-Jul-07	0.59	Y	13	695	15.2	25
LL13027	14-Jun-07	0.92	Y	29	711	15.2	25
LL13020	18-May-07	0.61	Y	37	664	13.5	25
LL13011	17-Apr-07	0.45	Y	12	607	12.6	150
LL12996	13-Mar-07	0.56	Y	8	633	12.4	50
LL12971	23-Feb-07	0.46	Y	13	568	11.6	160
LL12963	11-Jan-07	0.45 K	Y	12	520	12.1	150
LL12954	15-Dec-06	0.43	Y	16	563	13.5	100
LL12946	27-Nov-06	0.50	Y	15	644	13.8	30
LL12938	10-Oct-06	0.73	Y	28	677	15.5	40
LL12930	8-Sep-06	0.82	Y	14	669	16.0	5
LL12923	22-Aug-06	0.73 K	Y	18	729	16.5	10
LL12916	19-Jul-06	0.80	Y	8	685	15.9	0.5
LL12889	30-Jun-06	0.37	Y	21	632	14.4	40
LL12881	23-May-06	0.55	Y	8	618	13.4	25
LL12872	10-Apr-06	0.75	Y	17	552	12.7	114 ^c
LL12862	7-Mar-06	0.63	Y	17	663	12.5	18 ^c
LL12852	8-Feb-06	0.37	Y	11	642	12.7	100
LL12837	16-Jan-06	0.57	Y	14	564	13.0	120
LL12843 (Dup)	16-Jan-06	0.58	Y	13	564	13.0	120
LL12828	8-Dec-05	0.52	Y	18	658	13.2	10 ^c
LL12820	1-Dec-05	0.62	Y	13	627	13.8	55 ^c
LL12792	31-Oct-05	0.60	Y	24	750	15.3	23
LL12783	30-Sep-05	0.45	Y	2	623	14.9	40
LL12658	29-Aug-05	0.66	Y	10	716	17.0	10 ^c
LL12623	29-Jul-05	0.87	Y	11	714	NR	32 ^c
LL12588A	21-Jun-05	0.74	Y	22	624	14.7	35 ^c
LL12522	17-May-05	0.56 J	Y	12	629	13.4	65 ^c
LL12514	18-Apr-05	0.49	Y	15	671	13.0	50
LL12431	18-Mar-05	0.66	Y	10	680	12.6	50
LL12377	25-Feb-05	0.60	Y	18	708	12.4	30
LL12372	28-Jan-05	1.2	Y	18	651	11.9	40
LL12231	16-Dec-04	0.53	Y	21	654	13.3	50
LL12189	18-Nov-04	0.61	Y	14	677	14.5	15
--	6-Oct-04	--	--	--	--	--	trickle
LL12145	9-Sep-04	0.91	Y	14	699	15.9	10

^aSamples were analyzed to a detection limit of 0.1 parts per billion (ppb) for all PCB parameters except Aroclor 1221 (detection limit 0.2 ppb). Other detection limits may occasionally result from non-normal sample volumes, dilutions, etc.

^bFlow estimated visually.

^cFlow measured by V-notch weir.

K = Estimated value due to QA blank contamination

Table 5. Post-Remediation PCB Results
 Quarry Springs A+C
 Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow ^b , gal/min
LL13244	23-Jan-09	0.94	Y	6	742	10.1	15
LL13237	16-Dec-08	0.57	Y	9	744	8.5	30
LL13229	20-Nov-08	1.6	Y	17	767	10.6	15
LL13222	21-Oct-08	1.0	Y	12	766	14.2	20
LL13201	11-Sep-08	1.3	Y	23	711	17.6	6
LL13194	12-Aug-08	1.2	Y	21	759	17.6	15
LL13186	17-Jul-08	1.1	Y	12	689	17.9	65
LL13178	18-Jun-08	1.8	Y	15	547	14.9	160
LL13112	28-May-08	1.0	Y	13	703	15.1	25
LL13101	18-Apr-08	0.62	Y	4	617	13.3	75
LL13093	12-Mar-08	0.59	Y	14	603	11.2	300
LL13085	28-Feb-08	0.84 J	Y	14	777	10.0	140
LL13077	16-Jan-08	0.55	Y	16	708	8.5	50
LL13069	19-Dec-07	0.44	Y	17	768	11.0	40
LL13060	20-Nov-07	0.57	Y	7	809	14.8	24
LL13053	12-Oct-07	0.94	Y	26	785	15.5	8
LL13049	25-Sep-07	1.5	Y	63	719	18.6	8
LL13041	20-Aug-07	0.92	Y	3	758	21.9	10
LL13035	12-Jul-07	0.72	Y	3	724	17.9	50
LL13028	14-Jun-07	0.86	Y	< 1	678	19.7	10
LL13021	18-May-07	0.56	Y	4	716	17.0	12
LL13012	17-Apr-07	0.67	Y	9	590	13.3	130
LL12997	13-Mar-07	0.66	Y	1	645	14.3	40
LL12972	23-Feb-07	0.84	Y	11	504	10.7	750
LL12964	11-Jan-07	0.64	Y	12	487	10.6	400
LL12955	15-Dec-06	0.97	Y	18	523	12.4	300
LL12947	27-Nov-06	0.66	Y	19	661	13.7	60
LL12939	10-Oct-06	0.70	Y	13	727	16.9	40
LL12931	8-Sep-06	0.95	Y	5	723	18.6	30
LL12924	22-Aug-06	0.91 K	Y	32	754	19.5	25
LL12917	19-Jul-06	0.84	Y	2	730	18.2	30
LL12890	30-Jun-06	0.75	Y	5	681	15.8	NR
LL12882	23-May-06	0.77	Y	3	654	15.3	60
LL12873	10-Apr-06	1.3	Y	11	499	14.3	700
LL12863	7-Mar-06	0.60	Y	6	694	12.2	30
LL12853	8-Feb-06	0.43	Y	12	636	10.5	100
LL12838	16-Jan-06	0.61	Y	21	576	13.0	300
LL12829	8-Dec-05	0.59	Y	10	698	8.5	50
LL12821	1-Dec-05	0.64	Y	17	638	11.5	200
LL12793	31-Oct-05	0.62	Y	17	763	14.7	15
LL12784	30-Sep-05	0.46	Y	18	632	14.4	100
LL12659	29-Aug-05	1.2	Y	7	730	18.0	40
LL12624	29-Jul-05	0.80	Y	3	717	NR	48
LL12589A	21-Jun-05	0.75	Y	6	681	17.7	30
LL12523	17-May-05	0.81 J	Y	15	643	14.5	60
LL12515	18-Apr-05	0.68	Y	8	697	14.7	20
LL12430	18-Mar-05	0.80	Y	4	700	12.2	35
LL12378	25-Feb-05	0.64	Y	8	713	10.7	50
LL12371	28-Jan-05	1.5	Y	9	693	8.8	60
LL12230	16-Dec-04	0.66	Y	35	680	10.5	100
LL12188	18-Nov-04	0.86	Y	51	722	15.3	50
LL12151	6-Oct-04	0.80	Y	41	752	16.0	15
LL12146	9-Sep-04	1.1	Y	83	743	17.4	25

^aSamples were analyzed to a detection limit of 0.1 parts per billion (ppb) for all PCB parameters except Aroclor 1221 (detection limit 0.2 ppb). Other detection limits may occasionally result from non-normal sample volumes, dilutions, etc.

^bFlow estimated visually.

K = Estimated value due to QA blank contamination

Table 6. Post-Remediation PCB Results
 Illinois Central Spring
 Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow, gal/min
LL13248	23-Jan-09	17	Y	1	723	12.5	50 ^b
LL13249 (DUP)	23-Jan-09	13	Y	2	723	12.5	50 ^b
LL13240	16-Dec-08	7	Y	2	667	14.4	100 ^b
LL13241 (DUP)	16-Dec-08	9	Y	<1	667	14.4	100 ^b
LL13232	20-Nov-08	18	Y	1	772	12.7	30 ^b
LL13233 (DUP)	20-Nov-08	17	Y	2	772	12.7	30 ^b
LL13225	21-Oct-08	21	Y	<1	810	12.9	25 ^b
LL13226 (DUP)	21-Oct-08	20	Y	<1	810	12.9	25 ^b
LL13204	11-Sep-08	19	Y	<1	796	13.1	22 ^b
LL13205 (DUP)	11-Sep-08	17	Y	<1	796	13.1	22 ^b
LL13197	12-Aug-08	17	Y	<1	754	13.0	40 ^c
LL13198 (DUP)	12-Aug-08	16	Y	<1	754	13.0	40 ^c
LL13190	17-Jul-08	7.8	Y	4	653	13.3	100 ^b
LL13191 (DUP)	17-Jul-08	7.9	Y	7	653	13.3	100 ^b
LL13182	18-Jun-08	9.2	Y	9	524	13.6	360 ^b
LL13183 (DUP)	18-Jun-08	11.0	Y	10	524	13.6	360 ^b
LL13116	28-May-08	9.5	Y	<1	631	12.7	80 ^c
LL13117 (DUP)	28-May-08	8.4	Y	<1	631	12.7	80 ^c
LL13105	18-Apr-08	7.3	Y	<1	612	12.5	225 ^b
LL13106 (DUP)	18-Apr-08	7.4	Y	<1	612	12.5	225 ^b
LL13097	12-Mar-08	4.2	Y	<1	649	12.6	270 ^c
LL13098 (DUP)	12-Mar-08	3.8	Y	<1	649	12.6	270 ^c
LL13089	28-Feb-08	4.7 J	Y	<1	700	12.6	240 ^c
LL13090 (DUP)	28-Feb-08	4.8 J	Y	<1	700	12.6	240 ^c
LL13080	16-Jan-08	7.0	Y	<1	673	12.6	175 ^c
LL13081 (DUP)	16-Jan-08	7.0	Y	<1	673	12.6	175 ^c
LL13073	19-Dec-07	4.6	Y	<1	745	12.5	225 ^b
LL13074 (DUP)	19-Dec-07	3.7	Y	1	745	12.5	225 ^b
LL13063	20-Nov-07	14	Y	<1	817	13.1	25 ^b
LL13064 (DUP)	20-Nov-07	14	Y	<1	817	13.1	25 ^b
LL13056	12-Oct-07	16	Y	10	799	13.1	16 ^c
LL13057 (DUP)	12-Oct-07	17	Y	1	799	13.1	16 ^c
LL13047	25-Sep-07	18 J	Y	3	806	13.3	16 ^c
LL13048 (DUP)	25-Sep-07	18	Y	4	806	13.3	16 ^c
LL13044	20-Aug-07	17	Y	5	774	13.2	25 ^c
LL13045 (DUP)	20-Aug-07	17	Y	5	774	13.2	25 ^c
LL13038	12-Jul-07	8.2	Y	1	689	13.0	80 ^b
LL13039 (DUP)	12-Jul-07	8.6	Y	3	689	13.0	80 ^b
LL13031	14-Jun-07	14	Y	1	760	13.0	35 ^c
LL13032 (DUP)	14-Jun-07	14	Y	3	760	13.0	35 ^c
LL13024	18-May-07	12	Y	<1	717	12.9	60 ^b
LL13025 (DUP)	18-May-07	15	Y	1	717	12.9	60 ^b
LL13016	17-Apr-07	4.0	Y	<1	569	12.5	350 ^c
LL13017 (DUP)	17-Apr-07	3.7	Y	2	569	12.5	350 ^c
LL13001	13-Mar-07	6.6	Y	<1	625	12.4	150 ^b
LL13002 (DUP)	13-Mar-07	6.4	Y	1	625	12.4	150 ^b
LL12976	23-Feb-07	3.4	Y	4	492	11.4	550 ^c
LL12977 (DUP)	23-Feb-07	3.1	Y	<1	492	11.4	550 ^c
LL12968	11-Jan-07	3.7	Y	<1	556	12.9	450 ^c
LL12969 (DUP)	11-Jan-07	3.5	Y	<1	556	12.9	450 ^c
LL12959	15-Dec-06	3.5	Y	1	530	13.0	300 ^b
LL12960 (DUP)	15-Dec-06	3.2	Y	3	530	13.0	300 ^b

continued

Table 6. Post-Remediation PCB Results
 Illinois Central Spring
 Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow, gal/min
LL12951	27-Nov-06	6.0	Y	1	640	13.4	160 ^b
LL12952 (DUP)	27-Nov-06	6.1	Y	2	640	13.4	160 ^b
LL12943	10-Oct-06	7.6	Y	3	713	13.7	60 ^b
LL12944 (DUP)	10-Oct-06	9.5	Y	2	713	13.7	60 ^b
LL12934	8-Sep-06	16	Y	2	699	13.7	40 ^b
LL12935 (DUP)	8-Sep-06	13 J	Y	2	699	13.7	40 ^b
LL12927	22-Aug-06	17	Y	5	764	13.4	30 ^b
LL12928 (DUP)	22-Aug-06	16	Y	2	764	13.4	30 ^b
LL12920	19-Jul-06	24	Y	3	722	13.3	45 ^c
LL12921 (DUP)	19-Jul-06	16	Y	4	722	13.3	45 ^c
LL12894	30-Jun-06	9.2	Y	5	636	13.3	150 ^b
LL12895 (DUP)	30-Jun-06	12	Y	5	636	13.3	150 ^b
LL12886	23-May-06	7.3	Y	<1	646	12.8	160 ^b
LL12887 (DUP)	23-May-06	6.9	Y	1	646	12.8	160 ^b
LL12877	10-Apr-06	3.6	Y	2	520	12.7	685 ^c
LL12878 (DUP)	10-Apr-06	3.7	Y	2	520	12.7	685 ^c
LL12867	7-Mar-06	8.6	Y	<1	708	12.8	80 ^b
LL12868 (DUP)	7-Mar-06	5.1	Y	<1	708	12.8	80 ^b
LL12857	8-Feb-06	3.2	Y	<1	617	12.9	300 ^c
LL12858 (DUP)	8-Feb-06	3.7	Y	<1	617	12.9	300 ^c
LL12842	16-Jan-06	4.2	Y	2	557	13.0	500 ^c
LL12833	8-Dec-05	13	Y	<1	693	13.1	100 ^b
LL12834 (DUP)	8-Dec-05	15	Y	<1	693	13.1	100 ^b
LL12825	1-Dec-05	8.3	Y	<1	607	12.1	200 ^b
LL12826 (DUP)	1-Dec-05	8.3	Y	<1	607	12.1	200 ^b
LL12797	31-Oct-05	14	Y	4	783	13.4	40 ^b
LL12798 (DUP)	31-Oct-05	18	Y	4	783	13.4	40 ^b
LL12788	30-Sep-05	7.8	Y	2	630	13.7	225 ^c
LL12789 (DUP)	30-Sep-05	7.7 J	Y	3	630	13.7	225 ^c
LL12663	29-Aug-05	12	Y	<1	717	13.5	100 ^c
LL12664 (DUP)	29-Aug-05	14	Y	2	717	13.5	100 ^c
LL12627	29-Jul-05	13	Y	2	735	NR	60 ^c
LL12628 (DUP)	29-Jul-05	15 J	Y	<1	735	NR	60 ^c
LL12593A	21-Jun-05	12	Y	<1	654	13.3	120 ^c
LL12594A (DUP)	21-Jun-05	12	Y	<1	654	13.3	120 ^c
LL12527	17-May-05	4.4 J	Y	<1	603	12.7	280 ^c
LL12528 (DUP)	17-May-05	4.7 J	Y	<1	603	12.7	280 ^c
LL12517	18-Apr-05	5.9	Y	<1	677	12.7	100 ^c
LL12518 (DUP)	18-Apr-05	6.1	Y	<1	677	12.7	100 ^c
LL12433	18-Mar-05	12	Y	4	703	12.8	100 ^b
LL12434 (DUP)	18-Mar-05	12	Y	<1	703	12.8	100 ^b
LL12381	25-Feb-05	8.7	Y	<1	715	12.6	150 ^b
LL12382 (DUP)	25-Feb-05	7.5	Y	<1	715	12.6	150 ^b
LL12373	28-Jan-05	17	Y	<1	679	12.7	120 ^c
LL12374 (DUP)	28-Jan-05	16	Y	<1	679	12.7	120 ^c
LL12234	16-Dec-04	6.4	Y	<1	664	13.1	150 ^c
LL12235 (DUP)	16-Dec-04	6.5	Y	<1	664	13.1	150 ^c
LL12192	18-Nov-04	15	Y	2	730	13.3	110 ^c
LL12193 (DUP)	18-Nov-04	18	Y	4	730	13.3	110 ^c
LL12153	6-Oct-04	20	Y	<1	791	13.1	20 ^b
LL12154 (DUP)	6-Oct-04	19	Y	<1	791	13.1	20 ^b

continued

Table 6. Post-Remediation PCB Results
 Illinois Central Spring
 Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow, gal/min
LL12148	9-Sep-04	16	Y	<1	733	13.2	50 ^b
LL12149 (DUP)	9-Sep-04	17	Y	<1	733	13.2	50 ^b
LL12113	6-Aug-04	11	Y	<1	732	13.1	40 ^b
LL12114 (DUP)	6-Aug-04	10	Y	<1	732	13.1	40 ^b
LL12083	16-Jul-04	5.1	Y	<1	616	13.5	150 ^b
LL12084 (DUP)	16-Jul-04	10	Y	<1	616	13.5	150 ^b
LL11998	14-Jun-04	17	Y	3	695	13.0	60 ^b
LL11999 (DUP)	14-Jun-04	14	Y	<1	695	13.0	60 ^b
LL11773	5-May-04	9.1	Y	<1	738	12.7	90 ^b
LL11774 (DUP)	5-May-04	12	Y	<1	738	12.7	90 ^b
LL11740	19-Apr-04	19	Y	<1	693	13.0	120 ^b
LL11741 (DUP)	19-Apr-04	20	Y	NR	693	13.0	120 ^b
LL11555	9-Mar-04	6.4	Y	<1	627	12.6	250 ^b
LL11556 (DUP)	9-Mar-04	5.7	Y	<1	627	12.6	250 ^b
LL11552	13-Feb-04	6.1	Y	<1	696	12.7	290 ^c
LL11553 (DUP)	13-Feb-04	5.5	Y	<1	696	12.7	290 ^c
LL11548	14-Jan-04	15	Y	<1	612	12.6	250 ^b
LL11549 (DUP)	14-Jan-04	16	Y	<1	612	12.6	250 ^b
LL11543	9-Dec-03	7.8	Y	<1	642	13.1	180 ^c
LL11544 (DUP)	9-Dec-03	7.8	Y	2	642	13.1	180 ^c
LL11380	5-Nov-03	10	Y	<1	726	13.1	70 ^c
LL11381 (DUP)	5-Nov-03	9.7	Y	<1	726	13.1	70 ^c
LL11258	8-Oct-03	10	Y	<1	760	13.5	80 ^c
LL11259 (DUP)	8-Oct-03	10	Y	<1	760	13.5	80 ^c
LL11205	9-Sep-03	9.7	Y	<1	659	14.0	110 ^c
LL11206 (DUP)	9-Sep-03	9.8	Y	<1	659	14.0	110 ^c
LL11174	5-Aug-03	7.9	Y	<1	688	13.5	100 ^c
LL11175 (DUP)	5-Aug-03	8.2	Y	<1	688	13.5	100 ^c
LL11127	9-Jul-03	16	Y	5	743	13.2	50 ^b
LL11128 (DUP)	9-Jul-03	12	Y	5	743	13.2	50 ^b
LL11121	2-Jun-03	15	Y	<1	720	13.0	63 ^c
LL11122 (DUP)	2-Jun-03	16	Y	<1	720	13.0	63 ^c
LL11118	14-May-03	4.7	Y	2	574	12.8	325 ^c
LL11119 (DUP)	14-May-03	4.1	Y	3	574	12.8	325 ^c
LL11100	10-Apr-03	4.9	Y	3	703	12.8	135 ^c
LL11101 (DUP)	10-Apr-03	4.9	Y	<1	703	12.8	135 ^c
LL11078	17-Mar-03	3.8	Y	<1	617	12.6	300 ^b
LL11079 (DUP)	17-Mar-03	2.5	Y	2	617	12.6	300 ^b
LL11073	7-Feb-03	11	Y	<1	793	12.8	60 ^b
LL11074 (DUP)	7-Feb-03	11	Y	<1	793	12.8	60 ^b
LL11066	10-Jan-03	8.9	Y	<1	639	13.0	150 ^b
LL11067 (DUP)	10-Jan-03	7.4	Y	<1	639	13.0	150 ^b
LL10971	3-Dec-02	14	Y	<1	727	13.1	35 ^b
LL10972 (DUP)	3-Dec-02	14	Y	7	727	13.1	35 ^b
LL10966	12-Nov-02	4.7	Y	<1	598	13.6	80 ^b
LL10967 (DUP)	12-Nov-02	4.9	Y	<1	598	13.6	80 ^b
LL10961	11-Oct-02	12	Y	<1	723	13.8	60 ^b
LL10962 (DUP)	11-Oct-02	13	Y	<1	723	13.8	60 ^b
LL10945	4-Sep-02	22	Y	<1	775	13.4	30 ^c
LL10946 (DUP)	4-Sep-02	22	Y	3	775	13.4	30 ^c
LL10916	8-Aug-02	21	Y	<1	745	13.5	25 ^b
LL10917 (DUP)	8-Aug-02	20	Y	<1	745	13.5	25 ^b

continued

Table 6. Post-Remediation PCB Results
 Illinois Central Spring
 Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow, gal/min
LL10898	17-Jul-02	19	Y	<1	705	13.3	50 ^b
LL10899 (DUP)	17-Jul-02	19	Y	4	705	13.3	50 ^b
LL10885	10-Jun-02	8.5	Y	<1	565	13.4	190 ^c
LL10886 (DUP)	10-Jun-02	9.2	Y	<1	565	13.4	190 ^c
LL10863	21-May-02	7.9	Y	<1	567	12.9	280 ^c
LL10864 (DUP)	21-May-02	7.2	Y	<1	567	12.9	280 ^c
LL10790	11-Apr-02	3.6	Y	<1	583	12.8	225 ^c
LL10791 (DUP)	11-Apr-02	3.8	Y	<1	583	12.8	225 ^c
LL10766	14-Mar-02	4.8	Y	<1	525	12.9	300 ^b
LL10767 (DUP)	14-Mar-02	4.6	Y	<1	525	12.9	300 ^b
LL10746	13-Feb-02	10	Y	<1	585	13.0	150 ^b
LL10747 (DUP)	13-Feb-02	9.3	Y	<1	585	13.0	150 ^b
LL10725	22-Jan-02	21	Y	<1	723	13.1	20 ^b
LL10726 (DUP)	22-Jan-02	14	Y	2	723	13.1	20 ^b
LL10720	3-Jan-02	9.5	Y	<1	677	13.1	130 ^b
LL10723 (DUP)	3-Jan-02	14	Y	<1	677	13.1	130 ^b
LL10466	19-Oct-01	5.7	Y	<1	601	14.0	139 ^b
LL10467 (DUP)	19-Oct-01	5.6	Y	2	601	14.0	139 ^b
LL10457	13-Sep-01	8.9	Y	<1	653	14.1	100 ^b
LL10458 (DUP)	13-Sep-01	8.8	Y	<1	653	14.1	100 ^b
LL10452	17-Aug-01	11	Y	<1	645	13.5	15 ^b
LL10453 (DUP)	17-Aug-01	13	Y	<1	645	13.5	15 ^b
LL10380	27-Jul-01	9.3	Y	NR	762	13.7	15 ^b
LL10381 (DUP)	27-Jul-01	8.8	Y	NR	762	13.7	15 ^b
LL10352	14-Jun-01	13	Y	2	588	13.4	125 ^b
LL10353 (DUP)	14-Jun-01	14	Y	4	588	13.4	125 ^b
LL10205	15-May-01	20	Y	12	718	13.1	40 ^b
LL10206 (DUP)	15-May-01	17	Y	12	718	13.1	40 ^b
LL10144	11-Apr-01	14	Y	7	632	13.1	240 ^b
LL10145 (DUP)	11-Apr-01	14	Y	2	632	13.1	240 ^b
LL10079	20-Mar-01	14	Y	<1	700	12.7	93 ^b
LL10080 (DUP)	20-Mar-01	15	Y	<1	700	12.7	93 ^b
LL10061	27-Feb-01	2.9	Y	3	584	12.7	280 ^b
LL10062 (DUP)	27-Feb-01	4.3	Y	3	584	12.7	280 ^b
LL10057	31-Jan-01	4.9	Y	4	520	12.8	830 ^b
LL10058(DUP)	31-Jan-01	5.6	Y	<1	520	12.8	830 ^b
LL10049	20-Dec-00	5.3	Y	<1	852	13.2	360 ^b
LL10050 (DUP)	20-Dec-00	5.2	Y	<1	852	13.2	360 ^b
LL10043	17-Nov-00	8.3	Y	<1	685	13.5	160 ^b
LL10044	17-Nov-00	8.5	Y	<1	685	13.5	160 ^b

^aSamples were analyzed to a detection limit of 0.1 parts per billion (ppb) for all PCB parameters except Aroclor 1221 (detection limit 0.2 ppb or 0.5 ppb). Other detection limits may occasionally result from non-normal sample volumes, dilutions, etc.

^bFlow estimated visually.

^cFlow estimate from ICS Treatment Facility instrumentation.

J = Estimated value. The QA/QC data indicated an analytical bias.

NR = Not reported.

Table 7. Post-Remediation PCB Results
Rinker Spring
Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow, gal/min
LL13245	23-Jan-09	2.6	Y	3	874	12.4	12 ^b
LL13239	16-Dec-08	1.6	Y	1	816	13.6	15 ^b
LL13230	20-Nov-08	2.9	Y	1	869	14.5	8 ^b
LL13223	21-Oct-08	5.0	Y	<1	875	15.2	5 ^b
LL13202	11-Sep-08	4.5	Y	<1	846	15.3	5 ^b
LL13195	12-Aug-08	3.2	Y	<1	832	14.7	4 ^b
LL13188	17-Jul-08	1.5	Y	<1	792	14.2	3 ^b
LL13180	18-Jun-08	1.2	Y	2	701	13.2	25 ^b
LL13114	28-May-08	1.2	Y	1	792	12.3	15 ^b
LL13103	18-Apr-08	0.82	Y	<1	776	11.6	20 ^b
LL13095	12-Mar-08	0.76	Y	3	781	11.2	20 ^b
LL13087	28-Feb-08	1.4 J	Y	2	925	11.3	15 ^b
LL13078	16-Jan-08	1.1	Y	<1	811	12.4	15 ^b
LL13071	19-Dec-07	0.90	Y	1	843	14.1	13 ^c
LL13072	19-Dec-07	1.4	Y	29	843	13.3	1 ^b
LL13062	20-Nov-07	3.6	Y	<1	897	15.6	6 ^b
LL13054	12-Oct-07	4.3	Y	1	881	15.7	6 ^b
LL13050	25-Sep-07	4.4	Y	<1	887	15.6	3 ^b
LL13042	20-Aug-07	4.0	Y	<1	857	14.8	6 ^b
LL13036	12-Jul-07	1.6	Y	1	786	13.8	8 ^b
LL13029	14-Jun-07	2.4	Y	1	817	12.7	6 ^b
LL13022	18-May-07	1.7	Y	1	815	12.0	5 ^b
LL13014	17-Apr-07	0.79	Y	3	701	11.6	18 ^b
LL12999	13-Mar-07	1.3	Y	<1	779	11.3	10 ^b
LL12974	23-Feb-07	0.94	Y	6	660	10.9	25 ^b
LL12966	11-Jan-07	0.78	Y	5	604	12.3	40 ^b
LL12957	15-Dec-06	1.0	Y	3	627	13.3	15 ^b
LL12949	27-Nov-06	1.2	Y	1	761	14.4	20 ^b
LL12941	10-Oct-06	2.2	Y	1	799	15.8	10 ^b
LL12932	08-Sep-06	2.5	Y	<1	816	15.6	8 ^b
LL12925	22-Aug-06	5.0	Y	3	830	15.1	10 ^b
LL12918	19-Jul-06	2.0	Y	<1	800	14.0	10 ^b
LL12892	30-Jun-06	1.3	Y	2	753	13.5	20 ^b
LL12884	23-May-06	1.1	Y	1	753	12.6	10 ^b
LL12875	10-Apr-06	0.93	Y	9	630	12.0	25 ^b
LL12865	07-Mar-06	1.8	Y	2	786	11.8	8 ^c
LL12855	08-Feb-06	0.60	Y	2	731	11.9	20 ^b
LL12840	16-Jan-06	1.2	Y	5	638	12.7	40 ^b
LL12831	08-Dec-05	2.1	Y	3	788	14.5	6 ^b
LL12823	01-Dec-05	1.5	Y	2	744	12.9	8 ^c
LL12795	31-Oct-05	3.0	Y	<1	845	15.9	2 ^c
LL12786	30-Sep-05	1.1	Y	<1	739	16.0	NR
LL12661	29-Aug-05	1.5	Y	<1	784	15.5	4.5 ^c
LL12625	29-Jul-05	1.8	Y	<1	778	NR	7 ^c
LL12524	17-May-05	1.1 J	Y	<1	734	12.2	25 ^b
LL12591A	21-Jun-05	1.6	Y	<1	764	13.3	12 ^c
Rinker 060305 ^d	03-Jun-05	1.0 J	Y	<3	NR	NR	NR

^aSamples were analyzed to a detection limit of 0.1 parts per billion (ppb) for all PCB parameters except Aroclor 1221 (detection limit 0.2 ppb).

^bFlow estimated visually.

^cFlow measured by V-notch weir.

^dEPA sample

^eFlow estimated by measuring the time required to fill a container of known volume.

NR - Not reported.

J -Estimated value.

Table 8. Post-Remediation PCB Results
Slaughterhouse Spring
Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow ^b , gal/min
LL13234	15-Dec-08	<0.10	Y	13	954	9.2	8
--	21-Oct-08	--	--	--	--	--	DRY
--	11-Sep-08	--	--	--	--	--	DRY
--	12-Aug-08	--	--	--	--	--	DRY
--	17-Jul-08	--	--	--	--	--	DRY
LL13107	18-Apr-08	<0.10	Y	8	919	14.8	25
LL13107	18-Apr-08	<0.10	Y	8	919	14.8	25
LL13065	19-Dec-07	<0.10	Y	14	1091	11.6	25
--	12-Oct-07	--	--	--	--	--	DRY
--	25-Sep-07	--	--	--	--	--	DRY
--	22-Aug-07	--	--	--	--	--	DRY
--	12-Jul-07	--	--	--	--	--	DRY
--	14-Jun-07	--	--	--	--	--	DRY
LL13018	17-Apr-07	<0.10	Y	11	845	14.3	50
LL12961	15-Dec-06	<0.10	Y	12	804	12.4	40
LL12936	08-Sep-06	<0.10	Y	6	946	18.5	3
LL12896	30-Jun-06	<0.10	Y	8	923	15.8	12
LL12879	10-Apr-06	<0.10	Y	22	779	13.5	30
LL12835	13-Dec-05	<0.10	Y	2	1482	9.0	10
LL12799	31-Oct-05	<0.10	Y	3	929	13.0	0.1
LL12586A	17-Jun-05	<0.10	Y	9	934	17.8	40
LL12520	28-Apr-05	<0.10	Y	56	1047	12.4	15
LL12236	16-Dec-04	<0.10	Y	3	902	10.3	15
--	18-Nov-04	--	--	--	--	--	DRY
--	06-Oct-04	--	--	--	--	--	DRY
--	09-Sep-04	--	--	--	--	--	DRY
LL12000	14-Jun-04	<0.10	Y	68	980	16.3	2°
LL11558	09-Mar-04	<0.10	Y	3	816	11.5	23°
LL11545	09-Dec-03	<0.10	Y	11	909	13.1	13°
LL11260	08-Oct-03	<0.10	Y	9	990	15.3	3.5°
LL11124	02-Jun-03	<0.10	Y	29	954	14.2	25
LL11103	10-Apr-03	<0.10	Y	51	968	14.0	20
LL11081	17-Mar-03	<0.10	Y	20	891	14.0	50
LL11076	07-Feb-03	<0.10	Y	14	1440	5.7	15
LL11069	10-Jan-03	<0.10	Y	27	916	8.5	20
LL10974	03-Dec-02	<0.10	Y	16	911	6.7	5
LL10969	12-Nov-02	<0.10	Y	27	845	12.9	8
LL10964	11-Oct-02	<0.10	Y	<1	928	16.7	8
LL10947	04-Sep-02	<0.10	Y	10	868	21.9	2
LL10920	08-Aug-02	<0.10	Y	33	886	19.9	2
LL10904	17-Jul-02	<0.10	Y	21	898	18.6	5
LL10891	10-Jun-02	<0.10	Y	55	835	14.4	15
LL10869	21-May-02	<0.10	Y	23	832	13.0	50

continued

Table 8. Post-Remediation PCB Results
Slaughterhouse Spring
Lemon Lane Landfill, Bloomington, Indiana

Sample ID	Sampling Date	PCB ^a , ppb	Data Validated?	TSS, mg/L	Conductivity, uS/cm	Temperature, deg C	Flow ^b , gal/min
LL10796	11-Apr-02	<0.10	Y	14	833	12.8	20
LL10769	14-Mar-02	<0.10	Y	13	756	12.5	10
LL10749	13-Feb-02	<0.10	Y	13	796	12.0	10
LL10728	22-Jan-02	<0.10	Y	14	907	11.6	4
LL10722	03-Jan-02	<0.10	Y	15	877	12.2	5
LL10469	19-Oct-01	<0.10	Y	18	890	14.5	12
LL10460	13-Sep-01	<0.10	Y	20	904	16.0	2
LL10455	17-Aug-01	<0.10	Y	60	929	17.6	3
LL10383	27-Jul-01	<0.10	Y	NR	1046	16.2	3
LL10355	14-Jun-01	<0.10	Y	46	841	14.5	8
LL10208	15-May-01	0.11	Y	45	952	14.8	2
LL10147	11-Apr-01	<0.10	Y	29	882	13.0	5
LL10076	20-Mar-01	<0.10	Y	9	936	11.6	2
LL10064	27-Feb-01	<0.10	Y	19	726	10.1	25
LL10059	31-Jan-01	<0.10	Y	17	788	11.2	20
LL10051	20-Dec-00	0.13 J	Y	67	828	12.5	15
LL10045	17-Nov-00	0.14 J	Y	22	957	13.4	5

^aSamples were analyzed to a detection limit of 0.1 parts per billion (ppb) for all PCB parameters except Aroclor 1221 (detection limit 0.2 ppb or 0.5 ppb). Other detection limits may occasionally result from non-normal sample volumes, dilutions, etc.

^bFlow estimated visually.

^cFlow measured by V-notch weir.

NR = Not reported.

J = Estimated value. The QA/QC data indicated an analytical bias.

Table 9. Continuous Flow and Water Level Monitoring
 Lemon Lane Landfill,
 Bloomington, Monroe County, Indiana

Monitoring Station	Parameter	Reported Monitoring Period	Instrument
MW-06	Water level/ temp	All Quarter	In-Situ Level Troll
Piezometer AD	Water crest	All Quarter	Crest Gauge
Piezometer AS	Water crest	All Quarter	Crest Gauge
Piezometer BD	Water crest	All Quarter	Crest Gauge
Piezometer BS	Water crest	All Quarter	Crest Gauge

Table 10. Crest Gauge Data
Lemon Lane Landfill,
Bloomington, Monroe County, Indiana

Date	Piezometer AD Apparent Movement (ft)	Piezometer AS Apparent Movement (ft)	Piezometer BS Apparent Movement (ft)
11/14/02	None	None	None
12/2/02	None	None	None
12/13/02	None	None	None
12/30/02	None	None	None
1/13/03	None	None	None
1/28/03	None	1	None
2/11/03	None	1	None
2/20/2003	None	None	None
3/5/2003	None	None	None
3/21/2003	None	None	None
4/7/2003	None	None	None
4/23/2003	None	None	None
5/8/2003	None	None	None
5/19/2003	0.45	None	None
6/5/2003	None	None	None
6/20/2003	0.35	None	None
7/2/2003	None	None	None
7/16/2003	1.35	None	None
7/31/2003	None	None	None
8/14/2003	None	None	None
9/3/2003	None	None	None
9/11/2003	None	None	None
9/29/2003	None	None	None
10/9/2003	None	None	None
10/23/2003	None	None	None

continued

Table 10. Crest Gauge Data
Lemon Lane Landfill,
Bloomington, Monroe County, Indiana

Date	Piezometer AD Apparent Movement (ft)	Piezometer AS Apparent Movement (ft)	Piezometer BD Apparent Movement (ft)	Piezometer BS Apparent Movement (ft)
11/7/2003	None	None	2	None
11/26/2003	None	None	2	None
12/8/2003	None	None	2	None
12/31/2003	None	None	2	None
1/15/2004	0.46	None	2	None
2/4/2004	None	None	2	None
2/13/2004	None	None	2	None
3/2/2004	None	None	2	None
3/12/2004	None	None	None	None
4/9/2004	None	None	None	None
4/23/2004	None	None	None	None
5/10/2004	None	None	0.28	None
5/21/2004	None	None	None	None
6/10/2004	None	None	None	None
6/24/2004	None	None	None	None
7/12/2004	None	None	None	None
7/29/2004	None	None	None	None
8/10/2004	None	None	None	None
8/30/2004	None	None	None	None
9/9/2004	None	None	None	None
10/6/2004	None	None	None	None
10/21/2004	None	None	None	None
12/7/2004	0.2	None	0.24	None
2/3/2005	None	None	0.08	None
2/18/2005	None	None	2.53 ³	None
3/24/2005	None	None	None	None
4/15/2005	None	None	None	None
5/25/2005	N.R. ⁴	None	None	None
6/1/2005	0.43	None	None	None
6/21/2005	None	None	0.12	None
7/19/2005	None	None	0.22	None
8/8/2005	None	None	0.17	None
9/20/2005	N/A ⁵	None	0.21	None
10/11/2005	None	None	None	None
11/4/2005	None	None	None	None
12/21/2005	None	None	None	None
1/5/2006	None	None	None	None
1/11/2006	None	None	None	None
2/3/2006	None	None	None	None
2/15/2006	0.27	None	0.25	None
2/20/2006	None	None	None	None
2/28/2006	0.23	None	0.26	None

continued

Table 10. Crest Gauge Data
Lemon Lane Landfill
Bloomington, Monroe County, Indiana

Date	Piezometer AD Apparent Movement (ft)	Piezometer AS Apparent Movement (ft)	Piezometer BD Apparent Movement (ft)	Piezometer BS Apparent Movement (ft)
3/14/2006	> 2.95	None	> 2.95	None
3/31/2006	0.84	None	None	None
5/2/2006	> 2.95	None	0.45	None
5/18/2006	0.17	None	0.15	None
6/12/2006	0.18	None	None	None
6/20/2006	0.08	None	0.14	None
7/12/2006	None	None	0.17	None
7/25/2006	None	None	None	None
8/3/2006	None	None	None	None
8/22/2006	None	None	None	None
9/15/2006	None	None	None	None
11/9/2006	0.30	None	None	None
1/2/2007	0.52	None	0.72	None
1/18/2007	< 0.55	None	< 0.73	None
2/9/2007	None	None	None	None
2/21/2007	0.17	None	0.14	0.23
3/10/2007	0.50	0.15	0.11	None
3/23/2007	N.R. ⁶	None	0.16	None
4/24/2007	0.15	None	0.11	None
5/7/2007	None	None	None	None
5/31/2007	None	None	None	None
6/12/2007	None	None	None	None
6/26/2007	None	None	None	None
7/6/2007	None	None	None	None
8/3/07	None	None	None	None
8/27/07	None	None	None	None
9/12/07	None	None	None	None
9/28/07	None	None	None	None
10/19/07	None	None	None	None
2/25/08	0.28	0.14	0.15	0.17
4/8/08	0.15	None	0.23	None
4/18/08	0.22	None	0.20	None
4/30/08	None	None	0.29	None
5/20/08	> 2.8	None	0.53	None
6/5/08	≥ 7.67 ⁷	None	≥ 5.38 ⁷	None
6/25/08	New gage installed	None	New gage installed	None
7/18/08	0.27	None	0.24	None
11/13/2008	None	None	None	None
12/11/2008	None	None	None	0.50

¹Crest gauge could not be removed from Piezometer AS on this date, possibly due to a build-up of ice in the PVC casing.

²Crest gauge was installed in PZ-BD on 3/8/2004; no readings are available prior to that date.

³This reading appears unreasonably high for a period of relatively normal precipitation.

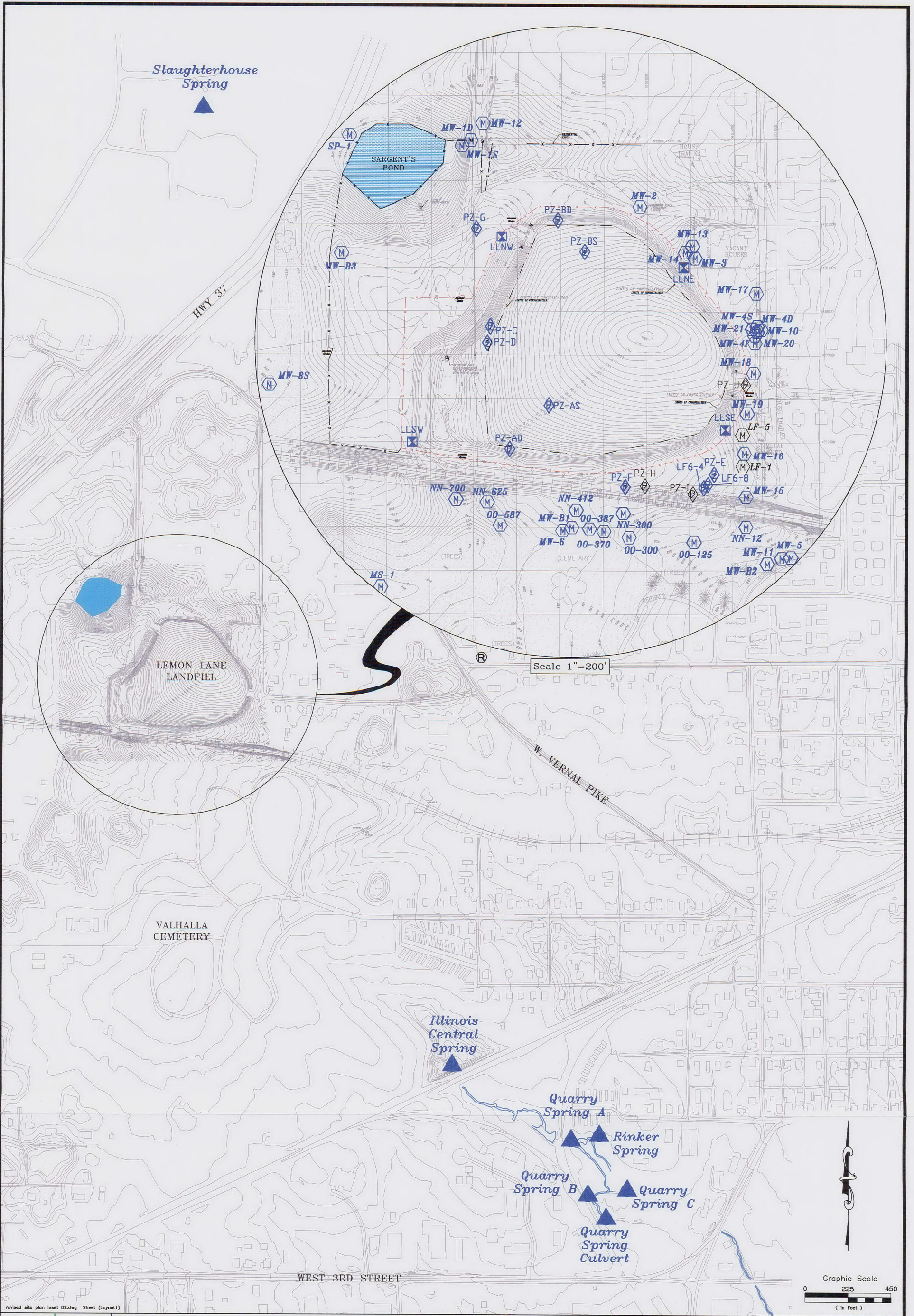
⁴No record of a visit to this station on this date was found at the time this report was written.

⁵Crest gauge came untied from its string and fell to the bottom of PZ-AD this day. No reading available.

⁶Crest gauge unreadable.

⁷Hand measured water level using a water level probe.

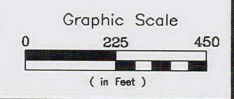
FIGURES



revised site plan inset 02.dwg Sheet (Layout1)



- QUARRY SPRING Spring
- MW-5 Monitoring Well
- PZ-33 Piezometer
- BD-389 Survey Control Point
- Rain Gauge
- Landfill Perimeter Fence
- Chain Link Fence



CBS Corporation

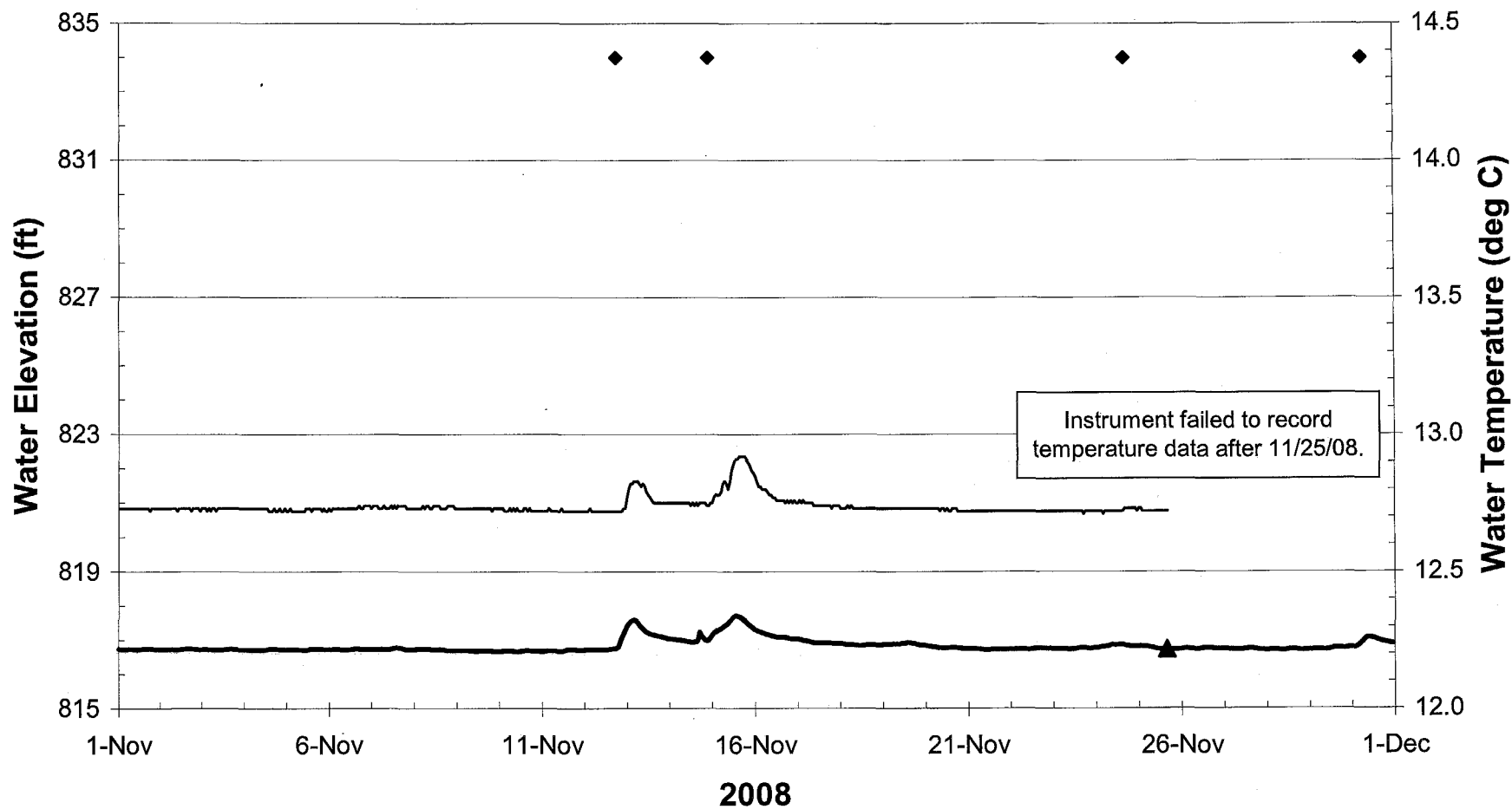
Figure 1.
Monitoring and Sampling Locations
Lemon Lane Landfill
Bloomington, Indiana

Drawn By: RLR	Date: 1/11/06	Scale: 1"=450'
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CONTINUOUS MONITORING WATER LEVEL PLOTS

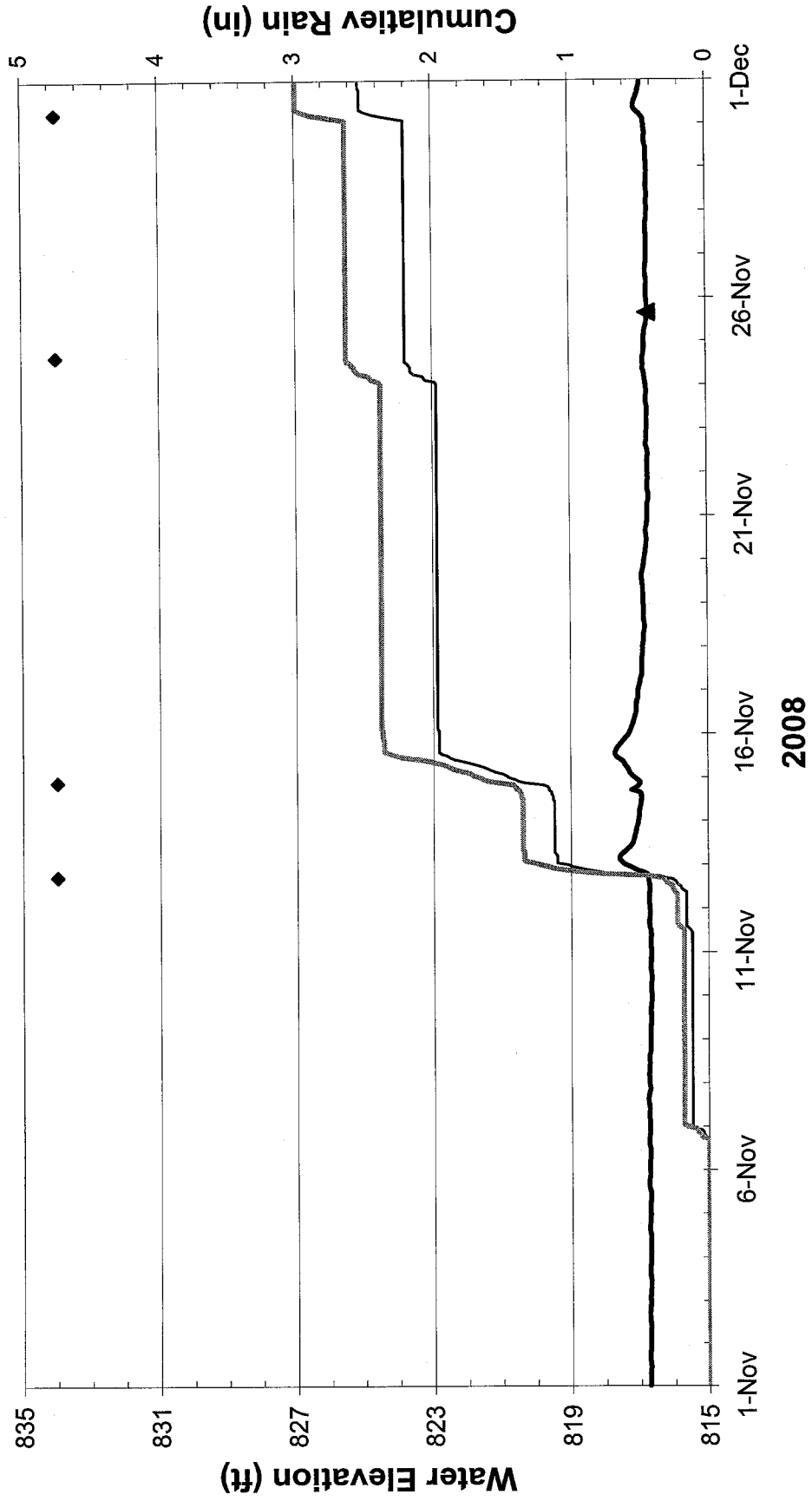
Lemon Lane MW-06

11/1/2008 0:00 to 11/30/2008 23:00



— Water Elevation ▲ Hand Measurements ◆ Rain Events — Water Temperature

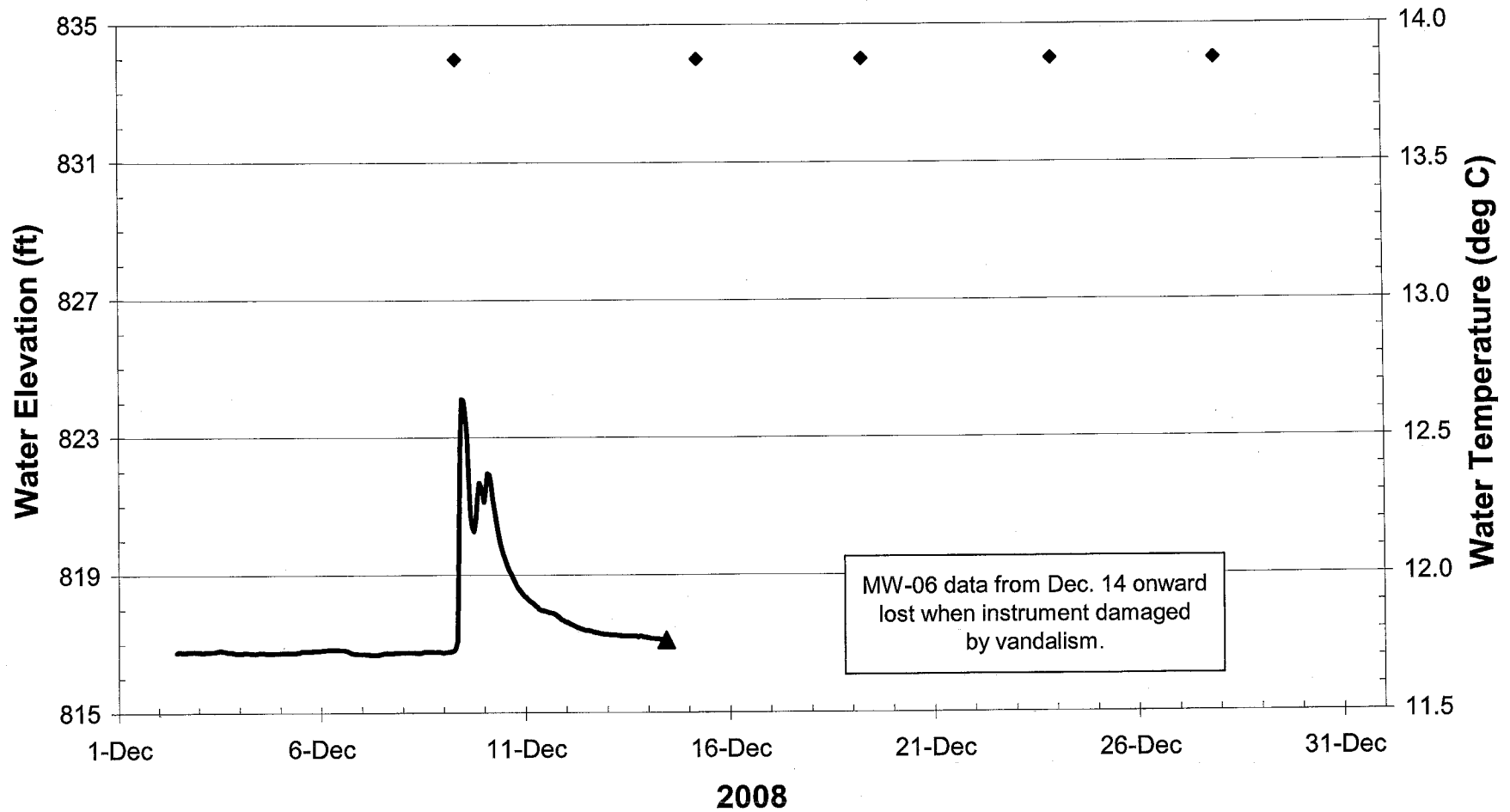
Lemon Lane MW-06
11/1/2008 0:00 to 11/30/2008 23:00



— Water Elevation ▲ Hand Measurements ◆ Rain Events — LL Cum Rain — NL Cum Rain

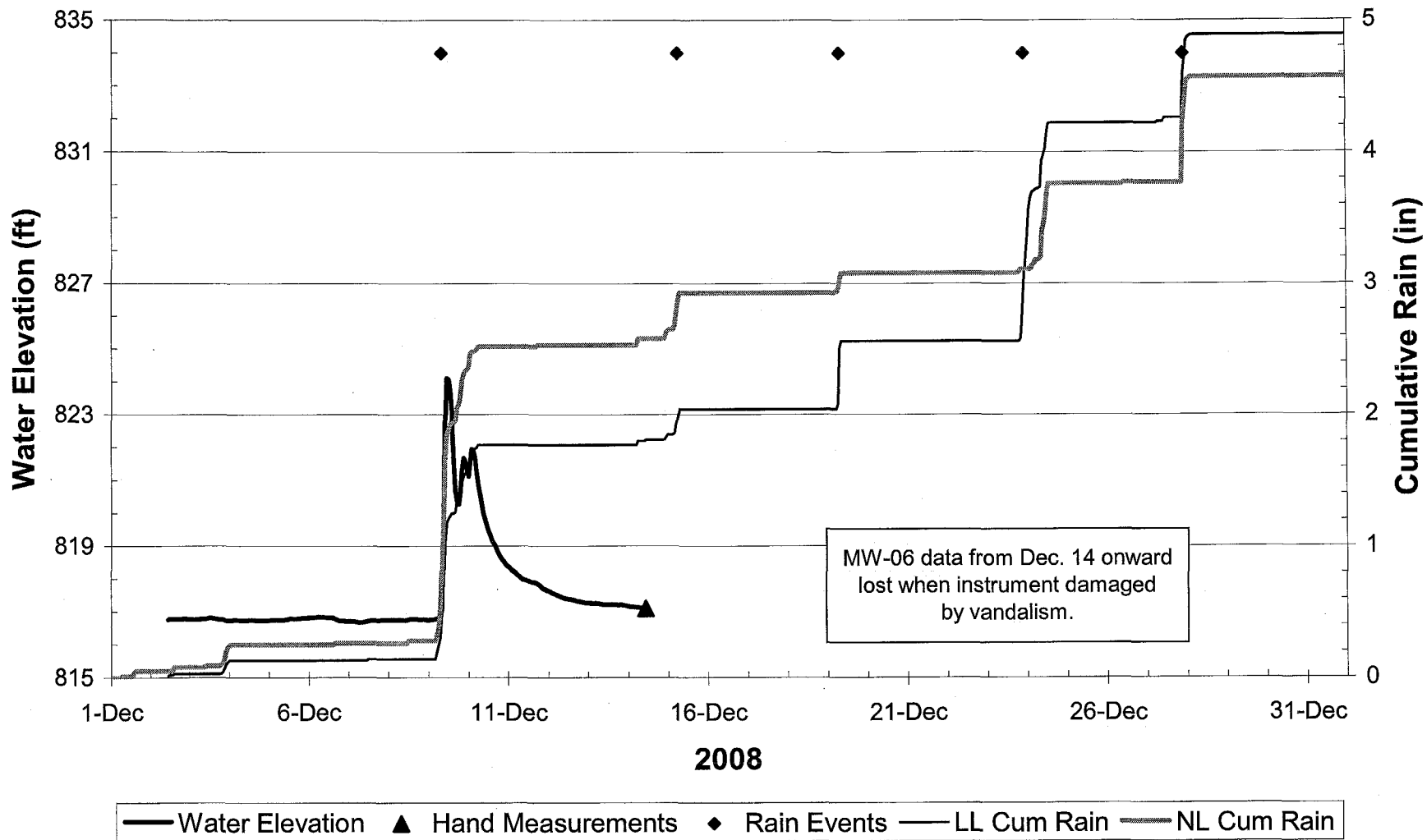
Lemon Lane Landfill MW-06

12/1/2008 0:00 to 12/31/2008 23:00

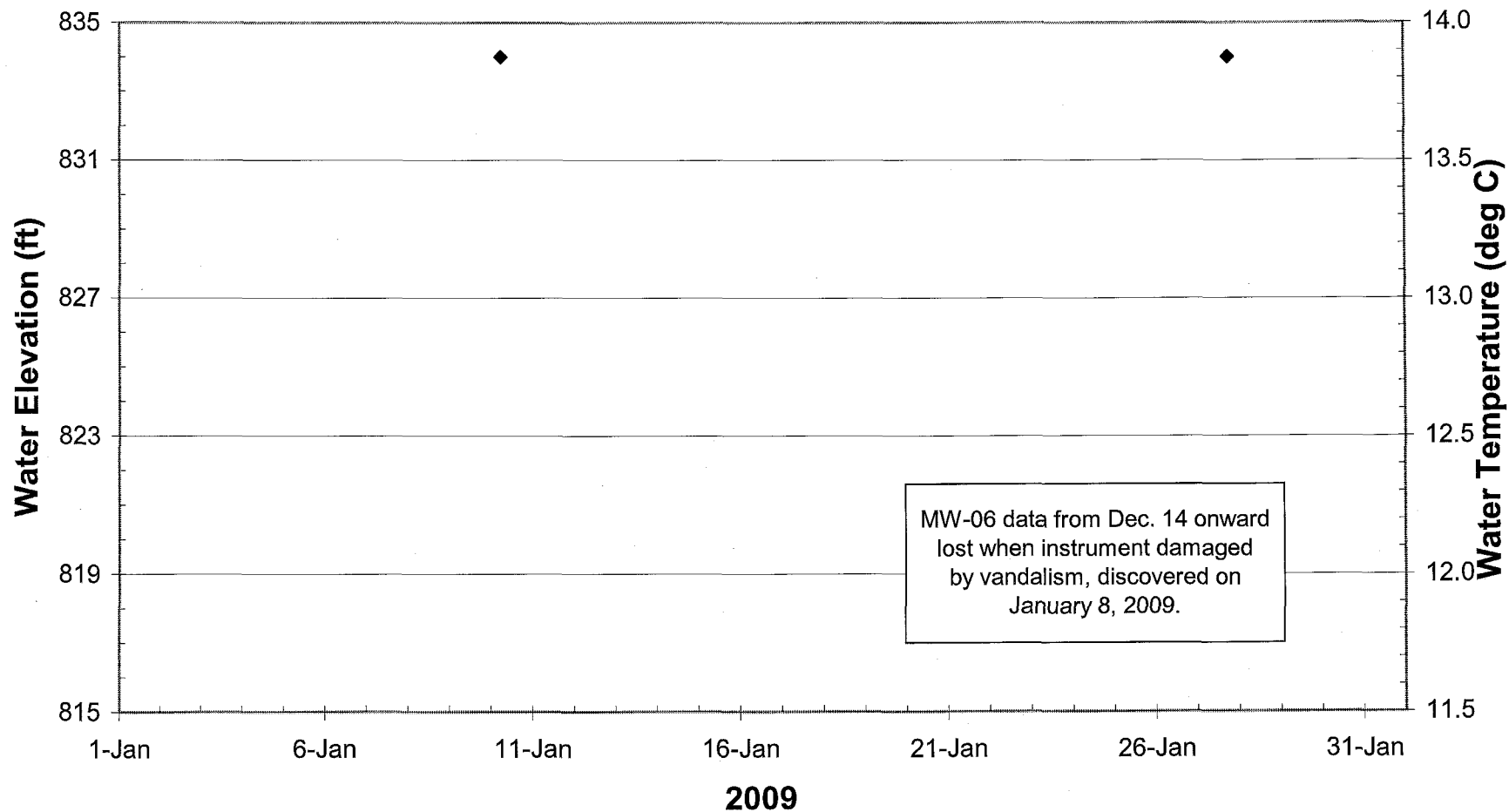


— Water Elevation ▲ Hand Measurements ◆ Rain Events — Water Temperature

Lemon Lane Landfill MW-06 12/1/2008 0:00 to 12/31/2008 23:00

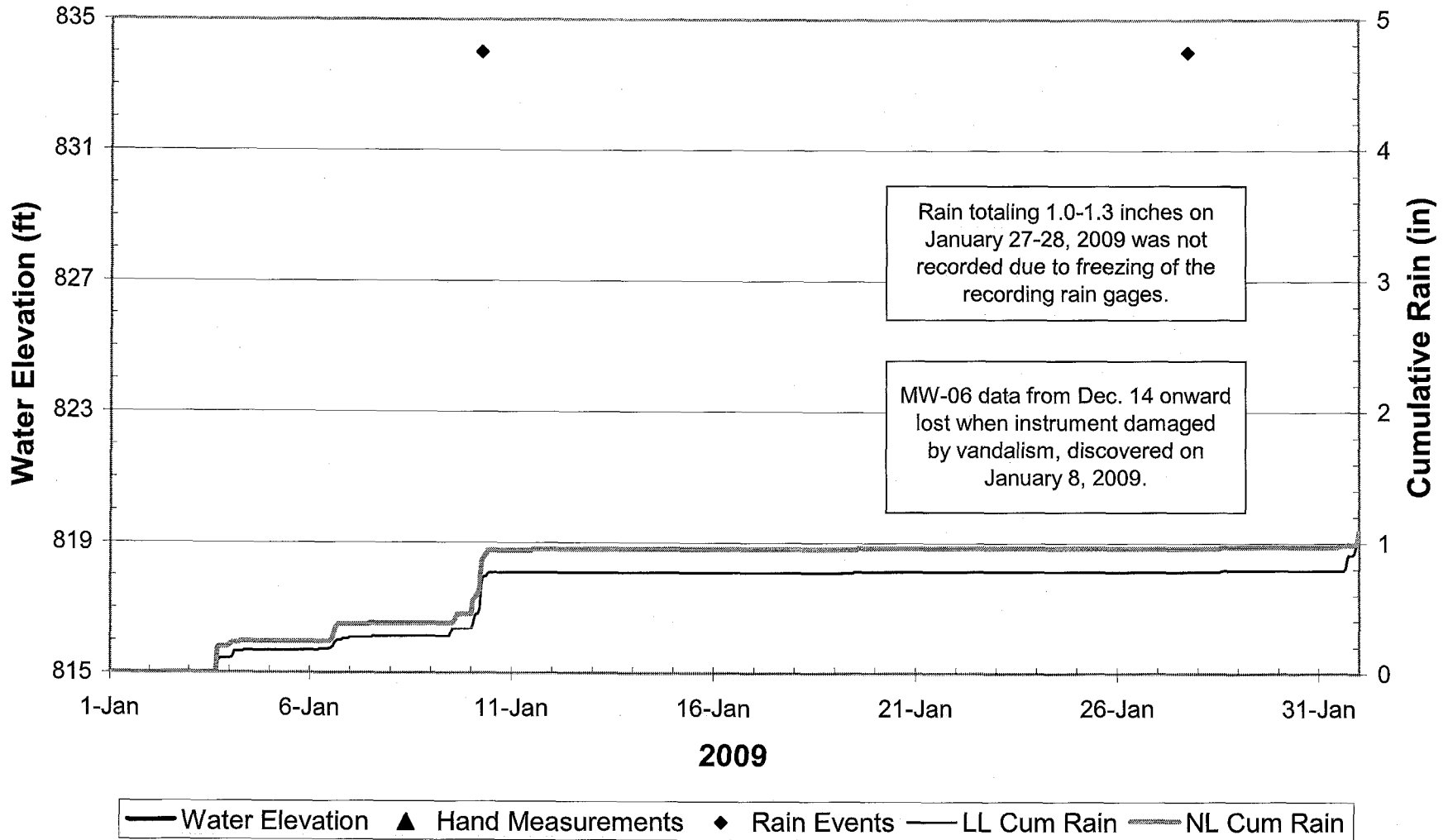


Lemon Lane Landfill MW-06
1/1/2009 0:00 to 1/31/2009 23:00



— Water Elevation ▲ Hand Measurements ◆ Rain Events - - - Water Temperature

Lemon Lane Landfill MW-06
1/1/2009 0:00 to 1/31/2009 23:00



APPENDIX A

Chain-of-Custody Records



01037382

HERITAGE ENVIRONMENTAL SERVICES, LLC.
COMMERCIAL LABORATORY OPERATIONS

7901 West Morris Street Indianapolis IN 46231

www.heritage-enviro.com (800)827-4374 Fax: (317) 486-5095

I - 64084

Customer name/number: CBS Corp, Project Name: Lemon Lane, Z Quote No: (Given to you by your contact), PO No. or Project/Activity ID: BL 0177, PRINT HERITAGE TSR NAME: CUSTOMER STATUS: New / Existing, Sampled By: N. Vaughan, Date Sampled, Time sampled, Sample ID and/or Location, Sample type (Matrix): WS, Number of Containers: PCB, TSS, Analyses Requested, Send Report To: CBS Corp, Add: 2002 W. Vernal Pike, Bloomington IN 47404, Attn: Mike McCann, Phone: (812) 335-0424, Fax: (), E-mail: Sample Turn Around Time, Standard: , Rush Date: / /, Mo Day Yr, (Accelerated TAT subject to Additional Charge) (Date must be Accepted and Approved by Lab), Remarks: MS/MSD, Lab use only Sample No.: 629, 630, 631, 632, 633, 634, Relinquished by: (Signature), Date/Time, Received by: (Signature), Laboratory use only, Custody seals present/intact?, Broken containers?, COC agree with sample labels?, Correct containers for testing?, Headspace issues acceptable?, Holding time(s) acceptable?, Preservative pH's acceptable?, Was pH left unadjusted?, Received for Lab by: (Signature), Date, Time, Temp., ROT.

ORIGINAL



01038168

HERITAGE ENVIRONMENTAL SERVICES, LLC.
COMMERCIAL LABORATORY OPERATIONS

7901 West Morris Street Indianapolis IN 46231

www.heritage-enviro.com (800)827-4374 Fax: (317) 486-5095

I - 64089

Customer name/number: CBS Corp, Project Name: Lemon Lane, Z Quote No: (Given to you by your contact), PO No. or Project/Activity ID: BL0177, PRINT HERITAGE TSR NAME: CUSTOMER STATUS: New / Existing, Sampled By: N. Vaughan, Date Sampled, Time sampled, Sample ID and/or Location, Sample type (Matrix), Number of Containers, Analyses Requested, Send Report To: CBS Corp, Add: 2002 W. Vernal Pike, Bloomington IN 47404, Attn: Mike McCann, Phone: (812) 335-0424, Sample Turn Around Time, Standard: Rush Date, Lab use only Sample No., Relinquished by, Received by, Laboratory use only, Custody seals present/intact?, Broken containers?, COC agree with sample labels?, Correct containers for testing?, Headspace issues acceptable?, Holding time(s) acceptable?, Preservative pH's acceptable?, Was pH left unadjusted?

ORIGINAL



01045914

RITAGE ENVIRONMENTAL SERVICES, LLC.

COMMERCIAL LABORATORY OPERATIONS

7901 West Morris Street Indianapolis IN 46231

www.heritage-enviro.com (800)827-4374 Fax: (317) 486-5095

I - 64107

Customer name/number: <u>CBS Corp</u>		Submitter #		Analyses Requested (Note special detection limits or methods)										Send Report To:							
Project Name: <u>Lemon Lane</u>														Co: <u>CBS Corp</u>							
Z Quote No: (Given to you by your contact)														Add: <u>2002 W. Vernal Pike</u>							
PO No. or Project/Activity ID: <u>BL 0177</u>														Bloomington IN 47404							
PRINT HERITAGE TSR NAME:														Attn: <u>Mike McCann</u>							
CUSTOMER STATUS: New / Existing If no previous credit has been established with Heritage, prepayment (check, VISA, etc) is required at the time of sample submittal to the laboratory.														Phone: <u>(812) 335-0424</u> Yes							
Sampled By: <u>N. Vaughan</u>														Fax: ()							
														E-mail:							
														Sample Turn Around Time							
														Standard: _____ Rush Date: _____ Mo Day Yr							
														(Accelerated TAT subject to Additional Charge) (Date must be Accepted and Approved by Lab)							
Date Sampled	Time sampled	Comd	Grab	Sample ID and/or Location where your sample was taken	Sample type (Main): DW, GW, WW, Soil, Oil, Sludge, Swipe, Other	Number of Containers	PCB	TSS									Remarks:	Lab use only Sample No.			
1-23-09	1500 AM	X	X	LL13242	WS	4	X	X									MS/MSD	A037966			
	1510 AM	X	X	LL13243		2	X	X										967			
	1515 PM	X	X	LL13244		2	X	X										968			
1525	1530 PM	X	X	LL13245		2	X	X										969			
	1530 AM	X	X	LL13246		2	X	X										970			
	1550 PM	X	X	LL13247		2	X	X										971			
	1600 AM	X	X	LL13248		2	X	X										972			
	1600 PM	X	X	LL13249		2	X	X										973			
Relinquished by: (Signature) <u>N. Vaughan</u>		Date/Time <u>1-26-09, 0850</u>		Received by: (Signature)												Laboratory use only		Yes No		Comments:	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)												Custody seals present/intact?		✓			
Relinquished by: (Signature)		Date/Time		Received by: (Signature)												Broken containers?		✓			
Relinquished by: (Signature)		Date/Time		Received by: (Signature)												COC agree with sample labels?		✓			
Relinquished by: (Signature)		Date/Time		Received by: (Signature)												Correct containers for testing?		✓			
Received for Lab by: (Signature) <u>Jamie Olson</u>		Date <u>1/24/09</u>		Temp. <u>518 °C</u>												Headspace issues acceptable?		✓			
		Time <u>0850</u>		ROF: <u>Yes No</u>												Holding time(s) acceptable?		✓			
																Preservative pH's acceptable?		✓			
																Was pH left unadjusted?		✓			

ORIGINAL

APPENDIX B

Certificates of Analysis



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received 20-NOV-08	Project 4602	Lab ID A831628
	Completed 01-DEC-08	PO Number BL0177*****	
	Printed 02-JAN-09	Sampled 20-NOV-08 14:00	

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description CLIENT ID: LL13227 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: NEAL'S LANDFILL BLANKET ORDER RELEASE: BL0177
--

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: T. PINCKERT	Analysis Date: 21-NOV-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: D. EISELE	Analysis Date: 23-NOV-08 21:39	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	0.69	0.10	ug/L
PCB AROCLOR 1248	BDL	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	120.0		% Rec
...			
SUMMATION OF AROCLORS	0.69	0.20	ug/L



Aroclor 1242 is degraded and shows some Aroclor 1248 characteristics.
 Due to the presence of Aroclor 1242 and the fact that Aroclor 1242 and Aroclor 1016 coelute, the Aroclor 1016 recoveries are skewed high in MS/MSD.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.			NELAC:Y
Analyst: C. HUBLEY	Analysis Date: 21-NOV-08 13:00	Test: G403.8.0	
Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	21	1	mg/L

Sample Comments

BDL Below Detection Limit
 Sample was received on ice at temperature 11.2 C.
 Sample chain of custody number 64084.

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Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.
 Indiana SDWA Lab Accred. No. C-49-01

Additional copies of this report sent to:
 RUSS CEPKO, CBS CORP
 11 STANWIX STREET, PITTSBURG, PA 15222-1384

Scott A Bryan

Approved by: SCOTT BRYAN 01-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	20-NOV-08	Project	4602	Lab ID	A831629
	Completed	01-DEC-08	PO Number			
	Printed	02-JAN-09	Sampled			
				BL0177*****		20-NOV-08 14:15

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description

CLIENT ID: LL13228
 MATRIX TYPE: NON-SPECIFIC WATER
 SUBMITTER CODE: 2226
 MATRIX: WS
 LOCATION: NEAL'S LANDFILL
 BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: T. PINCKERT	Analysis Date: 21-NOV-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC.Y
Analyst: D. EISELE	Analysis Date: 23-NOV-08 21:39	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	0.62	0.10	ug/L
PCB AROCLOR 1248	BDL	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	128.0		% Rec
...			
SUMMATION OF AROCLORS	0.62	0.20	ug/L



Aroclor 1242 is degraded and shows some Aroclor 1248 characteristics.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: C. HUBLEY

Analysis Date: 21-NOV-08 13:00

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	9	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 11.2 C.
Sample chain of custody number 64084.

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Indiana SDWA Lab Accred. No. C-49-01

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 01-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	20-NOV-08	Project	4602	Lab ID	A831630
	Completed	01-DEC-08	PO Number			
	Printed	02-JAN-09	Sampled			
		20-NOV-08 14:20				

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description

CLIENT ID: LL13229
 MATRIX TYPE: NON-SPECIFIC WATER
 SUBMITTER CODE: 2226
 MATRIX: WS
 LOCATION: NEAL'S LANDFILL
 BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: T. PINCKERT	Analysis Date: 21-NOV-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: D. EISELE	Analysis Date: 23-NOV-08 21:39	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	1.6	0.10	ug/L
PCB AROCLOR 1248	BDL	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	124.0		% Rec
...			
SUMMATION OF AROCLORS	1.6	0.20	ug/L



TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: C. HUBLEY	Analysis Date: 21-NOV-08 13:00	Test: G403.8.0	
Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	17	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 11.2 C.
Sample chain of custody number 64084.

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the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 01-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	20-NOV-08	Project	4602	Lab ID	A831631	
	Completed	01-DEC-08	PO Number				BL0177*****
	Printed	02-JAN-09	Sampled				20-NOV-08 14:40

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description
CLIENT ID: LL13230 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: NEAL'S LANDFILL BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: T. PINCKERT	Analysis Date: 21-NOV-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: D. EISELE	Analysis Date: 23-NOV-08 21:39	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	2.9	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	130.0		% Rec
...			
SUMMATION OF AROCLORS	2.9	0.20	ug/L



Aroclor 1248 is badly degraded and contains characteristics of both Aroclor 1016 and Aroclor 1242.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: C. HUBLEY		Analysis Date: 21-NOV-08 13:00	
Parameter		Result	Det. Limit
SUSPENDED SOLIDS		1	1
			Units
			mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 11.2 C.
Sample chain of custody number 64084.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.

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Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

Additional copies of this report sent to:

RUSS CEPKO, CBS CORP
11 STANWIX STREET, PITTSBURG, PA 15222-1384

Scott A Bryan

Approved by: SCOTT BRYAN 01-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	20-NOV-08	Project	4602	Lab ID	A831632
	Completed	01-DEC-08	PO Number			
	Printed	02-JAN-09	Sampled			
		BL0177*****				
		20-NOV-08 14:50				

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description
CLIENT ID: LL13231 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: NEAL'S LANDFILL BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: T. PINCKERT	Analysis Date: 21-NOV-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: D. EISELE	Analysis Date: 23-NOV-08 21:39	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	BDL	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	120.0		% Rec
...			
SUMMATION OF AROCLORS	BDL	0.20	ug/L



TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: C. HUBLEY	Analysis Date: 21-NOV-08 13:00	Test: G403.8.0	
Parameter SUSPENDED SOLIDS	Result 1	Det. Limit	Units 1 mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 11.2 C.
Sample chain of custody number 64084.

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the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

Additional copies of this report sent to:

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 01-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received 20-NOV-08	Project 4602	Lab ID A831633
	Completed 01-DEC-08	PO Number BL0177*****	
	Printed 02-JAN-09	Sampled 20-NOV-08 14:55	

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description CLIENT ID: LL13232 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: NEAL'S LANDFILL BLANKET ORDER RELEASE: BL0177
--

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: T. PINCKERT	Analysis Date: 21-NOV-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC.Y
Analyst: D. EISELE	Analysis Date: 23-NOV-08 21:39	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	1.0	ug/L
PCB AROCLOR 1221	BDL	2.0	ug/L
PCB AROCLOR 1232	BDL	1.0	ug/L
PCB AROCLOR 1242	18	1.0	ug/L
PCB AROCLOR 1248	BDL	1.0	ug/L
PCB AROCLOR 1254	BDL	1.0	ug/L
PCB AROCLOR 1260	BDL	1.0	ug/L
PCB AROCLOR 1262	BDL	1.0	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	120.0		% Rec
...			
SUMMATION OF AROCLORS	18	2.0	ug/L



1:10 Dilution.

Aroclor 1242 is degraded and shows some Aroclor 1248 characteristics.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: C. HUBLEY

Analysis Date: 21-NOV-08 13:00

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	1		1 mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 11.2 C.
Sample chain of custody number 64084.

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without the written approval of the lab.

The sample results relate only to the analytes of interest tested
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the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC
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Indiana SDWA Lab Accred. No. C-49-01

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 01-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received 20-NOV-08	Project 4602	Lab ID A831634
	Completed 01-DEC-08	PO Number BL0177*****	
	Printed 02-JAN-09	Sampled 20-NOV-08 14:55	

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description CLIENT ID: LL13233 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: NEAL'S LANDFILL BLANKET ORDER RELEASE: BL0177
--

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: T. PINCKERT	Analysis Date: 21-NOV-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: D. EISELE	Analysis Date: 23-NOV-08 21:39	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	1.0	ug/L
PCB AROCLOR 1221	BDL	2.0	ug/L
PCB AROCLOR 1232	BDL	1.0	ug/L
PCB AROCLOR 1242	17	1.0	ug/L
PCB AROCLOR 1248	BDL	1.0	ug/L
PCB AROCLOR 1254	BDL	1.0	ug/L
PCB AROCLOR 1260	BDL	1.0	ug/L
PCB AROCLOR 1262	BDL	1.0	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	140.0		% Rec
...			
SUMMATION OF AROCLORS	17	2.0	ug/L



1:10 Dilution.

Aroclor 1242 is degraded and shows some Aroclor 1248 characteristics.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: C. HUBLEY

Analysis Date: 21-NOV-08 13:00

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	2	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 11.2 C.
Sample chain of custody number 64084.

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Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

Additional copies of this report sent to:

RUSS CEPKO, CBS CORP
11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 01-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received 18-DEC-08	Project 4602	Lab ID A834837
	Completed 29-DEC-08	PO Number BL0177*****	
	Printed 29-DEC-08	Sampled 15-DEC-08 15:15	

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description CLIENT ID: LL13234 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: LEMON LANE BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: A. DUKES	Analysis Date: 19-DEC-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5.0		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: R. DALAL	Analysis Date: 19-DEC-08 19:48	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	BDL	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	124		% Rec
...			
SUMMATION OF AROCLORS	BDL	0.20	ug/L



TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: T. DRIGGERS		Analysis Date: 19-DEC-08 11:00	
		Test: G403.8.0	
Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	13	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 64089.

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Heritage Environmental Services, LLC certifies that the test results
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Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 29-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received 18-DEC-08	Project 4602	Lab ID A834838
	Completed 29-DEC-08	PO Number BL0177*****	
	Printed 29-DEC-08	Sampled 16-DEC-08 10:20	

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description

CLIENT ID: LL13235
 MATRIX TYPE: NON-SPECIFIC WATER
 SUBMITTER CODE: 2226
 MATRIX: WS
 LOCATION: LEMON LANE
 BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: A. DUKES	Analysis Date: 19-DEC-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5.0		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC-Y
Analyst: R. DALAL	Analysis Date: 19-DEC-08 19:48	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	0.56	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	130		% Rec
...			
SUMMATION OF AROCLORS	0.56	0.20	ug/L



Aroclor 1248 is degraded and shows some Aroclor 1242 characteristics.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: T. DRIGGERS

Analysis Date: 19-DEC-08 11:00

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	17	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 64089.

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Indiana SDWA Lab Accred. No. C-49-01

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 29-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	18-DEC-08	Project	4602	Lab ID	A834839
	Completed	29-DEC-08	PO Number			
	Printed	29-DEC-08	BL0177*****			
			Sampled		16-DEC-08 10:35	

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description

CLIENT ID: LL13236
 MATRIX TYPE: NON-SPECIFIC WATER
 SUBMITTER CODE: 2226
 MATRIX: WS
 LOCATION: LEMON LANE
 BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: A. DUKES	Analysis Date: 19-DEC-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5.0		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: R. DALAL	Analysis Date: 19-DEC-08 19:48	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	0.36	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	134		% Rec
...			
SUMMATION OF AROCLORS	0.36	0.20	ug/L



Aroclor 1248 is degraded and shows some Aroclor 1242 characteristics.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: T. DRIGGERS	Analysis Date: 19-DEC-08 11:00	Test: G403.8.0	

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	2	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 64089.

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Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

Additional copies of this report sent to:

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Scott A Bryan

Approved by: SCOTT BRYAN 29-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	18-DEC-08	Project	4602	Lab ID	A834840	
	Completed	29-DEC-08	PO Number				BL0177*****
	Printed	29-DEC-08	Sampled				16-DEC-08 10:40

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description

CLIENT ID: LL13237
 MATRIX TYPE: NON-SPECIFIC WATER
 SUBMITTER CODE: 2226
 MATRIX: WS
 LOCATION: LEMON LANE
 BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: A. DUKES	Analysis Date: 19-DEC-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5.0		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: R. DALAL	Analysis Date: 19-DEC-08 19:48	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	0.57	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	120		% Rec
...			
SUMMATION OF AROCLORS	0.57	0.20	ug/L



Aroclor 1248 is degraded and shows some Aroclor 1242 characteristics.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: T. DRIGGERS

Analysis Date: 19-DEC-08 11:00

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	9	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 64089.

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Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.

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accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 29-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	Project	Lab ID
	18-DEC-08	4602	A834841
	Completed	PO Number	
29-DEC-08	BL0177*****		
Printed	Sampled		
29-DEC-08	16-DEC-08 11:20		

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description
CLIENT ID: LL13238 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: LEMON LANE BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: A. DUKES	Analysis Date: 19-DEC-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5.0		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: R. DALAL	Analysis Date: 19-DEC-08 19:48	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	BDL	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	100		% Rec
...			
SUMMATION OF AROCLORS	BDL	0.20	ug/L



TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: T. DRIGGERS	Analysis Date: 19-DEC-08 11:00	Test: G403.8.0	

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	BDL		1 mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 64089.

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accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

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Scott A Bryan

Approved by: SCOTT BRYAN 29-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	18-DEC-08	Project	4602	Lab ID	A834842	
	Completed	29-DEC-08	PO Number				BL0177*****
	Printed	29-DEC-08	Sampled				16-DEC-08 11:10

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description

CLIENT ID: LL13239
 MATRIX TYPE: NON-SPECIFIC WATER
 SUBMITTER CODE: 2226
 MATRIX: WS
 LOCATION: LEMON LANE
 BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: A. DUKES	Analysis Date: 19-DEC-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5.0		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: R. DALAL	Analysis Date: 19-DEC-08 19:48	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	1.6	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	122		% Rec
...			
SUMMATION OF AROCLORS	1.6	0.20	ug/L



Aroclor 1248 is degraded and shows some Aroclor 1242 characteristics.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: T. DRIGGERS		Analysis Date: 19-DEC-08 11:00	
		Test: G403.8.0	
Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	1	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 64089.

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Indiana SDWA Lab Accred. No. C-49-01

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Scott A Bryan

Approved by: SCOTT BRYAN 29-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	18-DEC-08	Project	4602	Lab ID	A834843	
	Completed	29-DEC-08	PO Number				BL0177*****
	Printed	29-DEC-08	Sampled				16-DEC-08 11:40

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description
CLIENT ID: LL13240 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: LEMON LANE BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: A. DUKES	Analysis Date: 19-DEC-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5.0		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC.Y
Analyst: A. DUKES	Analysis Date: 22-DEC-08 17:04	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	1.0	ug/L
PCB AROCLOR 1221	BDL	2.0	ug/L
PCB AROCLOR 1232	BDL	1.0	ug/L
PCB AROCLOR 1242	BDL	1.0	ug/L
PCB AROCLOR 1248	7.4	1.0	ug/L
PCB AROCLOR 1254	BDL	1.0	ug/L
PCB AROCLOR 1260	BDL	1.0	ug/L
PCB AROCLOR 1262	BDL	1.0	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	100.0		% Rec
...			
SUMMATION OF AROCLORS	7.4	2.0	ug/L



1:10 Dilution.

Aroclor 1248 is degraded with Aroclor 1242 characteristics.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: T. DRIGGERS

Analysis Date: 19-DEC-08 11:00

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	2		1 mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 64089.

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Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
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accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 29-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	18-DEC-08	Project	4602	Lab ID	A834844
	Completed	29-DEC-08	PO Number			
	Printed	29-DEC-08	Sampled			
				BL0177*****		
			16-DEC-08 11:40			

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description
CLIENT ID: LL13241 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: LEMON LANE BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: A. DUKES	Analysis Date: 19-DEC-08	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5.0		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC.Y
Analyst: A. DUKES	Analysis Date: 22-DEC-08 17:04	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	1	ug/L
PCB AROCLOR 1221	BDL	2	ug/L
PCB AROCLOR 1232	BDL	1	ug/L
PCB AROCLOR 1242	BDL	1	ug/L
PCB AROCLOR 1248	8.9	1	ug/L
PCB AROCLOR 1254	BDL	1	ug/L
PCB AROCLOR 1260	BDL	1	ug/L
PCB AROCLOR 1262	BDL	1	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	120.0		% Rec
...			
SUMMATION OF AROCLORS	8.9	2	ug/L



1:10 Dilution.

Aroclor 1248 is degraded with Aroclor 1242 characteristics.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: T. DRIGGERS

Analysis Date: 19-DEC-08 11:00

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	BDL		1 mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 64089.

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the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

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11 STANWIX STREET, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 29-DEC-08



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	Project	Lab ID
	26-JAN-09	4602	A837966
	Completed	PO Number	
29-JAN-09	BL0177*****		
Printed	Sampled		
04-FEB-09	23-JAN-09 15:00		

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description
CLIENT ID: LL13242 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: LEMON LANE BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: K. VEST	Analysis Date: 26-JAN-09	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: J. BISSINGER	Analysis Date: 27-JAN-09 16:31	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	0.72	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	164.0		% Rec
...			
SUMMATION OF AROCLORS	0.72	0.20	ug/L



Due to Aroclor 1248 being present in the sample and that Aroclor 1016 and Aroclor 1248 coelute, the Aroclor 1016 was not reported in MS and MSD.

Aroclor is degraded.

Surrogate had concentrated resulting in elevated recoveries. Surrogate has been replaced.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: A. DUKES	Analysis Date: 27-JAN-09 13:45	Test: G403.8.0	
Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	33	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 64107.

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Indiana SDWA Lab Accred. No. C-49-01

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Scott A Bryan

Approved by: SCOTT BRYAN 29-JAN-09



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	26-JAN-09	Project	4602	Lab ID	A837967
	Completed	29-JAN-09	PO Number			
	Printed	04-FEB-09	Sampled			
						BL0177*****
						23-JAN-09 15:10

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description

CLIENT ID: LL13243
 MATRIX TYPE: NON-SPECIFIC WATER
 SUBMITTER CODE: 2226
 MATRIX: WS
 LOCATION: LEMON LANE
 BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: K. VEST	Analysis Date: 26-JAN-09	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: J. BISSINGER	Analysis Date: 27-JAN-09 16:31	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	0.56	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	168.0		% Rec
...			
SUMMATION OF AROCLORS	0.56	0.20	ug/L



Aroclor is degraded.
Surrogate had concentrated resulting in elevated recoveries. Surrogate has been replaced.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED. NELAC:Y
Analyst: A. DUKES Analysis Date: 27-JAN-09 13:45 Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	3	1	mg/L

Sample Comments

BDL Below Detection Limit
 Sample was received on ice at temperature 5.8 C.
 Sample chain of custody number 64107.

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 Indiana SDWA Lab Accred. No. C-49-01

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Scott A Bryan

Approved by: SCOTT BRYAN 29-JAN-09



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	26-JAN-09	Project	4602	Lab ID	A837968
	Completed	29-JAN-09	PO Number			
	Printed	04-FEB-09	Sampled			
				BL0177*****		
			23-JAN-09 15:15			

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
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Sample Description
CLIENT ID: LL13244 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: LEMON LANE BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: K. VEST	Analysis Date: 26-JAN-09	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC.Y
Analyst: J. BISSINGER	Analysis Date: 27-JAN-09 16:31	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	0.94	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	174.0		% Rec
...			
SUMMATION OF AROCLORS	0.94	0.20	ug/L



Aroclor is degraded.
Surrogate had concentrated resulting in elevated recoveries. Surrogate has been replaced.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: A. DUKES		Analysis Date: 27-JAN-09 13:45	
Parameter		Result	Units
SUSPENDED SOLIDS		6	1 mg/L

Sample Comments

BDL Below Detection Limit
 Sample was received on ice at temperature 5.8 C.
 Sample chain of custody number 64107.

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Indiana SDWA Lab Accred. No. C-49-01

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Scott A Bryan

Approved by: SCOTT BRYAN 29-JAN-09



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	Project	Lab ID
	26-JAN-09	4602	A837969
	Completed	PO Number	
29-JAN-09	BL0177*****		
Printed	Sampled		
04-FEB-09	23-JAN-09 15:25		

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
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Sample Description

CLIENT ID: LL13245
 MATRIX TYPE: NON-SPECIFIC WATER
 SUBMITTER CODE: 2226
 MATRIX: WS
 LOCATION: LEMON LANE
 BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: K. VEST	Analysis Date: 26-JAN-09	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC.Y
Analyst: J. BISSINGER	Analysis Date: 27-JAN-09 16:31	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	2.6	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	160.0		% Rec
...			
SUMMATION OF AROCLORS	2.6	0.20	ug/L



Aroclor is degraded.
Surrogate had concentrated resulting in elevated recoveries. Surrogate has been replaced.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: A. DUKES

Analysis Date: 27-JAN-09 13:45

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	3	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 64107.

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Approved by: SCOTT BRYAN 29-JAN-09



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	26-JAN-09	Project	4602	Lab ID	A837970
	Completed	29-JAN-09	PO Number			
	Printed	04-FEB-09	Sampled			
				BL0177*****		
				23-JAN-09 15:30		

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
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Sample Description
CLIENT ID: LL13246 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: LEMON LANE BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: K. VEST	Analysis Date: 26-JAN-09	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC.Y
Analyst: J. BISSINGER	Analysis Date: 27-JAN-09 16:31	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	0.71	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	172.0		% Rec
...			
SUMMATION OF AROCLORS	0.71	0.20	ug/L



Aroclor is degraded.
Surrogate had concentrated resulting in elevated recoveries. Surrogate has been replaced.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: A. DUKES

Analysis Date: 27-JAN-09 13:45

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	16	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 64107.

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Approved by: SCOTT BRYAN 29-JAN-09



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	26-JAN-09	Project	4602	Lab ID	A837971	
	Completed	29-JAN-09	PO Number				BL0177*****
	Printed	04-FEB-09	Sampled				23-JAN-09 15:50

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
--	--

Sample Description
CLIENT ID: LL13247 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: LEMON LANE BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: K. VEST	Analysis Date: 26-JAN-09	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC.Y
Analyst: J. BISSINGER	Analysis Date: 27-JAN-09 16:31	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.20	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	BDL	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	BDL	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	142.0		% Rec
...			
SUMMATION OF AROCLORS	BDL	0.20	ug/L



Surrogate had concentrated resulting in elevated recoveries. Surrogate has been replaced.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.		NELAC:Y	
Analyst: A. DUKES	Analysis Date: 27-JAN-09 13:45	Test: G403.8.0	
Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	BDL	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 64107.

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Scott A Bryan

Approved by: SCOTT BRYAN 29-JAN-09



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	Project	Lab ID
	26-JAN-09	4602	A837972
	Completed	PO Number	
29-JAN-09	BL0177*****		
Printed	Sampled		
04-FEB-09	23-JAN-09 16:00		

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
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Sample Description

CLIENT ID: LL13248
 MATRIX TYPE: NON-SPECIFIC WATER
 SUBMITTER CODE: 2226
 MATRIX: WS
 LOCATION: LEMON LANE
 BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: K. VEST	Analysis Date: 26-JAN-09	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC.Y
Analyst: J. BISSINGER	Analysis Date: 27-JAN-09 16:31	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	1.0	ug/L
PCB AROCLOR 1221	BDL	2.0	ug/L
PCB AROCLOR 1232	BDL	1.0	ug/L
PCB AROCLOR 1242	BDL	1.0	ug/L
PCB AROCLOR 1248	17	1.0	ug/L
PCB AROCLOR 1254	BDL	1.0	ug/L
PCB AROCLOR 1260	BDL	1.0	ug/L
PCB AROCLOR 1262	BDL	1.0	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	260.0		% Rec
...			
SUMMATION OF AROCLORS	17	2.0	ug/L



1:10 Dilution.

Aroclor is degraded. Surrogate had concentrated resulting in elevated recoveries. Surrogate has been replaced.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: A. DUKES

Analysis Date: 27-JAN-09 13:45

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	1		1 mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 64107.

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without the written approval of the lab.

The sample results relate only to the analytes of interest tested
or to the sample as received by the lab.

Heritage Environmental Services, LLC certifies that the test results
indicated as NELAC (National Environmental Laboratory Accreditation
Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.

Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.

Indiana SDWA Lab Accred. No. C-49-01

Additional copies of this report sent to:

RUSS CEPKO, CBS CORP - NATIONAL CITY CENTER
20 STANWIX STREET 10TH FLOOR, PITTSBURG, PA 15222-1384

Approved by: SCOTT BRYAN 30-JAN-09



CERTIFICATE OF ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	Received	Project	Lab ID
	26-JAN-09	4602	A837973
	Completed	PO Number	
29-JAN-09	BL0177*****		
Printed	Sampled		
04-FEB-09	23-JAN-09 16:00		

Report To NEILL VAUGHN CBS CORP 2002 WEST VERNAL PIKE BLOOMINGTON, IN 47404	Bill To BETH STEIGERWALD CBS CORPORATION 11 STANWIX STREET PITTSBURGH, PA 15222
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Sample Description
CLIENT ID: LL13249 MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER CODE: 2226 MATRIX: WS LOCATION: LEMON LANE BLANKET ORDER RELEASE: BL0177

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C			
Analyst: K. VEST	Analysis Date: 26-JAN-09	Instrument: PREP	Test: P230.1.0
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082			NELAC:Y
Analyst: J. BISSINGER	Analysis Date: 27-JAN-09 16:31	Instrument: GC/ECD	Test: O301.7.0
Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0			
Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.5	ug/L
PCB AROCLOR 1221	BDL	1.0	ug/L
PCB AROCLOR 1232	BDL	0.5	ug/L
PCB AROCLOR 1242	BDL	0.5	ug/L
PCB AROCLOR 1248	13	0.5	ug/L
PCB AROCLOR 1254	BDL	0.5	ug/L
PCB AROCLOR 1260	BDL	0.5	ug/L
PCB AROCLOR 1262	BDL	0.5	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	160.0		% Rec
...			
SUMMATION OF AROCLORS	13	1.0	ug/L



1:5 Dilution.

Aroclor is degraded. Surrogate had concentrated resulting in elevated recoveries. Surrogate has been replaced.

TOTAL SUSPENDED SOLIDS DRIED AT 103-105 DEGREES C SM 2540 D, 19TH ED.

NELAC:Y

Analyst: A. DUKES

Analysis Date: 27-JAN-09 13:45

Test: G403.8.0

Parameter	Result	Det. Limit	Units
SUSPENDED SOLIDS	2	1	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 64107.

This Certificate shall not be reproduced, except in full,
without the written approval of the lab.

The sample results relate only to the analytes of interest tested
or to the sample as received by the lab.

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indicated as NELAC (National Environmental Laboratory Accreditation
Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
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Approved by: SCOTT BRYAN 29-JAN-09

APPENDIX C

Data Validation

Validation Results
November 2008
Lemon Lane Spring Water Samples

1. Validation of the following samples has been completed:
 - **LL13227 - LL13233**
2. Validation was performed per the requirements for level 4 data in the project QAPjP. This includes a check for; Holding Time, Calibration, Blank Contamination, Precision, Accuracy, and Accuracy of Nominal Reporting Limits against method requirements.
3. Based on this review, **no** data qualifications are recommended.
4. The QAPjP requires an assessment of the overall data quality with respect to Precision, Accuracy, Representativeness, Completeness and Comparability (PARCC).
 - o Precision and accuracy: Precision and accuracy were assessed by reviewing the lab performance on lab spiked samples, lab spike duplicates and field duplicates. All requirements were met.
 - o Representativeness: The representativeness requirement involves an assessment of the field sampling and lab analytical techniques. The field sampling locations and techniques as well as lab procedures were in accordance with the approved sampling plan and QAPjP. Therefore the representativeness requirements were met.
 - o Completeness: The completeness goal for the project was for all project data to be 90% accepted. Completeness is calculated by dividing the total number of acceptable analyses by the total performed. An acceptable analysis is defined as one that conformed to QC protocols and is not rejected. All these analyses were accepted. The project completeness goal has been met to date.
 - o Comparability: All the samples taken, analyzed and validated by CBS were taken by CBS or it's contractor's sampling crews using the same procedures as previous samples at this location. These samples were analyzed by Heritage Labs. Care should be taken when attempting to trend Heritage sample results with other labs using slightly different procedures. Overall these results should be directly comparable to other Heritage lab results from these locations.

Overall, the main objective of the sampling event was to determine if PCBs are present at a concentration of 0.1 ppb or more. This data is of sufficient quality to satisfy this goal.

Validation Results
December 2008
Lemon Lane Spring Water Samples

1. Validation of the following samples has been completed:
 - **LL13234 - LL13241**
2. Validation was performed per the requirements for level 4 data in the project QAPjP. This includes a check for; Holding Time, Calibration, Blank Contamination, Precision, Accuracy, and Accuracy of Nominal Reporting Limits against method requirements.
3. Based on this review, **no** data qualifications are recommended.
4. The QAPjP requires an assessment of the overall data quality with respect to Precision, Accuracy, Representativeness, Completeness and Comparability (PARCC).
 - o Precision and accuracy: Precision and accuracy were assessed by reviewing the lab performance on lab spiked samples, lab spike duplicates and field duplicates. All requirements were met.
 - o Representativeness: The representativeness requirement involves an assessment of the field sampling and lab analytical techniques. The field sampling locations and techniques as well as lab procedures were in accordance with the approved sampling plan and QAPjP. Therefore the representativeness requirements were met.
 - o Completeness: The completeness goal for the project was for all project data to be 90% accepted. Completeness is calculated by dividing the total number of acceptable analyses by the total performed. An acceptable analysis is defined as one that conformed to QC protocols and is not rejected. All these analyses were accepted. The project completeness goal has been met to date.
 - o Comparability: All the samples taken, analyzed and validated by CBS were taken by CBS or it's contractor's sampling crews using the same procedures as previous samples at this location. These samples were analyzed by Heritage Labs. Care should be taken when attempting to trend Heritage sample results with other labs using slightly different procedures. Overall these results should be directly comparable to other Heritage lab results from these locations.

Overall, the main objective of the sampling event was to determine if PCBs are present at a concentration of 0.1 ppb or more. This data is of sufficient quality to satisfy this goal.

Validation Results
January 2009
Lemon Lane Spring Water Samples

1. Validation of the following samples has been completed:
 - **LL13242 - LL13249**
2. Validation was performed per the requirements for level 4 data in the project QAPjP. This includes a check for; Holding Time, Calibration, Blank Contamination, Precision, Accuracy, and Accuracy of Nominal Reporting Limits against method requirements.
3. Based on this review, **no** data qualifications are recommended.
4. The QAPjP requires an assessment of the overall data quality with respect to Precision, Accuracy, Representativeness, Completeness and Comparability (PARCC).
 - o Precision and accuracy: Precision and accuracy were assessed by reviewing the lab performance on lab spiked samples, lab spike duplicates and field duplicates. All requirements were met.
 - o Representativeness: The representativeness requirement involves an assessment of the field sampling and lab analytical techniques. The field sampling locations and techniques as well as lab procedures were in accordance with the approved sampling plan and QAPjP. Therefore the representativeness requirements were met.
 - o Completeness: The completeness goal for the project was for all project data to be 90% accepted. Completeness is calculated by dividing the total number of acceptable analyses by the total performed. An acceptable analysis is defined as one that conformed to QC protocols and is not rejected. All these analyses were accepted. The project completeness goal has been met to date.
 - o Comparability: All the samples taken, analyzed and validated by CBS were taken by CBS or its contractor's sampling crews using the same procedures as previous samples at this location. These samples were analyzed by Heritage Labs. Care should be taken when attempting to trend Heritage sample results with other labs using slightly different procedures. Overall these results should be directly comparable to other Heritage lab results from these locations.

Overall, the main objective of the sampling event was to determine if PCBs are present at a concentration of 0.1 ppb or more. This data is of sufficient quality to satisfy this goal.

APPENDIX D

Instrument Maintenance Log
