Beazer

BEAZER EAST, INC. C/O THREE RIVERS MANAGEMENT, INC.
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October 26, 2009

Ms. Carolyn Bury
U. S. Environmental Protection Agency, Region V
77 West Jackson Boulevard
Mail Code DE-9J
Chicago, IL 60604-3590

Re: Former Koppers Wood-Treating Site – Carbondale, Illinois
Work Plan for Additional Investigations

Dear Ms. Bury:

In response to a December 18, 2008 letter from the United States Environmental Protection Agency (USEPA), Beazer East, Inc. (Beazer) submitted the following three Sampling and Analysis Plans (SAPs) for the above-referenced Site to the USEPA on May 7, 2009:

- Sampling and Analysis Plan for Evaluation Area 1 – Southern Drainage Ditches
- Sampling and Analysis Plan for PCDD/PCDF Sampling – Evaluation Areas 2, 3 and 5
- Sampling and Analysis Plan for PCDD/PCDF Sediment Sampling – Crab Orchard Creek

The SAPs have been revised to address USEPA's August 10 and September 24, 2009 comment letters, as discussed and agreed to on multiple conference calls. The revised/final SAPs are provided with this letter as Attachments A (Southern Drainage Ditches), B (Evaluation Areas 2, 3 and 5) and C (Crab Orchard Creek).

In addition to submitting the final SAPs, this letter also provides the following quality assurance (QA)-related information specific to the attached SAPs, in response to USEPA's September 24, 2009 comment letter:

- Beazer's responses to USEPA's September 24, 2009 comments (Attachment D)
- A "Functional Quality Assurance Project Plan (QAPP)" approval page (Attachment E)
- A table indicating which sections of the February 2008 QAPP are relevant to each specific SAP (Attachment F)
- National Environmental Laboratory Accreditation Program (NELAP) certifications for TestAmerica and Vista Analytical Laboratory (Attachment G)

The final SAPs and attached QA-related information constitute a "Work Plan for Additional Investigations" at the Site. It is our understanding that USEPA will obtain the necessary signatures for the Functional QAPP approval page (Attachment E) as part of their approval of this Work Plan. Please contact me if you have any questions or comments.

Sincerely,

Michael Slenska, P.E.
Senior Environmental Manager

Enclosures

cc:
George Hamper, USEPA
James Moore, IEPA
Paul Anderson, AMEC
Alissa Weaver, AMEC
Jeffrey Holden, ARCADIS
David Bessingpas, ARCADIS

ARCADIS

Appendices

ARCADIS

Appendix A

Sampling and Analysis Plan for Evaluation Area 1 – Southern Drainage Ditches

SAMPLING AND ANALYSIS PLAN FOR EVALUATION AREA 1 – SOUTHERN DRAINAGE DITCHES

BEAZER EAST, INC.
FORMER KOPPERS WOOD-TREATING SITE
CARBONDALE, ILLINOIS

Introduction/Purpose

In response to a letter from the United States Environmental Protection Agency (USEPA) dated December 18, 2008, and in accordance with discussions during a January 28, 2009 meeting and multiple subsequent conference calls, Beazer East, Inc. (Beazer) has prepared this Sampling and Analysis Plan (SAP) for additional soil sampling activities in and around the southern drainage ditches area of the Former Koppers Wood-Treating Site in Carbondale, Illinois (the Site; Figure 1). This SAP, originally submitted on May 7, 2009, has been revised to address USEPA's August 10 and September 24, 2009 comment letters, as discussed and agreed to on multiple conference calls.

The investigations described herein are, in part, a continuation of prior efforts to characterize and delineate the extent of Site-related constituents in the vicinity of the southern drainage ditches. To the extent that these investigations include further characterization of the presence and distribution of polychlorinated dibenzo-p-dioxins/polychlorinated dibenzofurans (PCDDs/PCDFs) in soils, this SAP represents one component of additional PCDD/PCDF investigations required by USEPA's December 18, 2008 letter. In this regard, the southern drainage ditches represent one of several Evaluation Areas (EAs) – specifically, EA 1[1] – that have been developed in consultation with the USEPA. The scope of work for EAs 2, 3 and 5 is provided in a separate, concurrently submitted SAP.

Consistent with the USEPA's December 18, 2008 letter, data from the investigations described herein will be used to assess the need for and extent of remedial activities in the southern drainage ditches. Specifically, it is anticipated that the data will support identification of up to 3,000 cubic yards of soil that may be removed from the area for placement within the onsite Corrective Action Management Unit (CAMU) containment cell prior to final closure of the CAMU. In addition, the data will be used to support future human health and ecological risk evaluations of EA 1.

Background

Surficial soil samples from within, nearby and south of the southern drainage ditches area have been collected on three occasions over the last several years:

- In March 2005, USEPA collected surficial soil samples from residential areas south of the Site
- In May 2005, Beazer collected surficial soil samples to confirm/modify the proposed Former Process Area surface cover limits
- In March 2006 and March/June 2008, Beazer collected surficial soil samples to characterize the nature and extent of impacts in the southern drainage ditches area

[1] The boundary of EA 1 shown on Figure 1 was modified slightly during preparation of this SAP so that samples previously collected from the northern-most of the two southern drainage ditches are included in EA 1 rather than in EA 2, as identified on figures previously provided to the USEPA.

The sample locations associated with these three sample events that lie within, near and south of the southern drainage ditches area are shown on Figure 1, and the associated laboratory analytical data are summarized in Tables 1 and 2. These data, in part, served as the basis for developing the scope of work presented below. For example, where existing data indicate elevated concentrations, additional step-out locations are proposed in an effort to delineate the extent of impacts. Additionally, as requested by USEPA in a letter to Beazer dated August 10, 2009 and discussed with USEPA during multiple conference calls, additional sample locations have been proposed to more thoroughly characterize EA 1 and to provide data to support future risk evaluations.

Scope

Soil sampling is proposed at 34 locations (Figure 1)[2]. At each location, a sample[3] will be collected from the 0- to 0.5-foot depth interval using a stainless-steel trowel. Soil types/characteristics and descriptions of any non-aqueous phase liquid (NAPL), staining, odors and/or sheens will be recorded in a field notebook.

The analytical scope, location description and rationale for each sample location is summarized in Table 3. The following analytical methods will be used:

- Polycyclic aromatic hydrocarbons (PAHs) and pentachlorophenol – USEPA SW-846 Method 8270C
- Arsenic – USEPA SW-846 Method 6010B
- Polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans (PCDDs/PCDFs) – USEPA SW-846 Method 8290

As indicated in Table 3, not all samples will be analyzed for all constituent groups. Rather, samples from a given location will be analyzed for one or more parameters consistent with the characterization and delineation objectives. The numbers of samples from EA 1 proposed for analysis of each parameter group are summarized as follows:

- PAHs – 28
- Pentachlorophenol – 23
- Arsenic – 28
- PCDDs/PCDFs – 25

To the extent possible, recovered soils will be homogenized prior to placing them into sample containers. Excess soils will be placed back into the hole following sample collection. All sample locations will be staked and surveyed (or GPS-located) so that they can be accurately depicted on the site plan and re-established in the future, if necessary.

[2] As discussed with USEPA during multiple conference calls, if two sample locations along a flow path have elevated concentrations, it will be assumed that the area between the two samples has a similar concentration to the upgradient and downgradient locations.

[3] As indicated in Table 3, sample A1-17 is to be located within the topographic-based flow path between a culvert and the shallow ditch to the Large Pond. If multiple flow paths exist between the culvert and ditch, discrete samples will be collected from up to four flow paths and combined into a single composite sample. The analytical results of the composite sample will be assumed to be representative of each discrete sample location.

Quality Assurance/Quality Control

PAH, pentachlorophenol and arsenic samples will be analyzed by TestAmerica in Pittsburgh, Pennsylvania. PCDD/PCDF samples will be analyzed by Vista Analytical Laboratory in El Dorado Hills, California. Quality assurance/quality control (QA/QC) samples will be collected at the frequencies specified in the Quality Assurance Project Plan (QAPP; ARCADIS, February 2008). Analytical data will be validated in accordance with USEPA National Functional Guidelines for Data Review, as discussed in the QAPP.

Equipment Cleaning and Waste Management

Non-dedicated/non-disposable sampling equipment will be cleaned prior to use at each sample location following procedures outlined in the QAPP (i.e., non-phosphate detergent wash, distilled/deionized water rinse, and triple rinse sequence of solvent followed by distilled/deionized water).

In accordance with the QAPP, equipment cleaning fluids will be collected for treatment at the onsite wastewater treatment system (WWTS). Used personal protective equipment (PPE), disposable sampling equipment, and other miscellaneous wastes will be placed into a 55-gallon drum and staged at a designated area near the WWTS for subsequent characterization and disposal by Beazer.

Data Review and Reporting

Following completion of the sampling and receipt/validation of the laboratory analytical data, Beazer will prepare draft data summary tables and sample locations maps for review/discussion with USEPA. Data summary tables will include calculated values for Total PAHs (sum of 16 individual PAHs) and 2,3,7,8-TCDD Toxic Equivalents (TEQ; calculated using WHO-2005 Toxic Equivalency Factors).

Schedule

This SAP is one of three related plans provided in response to USEPA's December 18, 2008 letter and that address further investigation of PCDDs/PCDFs at the Site. Following USEPA approval of the planned scopes of work, Beazer anticipates that the work of these plans will be performed in a single mobilization. Pending suitable weather and field conditions, it is anticipated that the field work will be initiated within approximately two weeks following USEPA approval. The work of this SAP will require approximately two days to complete. Regardless of the start date or duration of the field work, the draft data summary tables and sample location maps will be submitted to the USEPA within approximately four to six weeks following receipt of all associated laboratory analytical data.

Tables

TABLE 1
SUMMARY OF EXISTING SOUTHERN DRAINAGE DITCHES AREA SURFICIAL (0-0.5') SOIL SAMPLE ANALYTICAL DATA (PENTA, PAHs, ARSENIC)

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID[1] Depth (feet bgs) Date Collected	S1 0 - 0.33' 03/03/05	S2 0 - 0.25' 03/03/05	S3 0 - 0.42' 03/03/05	S4 0 - 0.33' 03/03/05	S5 0 - 0.42' 03/03/05	S6 0 - 0.42' 03/03/05	S7 0 - 0.33' 03/03/05	S8 0 - 0.5' 03/03/05	S9 0 - 0.46' 03/03/05	S10 0 - 0.5' 03/03/05	S11 0 - 0.33' 03/03/05	S12 0 - 0.42' 03/03/05	SB-102 0 - 0.5' 05/03/05	SB-103 0 - 0.5' 05/03/05
SVOCs - 8270C (mg/kg)														
Acenaphthene	0.0053	0.00064 U	0.0080	0.0049 U	0.00080	0.00066 U	0.0012	0.00088	0.00070 U	0.00067 U	0.00066 U	0.00068 U	0.13 J	0.36 U
Acenaphthylene	0.17	0.0058	0.018	0.0087	0.010	0.0079	0.019	0.015	0.0099	0.0065	0.0022	0.0046	1.4 J	0.13 J
Anthracene	0.25	0.0094	0.052	0.033	0.020	0.014	0.037	0.031	0.018	0.012	0.0040	0.0099	1.1 J	0.16 J
Benzo(a)anthracene	0.45	0.011	0.096	0.059	0.017	0.019	0.036	0.024	0.017	0.013	0.0054	0.0087	5.2	0.2 J
Benzo(a)pyrene	0.37	0.012	0.084	0.046	0.017	0.015	0.037	0.018	0.011	0.0068	0.0040	0.0063	7.4	0.16 J
Benzo(b)fluoranthene	0.73	0.021	0.088	0.047	0.035	0.032	0.074	0.048	0.034	0.025	0.011	0.018	12	0.44
Benzo(g,h,i)perylene	0.29	0.0097	0.11	0.12	0.018	0.015	0.033	0.022	0.017	0.011	0.0055	0.0092	4.8	0.28 J
Benzo(k)fluoranthene	0.53	0.015	0.065	0.033	0.026	0.024	0.059	0.036	0.025	0.018	0.0076	0.014	4.4	0.14 J
Chrysene	0.67	0.019	0.12	0.079	0.035	0.031	0.075	0.059	0.036	0.025	0.011	0.019	6.7	0.3 J
Dibenzo(a,h)anthracene	0.092	0.0031	0.018	0.011	0.0045	0.0039	0.0090	0.0054	0.0044	0.0029	0.0012	0.0021	1.7 J	0.096 J
Fluoranthene	0.82	0.020	0.15	0.079	0.044	0.035	0.083	0.062	0.041	0.030	0.012	0.024	8.2	0.34 J
Fluorene	0.0040	0.00064 U	0.0061	0.0049 U	0.00092	0.00066 U	0.0010	0.00090	0.00070 U	0.00067 U	0.00066 U	0.00068 U	0.073 J	0.36 U
Indeno(1,2,3-cd)pyrene	0.40	0.013	0.071	0.043	0.022	0.019	0.045	0.029	0.022	0.015	0.0069	0.012	4.4	0.22 J
Naphthalene	0.11	0.0047	0.092	0.037	0.0041	0.0026	0.020	0.0059	0.0042	0.0030	0.0022	0.0022	1.2 J	0.052 J
Phenanthrene	0.24	0.011	0.30	0.19	0.018	0.012	0.041	0.020	0.016	0.012	0.0057	0.010	3.1	0.18 J
Pyrene	0.75	0.019	0.16	0.099	0.038	0.030	0.075	0.054	0.037	0.026	0.010	0.020	7.5	0.31 J
Total PAHs	5.9	0.17	1.4	0.88	0.31	0.26	0.64	0.43	0.29	0.21	0.09	0.16	69.3 J	3.01 J
Pentachlorophenol	0.51 U	0.47 U	0.55 U	0.51 U	0.52 U	0.49 U	0.58 U	0.48 U	0.54 U	0.51 U	0.49 U	0.54 U	11 U	1.8 U
Metals - 6010B (mg/kg)														
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See notes on Page 7

TABLE 1
SUMMARY OF EXISTING SOUTHERN DRAINAGE DITCHES AREA SURFICIAL (0-0.5') SOIL SAMPLE ANALYTICAL DATA (PENTA, PAHs, ARSENIC)

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID[1]	SB-104	SB-105	SB-115	SB-116	SB-117	SDD-1	SDD-1-TRB	SDD-1-TLB	SDD-1-15RB	SDD-1-15LB	SDD-1-SPL	SDD-4	SDD-4A
Depth (feet bgs)	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'
Date Collected	05/03/05	05/03/05	05/03/05	05/03/05	05/03/05	03/08/06	03/06/08	03/06/08	03/06/08	03/06/08	03/13/08	03/08/06	03/13/08
SVOCs - 8270C (mg/kg)													
Acenaphthene	0.0096 J	0.35 U	0.083 J	0.36 U	2 U	0.4 J	0.015 [0.015]	0.07 J	0.034 J	0.011 J	0.23 J	0.39 J	NA
Acenaphthylene	0.063 J	0.021 J	2.6	0.12 J	0.56 J	4.7	0.4 [0.29]	0.71	0.73	0.1	4.1	4.5	NA
Anthracene	0.087 J	0.02 J	3.1	0.15 J	0.37 J	5.6	0.4 [0.42]	0.89	0.6	0.097	2.6	7.3	NA
Benzo(a)anthracene	0.14 J	0.014 J	5.6	0.29 J	1.1 J	7.8	0.66 [0.82]	1.5	0.89	0.19	8.1	6.1	NA
Benzo(a)pyrene	0.092 J	0.35 U	6.3	0.24 J	1.1 J	11	0.64 [0.47]	0.96	1	0.15	12	6.7	NA
Benzo(b)fluoranthene	0.29 J	0.081 J	12	0.57	2.4	17	1.4 [1.3]	3.2	2.7 JX	0.52 JX	21 JX	13	NA
Benzo(g,h,i)perylene	0.16 J	0.031 J	3.4	0.22 J	1.1 J	11	0.65 [0.53]	1.2	1.6 J	0.2 J	16	9.8	NA
Benzo(k)fluoranthene	0.081 J	0.35 U	4.6	0.16 J	0.78 J	6.6	0.62 [0.48]	1.4	2.6 JX	0.5 JX	23 JX	4.8	NA
Chrysene	0.2 J	0.019 J	6.8	0.4	1.4 J	13	0.86 [1.1]	2.2	1.4	0.28	8.7	9.1	NA
Dibenzo(a,h)anthracene	0.071 J	0.35 U	1.4 J	0.094 J	0.51 J	2.9	0.17 [0.14]	0.4	0.46 J	0.052 J	3.8	2.5	NA
Fluoranthene	0.27 J	0.024 J	12	0.57	1.5 J	15	1.1 [1.5]	2.4	1.7	0.44	9.8	12	NA
Fluorene	0.37 U	0.35 U	0.095 J	0.36 U	2 U	0.51 J	0.033 [0.033]	0.11 J	0.054	0.017 J	0.22 J	0.51 J	NA
Indeno(1,2,3-cd)pyrene	0.13 J	0.02 J	3.5	0.2 J	1.1 J	10	0.58 [0.47]	1.2	1.4 J	0.19 J	13	8.9	NA
Naphthalene	0.043 J	0.35 U	3.6	0.052 J	0.12 J	1.0	0.03 J [0.033 J]	0.06 J	0.11	0.053	0.35	1.7	NA
Phenanthrene	0.14 J	0.016 J	9.6	0.25 J	0.43 J	1.2	0.32 [0.16]	0.32	0.34	0.24	1.5	4.1	NA
Pyrene	0.28 J	0.024 J	9.6	0.5	1.5 J	11	0.62 J [0.85 J]	1.8 J	1.4	0.32	8.3	9.8	NA
Total PAHs	2.06 J	0.27 J	84.3 J	3.82 J	14 J	119	8.5 J [8.61 J]	18.4 J	17 J	3.36 J	133 J	101	NA
Pentachlorophenol	1.8 U	1.7 U	3.2 J	1.8 U	9.6 U	2.2 J	NA	NA	NA	NA	NA	1.1 J	NA
Metals - 6010B (mg/kg)													
Arsenic	NA	NA	NA	NA	NA	21.5	1.9 [3.5]	6.7	NA	NA	7.6	NA	11.4

See notes on Page 7

TABLE 1
SUMMARY OF EXISTING SOUTHERN DRAINAGE DITCHES AREA SURFICIAL (0-0.5') SOIL SAMPLE ANALYTICAL DATA (PENTA, PAHs, ARSENIC)

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID[1]	SDD-4-TRB	SDD-4-TLB	SDD-4-15RB	SDD-4-15LB	SDD-7	SDD-7-TRB	SDD-7-TLB	SDD-7-15RB	SDD-7-15LB	SDD-9	SDD-9-TRB	SDD-12
Depth (feet bgs)	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'	0 - 0.5'
Date Collected	03/06/08	03/06/08	03/06/08	03/06/08	03/08/06	03/10/08	03/13/08	03/10/08	03/10/08	03/08/06	03/06/08	03/08/06
SVOCs - 8270C (mg/kg)												
Acenaphthene	0.12 J	0.67 J	0.031 J	0.047	170 D	0.024	10	0.12 J	0.46 J	1.1	0.39	0.083 J
Acenaphthylene	1.7	8.4	0.48	1.1	16	0.4	7.4	3	5.5 J	6.6	3.5	1.3
Anthracene	1.9	11	0.43	1.1	87	0.46	13	2.6	9 J	14	5.4	1.6
Benzo(a)anthracene	2.2	13	0.57	1.7	66	1.1	41	7	19 J	20	5.5	2.6
Benzo(a)pyrene	1.8	10	0.56	1.4	44	1.1	31	9.8	11 J	17	5.6	2.6
Benzo(b)fluoranthene	4.4	23	1.9 JX	4.3 JX	62	2.6 JX	73 JX	17	40 JX	33	15	5.4
Benzo(g,h,i)perylene	2.2	16	1.6 J	2.4 J	34	1.3 J	19	7.4	8.1 J	15	5.2	3.1
Benzo(k)fluoranthene	1.7	9.6	1.8 JX	4.2 JX	28	2.9 JX	77 JX	8.1	40 JX	10	7.7	1.8
Chrysene	3.2	20	1.2	2.2	81	1.7	57	11	30 J	32	9.1	3.8
Dibenzo(a,h)anthracene	0.67	3.9	0.26 J	0.62 J	9.2	0.32	6.2	2.4	2.9 J	4.4	1.7	0.81
Fluoranthene	4.9	28	3	3.2	380 D	2.2	120	9.6	33 J	36	9.4	5.2
Fluorene	0.19	1.2	0.052	0.089	160 D	0.038	1.5	0.39	0.83 J	1.4	0.52	0.12 J
Indeno(1,2,3-cd)pyrene	2	12	1.1 J	2 J	31	1.2	20	7.1	11 J	14	5.5	2.8
Naphthalene	0.28 J	2 J	0.061	0.28	240 D	0.054	0.51 J	0.59	1.8 J	2.0	0.4 J	0.45
Phenanthrene	1.1	8.7	0.6	1	390 D	0.18	3.8	1.6	4.2 J	6.6	1.9	1.1
Pyrene	3.3 J	17 J	2.1	2.5	220 D	1.5	98	11	18 J	33	7 J	3.9
Total PAHs	31.7 J	184 J	15.7 J	28.1 J	2,020	17.1 J	578 J	98.7 J	235 J	246	83.8 J	36.7
Pentachlorophenol	NA	NA	NA	NA	4.2 J	0.23	8.4	NA	0.55 J	10 J	5.5	0.58 J
Metals - 6010B (mg/kg)												
Arsenic	4.3	13.3	NA	7.6	15.6	9.3	18.5	NA	10	13.5	32.5	NA

See notes on Page 7

TABLE 1
SUMMARY OF EXISTING SOUTHERN DRAINAGE DITCHES AREA SURFICIAL (0-0.5') SOIL SAMPLE ANALYTICAL DATA (PENTA, PAHs, ARSENIC)

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID[1] Depth (feet bgs) Date Collected	SDD-12A 0 - 0.5' 03/11/08	SDD-12-TRB 0 - 0.5' 03/11/08	SDD-12-TLB 0 - 0.5' 03/11/08	SDD-12-15RB 0 - 0.5' 03/10/08	SDD-12-15LB 0 - 0.5' 03/10/08	SDD-15 0 - 0.5' 03/08/06	SDD-15-TRB 0 - 0.5' 03/10/08	SDD-15-TLB 0 - 0.5' 03/11/08	SDD-15-15RB 0 - 0.5' 03/10/08	SDD-15-15LB 0 - 0.5' 03/10/08	SDD-16 0 - 0.5' 03/08/06
SVOCs - 8270C (mg/kg)											
Acenaphthene	NA	0.022 J	0.24 J	0.71 J	0.97 J	0.34 J	0.39 J [1 U]	2.1 UJ	0.082 J	2.2 UJ	0.39 U
Acenaphthylene	NA	0.57	2.7	15 J	15 J	7.1	7.5 [4.2]	2.2 J	0.9	13 J	2.4
Anthracene	NA	0.47	3.8	23 J	9.3 J	8.4	9 [6]	3.7 J	1.1	9.8 J	3.4
Benzo(a)anthracene	NA	1.7	8.6	40 J	30 J	6.8	11 [11]	4.7 J	3	71 J	3.1
Benzo(a)pyrene	NA	2.1	8.1	40 J	29 J	10	15 [11]	5.2 J	3.2	53 J	3.0
Benzo(b)fluoranthene	NA	4.9 JX	21 JX	89 DJ	62 JX	22	41 JX [31 JX]	17 JX	6.1	86 J	12
Benzo(g,h,i)perylene	NA	1.6	7.1	27 J	22 J	17	21 J [11]	7 J	2.4	35 J	6.9
Benzo(k)fluoranthene	NA	4.8 JX	21 JX	28 DJ	62 JX	8.7	44 JX [34 JX]	16 JX	3.4	54 J	5.0
Chrysene	NA	2.1	12	63 J	32 J	11	20 [19]	6.5 J	4.7	86 J	7.9
Dibenzo(a,h)anthracene	NA	0.53	2.1	6.7 J	6.7 J	4.2	4.7 [2.3]	2 J	0.91	2.2 UJ	2.1
Fluoranthene	NA	1.7	17	220 DJ	50 J	11	23 [31]	5.9 J	5.2	130 J	3.9
Fluorene	NA	0.034 J	0.26 J	1.1 J	0.85 J	0.54 J	0.82 [1 U]	2.1 UJ	0.077 J	3.5 J	0.26 J
Indeno(1,2,3-cd)pyrene	NA	1.5	6.8	31 J	25 J	15	19 [11]	6.4 J	2.5	36 J	6.5
Naphthalene	NA	0.07	1.5	74 DJ	4.4 J	1.6	1.2 [0.97 J]	0.64 J	0.7 J	1.1 J	0.5
Phenanthrene	NA	0.25	8.6	22 J	11 J	3.2	3.4 [3.8]	1.7 J	1.4	10 J	0.77
Pyrene	NA	1.8	15	55 J	28 J	8.0	18 [22]	8.3 J	5.2	130 J	12
Total PAHs	NA	24.1 J	136 J	736 J	388 J	135	239 J [198 J]	87.2 J	40.9 J	718 J	69.7
Pentachlorophenol	NA	NA	NA	NA	NA	45 DJ	68 [60]	100 J	2.9	17 J	89 DJ
Metals - 6010B (mg/kg)											
Arsenic	37.6 J	21	18 J	17.6	12.8	32	25.3 [23.2]	22.4	25.8	10.1	8.0

See notes on Page 7

TABLE 1
SUMMARY OF EXISTING SOUTHERN DRAINAGE DITCHES AREA SURFICIAL (0-0.5') SOIL SAMPLE ANALYTICAL DATA (PENTA, PAHs, ARSENIC)

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID[1] Depth (feet bgs) Date Collected	SDD-16-SPL 0 - 0.5' 03/12/08	SDD-20 0 - 0.5' 03/08/06	SDD-20A 0 - 0.5' 03/12/08	SDD-20-TRB 0 - 0.5' 03/10/08	SDD-20-TLB 0 - 0.5' 03/12/08	SDD-20-15RB 0 - 0.5' 03/10/08	SDD-26 0 - 0.5' 03/08/06	SDD-26-15N 0 - 0.5' 03/10/08	SDD-26-15S 0 - 0.5' 03/12/08	SDD-27 0 - 0.5' 03/08/06	SDD-30 0 - 0.5' 03/10/08
SVOCs - 8270C (mg/kg)											
Acenaphthene	0.11 J	0.11 J	NA	0.027	0.0085 U [0.0085 U]	0.19 J	0.068 J	0.029 J [0.015 J]	0.071 J [0.046]	0.2 U	0.2 U
Acenaphthylene	4.1	1.3	NA	0.37	0.0033 J [0.003 J]	4.2	0.51	0.36 [0.21]	1.7 [1.1]	1.5	2.9
Anthracene	3.2	1.8	NA	0.53	0.0085 U [0.0025 J]	4.1	1.0	0.63 [0.33]	2 [1.2]	2.0	2.6
Benzo(a)anthracene	12	2.4	NA	1	0.0027 J [0.0034 J]	13	1.1	0.45 [0.36]	3.6 [3.4]	1.4	6.7
Benzo(a)pyrene	11	3.5	NA	0.8	0.0041 J [0.0038 J]	12	1.2	0.59 [0.39]	3.6 [2.9]	1.1	6.2
Benzo(b)fluoranthene	26 JX	6.7	NA	2.2 JX	0.0082 J [0.0091 JX]	22	3.3	1.5 JX [1 JX]	11 JX [8.1 JX]	3.4	15 JX
Benzo(g,h,i)perylene	8.1	3.4	NA	1 J	0.0085 U [0.0085 U]	8.8	1.7	0.93 J [0.48]	3.4 [2.6]	1.6	7.1 J
Benzo(k)fluoranthene	26 JX	2.2	NA	2.4 JX	0.0027 J [0.009 JX]	12	1.0	1.7 JX [1.1 JX]	11 JX [8 JX]	1.0	16 JX
Chrysene	14	4.2	NA	1.3	0.0066 J [0.0052 J]	17	1.6	0.71 [0.57]	5.9 [4.4]	2.9	7.6
Dibenzo(a,h)anthracene	2.6	0.97	NA	0.34	0.0085 U [0.0085 U]	3.1	0.43	0.24 [0.13]	1.2 [0.82]	0.46	2.1
Fluoranthene	14	4.0	NA	2	0.0058 J [0.0049 J]	26	2.1	0.87 [1.1]	4.7 [3.4]	3.5	11
Fluorene	0.28 U	0.16 J	NA	0.043	0.0085 U [0.0024 J]	0.52	0.074 J	0.044 [0.021]	0.1 [0.094]	0.26	0.2
Indeno(1,2,3-cd)pyrene	8	3.3	NA	0.95	0.003 J [0.0033 J]	8.7	1.5	0.82 [0.43]	3.4 [2.5]	1.5	6.8
Naphthalene	0.46	0.14 J	NA	0.14	0.0085 U [0.0085 U]	1.5	0.14	0.043 [0.03]	0.16 [0.11]	0.083 J	0.86
Phenanthrene	1.6	0.55	NA	0.38	0.0075 J [0.0054 J]	11	0.64	0.16 [0.23]	0.64 [0.4]	1.1	2.8
Pyrene	14	3.7	NA	1.3	0.0065 J [0.0048 J]	21	1.9	0.66 [0.71]	6 [4.1]	2.7	6.7
Total PAHs	145 J	38.4	NA	14.8 J	0.0504 J [0.0568 J]	165 J	18.3	9.74 J [7.11 J]	58.5 J [43.2 J]	24.5	94.6 J
Pentachlorophenol	0.54 J	0.51 J	NA	0.32	NA	NA	2.8 J	NA	1.5	33 DJ	0.99 U
Metals - 6010B (mg/kg)											
Arsenic	NA	NA	18.7 J	8.8	8 J [6.9 J]	NA	38.2	28.9 [23.8]	23 J [13.4 J]	23.5	NA

See notes on Page 7

TABLE 1
SUMMARY OF EXISTING SOUTHERN DRAINAGE DITCHES AREA SURFICIAL (0-0.5') SOIL SAMPLE ANALYTICAL DATA (PENTA, PAHs, ARSENIC)

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID[1] Depth (feet bgs) Date Collected	SDD-31 0 - 0.5' 03/10/08	SDD-32 0 - 0.5' 03/12/08	SDD-33 0 - 0.5' 03/10/08	SDD-34 0 - 0.5' 03/11/08	SDD-35 0 - 0.5' 03/10/08	SDD-36 0 - 0.5' 03/10/08	SDD-37 0 - 0.5' 03/11/08
SVOCs - 8270C (mg/kg)							
Acenaphthene	0.16 J	0.63 J	0.055 J	0.36 U	0.99 U	0.3 J	0.014 J [0.013 J]
Acenaphthylene	3.7	17 J	1.3	0.12 J	0.83 J	6.2	0.13 [0.21]
Anthracene	3.9	20 J	1.4	0.27 J	1.4	8.8	0.21 [0.29]
Benzo(a)anthracene	7.1	70 J	1.5	0.14 J	0.88 J	17	0.17 [0.18]
Benzo(a)pyrene	8.7	62 J	1.8	0.36 U	0.87 J	16	0.25 [0.29]
Benzo(b)fluoranthene	20 JX	150 JX	4.9 JX	0.47 JX	3.3 JX	44 JX	0.63 JX [0.67 JX]
Benzo(g,h,i)perylene	9.7 J	49 J	2.6 J	0.36 U	1.3	16	0.36 [0.47 J]
Benzo(k)fluoranthene	21 JX	150 JX	5.3 JX	0.47 JX	3.6 JX	49 JX	0.66 JX [0.67 JX]
Chrysene	9.7	81 J	2.4	0.36	2	25	0.27 [0.3]
Dibenzo(a,h)anthracene	2.8	17 J	0.54	0.36 U	0.45 J	3.9	0.085 [0.08]
Fluoranthene	11	67 J	2.9	0.23 J	2.6	36	0.2 [0.32]
Fluorene	0.3	1.1 J	0.12	0.36 U	0.99 U	0.45 J	0.026 [0.038]
Indeno(1,2,3-cd)pyrene	9.1	48 J	2.5	0.14 J	1.4	15	0.31 [0.41]
Naphthalene	0.84	1.7 J	0.068 J	0.36 U	0.99 U	1.1	0.025 [0.03]
Phenanthrene	1.8	12 J	0.32	0.36 U	0.54 J	3.9	0.08 [0.082]
Pyrene	7.7	160 J	2.2	0.37	2.1	27	0.26 [0.24]
Total PAHs	118 J	906 J	29.9 J	2.57 J	21.3 J	270 J	3.68 J [4.29 J]
Pentachlorophenol	19	11 UJ	1.4	20	45	89	0.83 [1.4]
Metals - 6010B (mg/kg)							
Arsenic	NA	13.5 J	27.8	8.3	36.4	18.2	10.3 [10.3]

See notes on Page 7

TABLE 1
SUMMARY OF EXISTING SOUTHERN DRAINAGE DITCHES AREA SURFICIAL (0-0.5') SOIL SAMPLE ANALYTICAL DATA (PENTA, PAHs, ARSENIC)

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Notes:
SVOCs = semivolatile organic compounds
PAHs = polycyclic aromatic hydrocarbons
mg/kg = milligrams per kilogram (or parts per million)
bgs = below ground surface
NA = not analyzed
[ ] = duplicate sample result
D = value obtained from analysis of a diluted sample
J = estimated value

Due to a matrix effect, compounds benzo(b)fluoranthene and benzo(k)fluoranthene could not be chromatographically resolved by the laboratory. Because the laboratory could not resolve the two compounds, the assumption was made by the laboratory to quantitate and report the entire peak as benzo(b)fluoranthene and to report benzo(f)fluoranthene as non-detect. Because the assumption cannot be made that the compound benzo(k)fluoranthene is non-detect, the validator has calculated a concentration for benzo(f)fluoranthene using the area count associated with the laboratory-reported detection of benzo(b)fluoranthene. Sample results associated with both compounds were qualified as “JX”.

U = non-detected (associated value is the laboratory reporting limit)

1. Sample ID Definitions (for "SDD" samples):
   TLB = top of left bank (looking north or west)
   TRB = top of right bank (looking north or west)
   15LB = approx. 15' out from the top of left bank (looking north or west)
   15RB = approx. 15' out from the top of right bank (looking north or west)
   A = at previous sample location (center of ditch)
   SPL = south of previous sample location, on Beazer property line
   15N = approx. 15' north of previous sample location
   15S = approx. 15' south of previous sample location

TABLE 2
SUMMARY OF EXISTING SOUTHERN DRAINAGE DITCHES AREA SURFICIAL (0-0.5') SOIL SAMPLE ANALYTICAL DATA (PCDDs/PCDFs)

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID Depth (feet bgs) Date Collected	SDD-1 0 - 0.5' 03/08/06	SDD-7 0 - 0.5' 03/08/06	SDD-9 0 - 0.5' 03/08/06	SDD-15 0 - 0.5' 03/08/06	SDD-16 0 - 0.5' 03/08/06	SDD-26 0 - 0.5' 03/08/06	SDD-27 0 - 0.5' 03/08/06
PCDDs/PCDFs - 8290 (ug/kg)							
1,2,3,4,6,7,8-HpCDD	118	78.5	225	284	632 J	39.1 J	277
1,2,3,4,6,7,8-HpCDF	20	13.6	33.2 J	53.3	129 J	5.22	40.4 J
1,2,3,4,7,8,9-HpCDF	1.61	1.04	2.63	4.12	9.74	0.337	2.86
1,2,3,4,7,8-HxCDD	0.37	0.34	1.2	1.12	1.99	0.187	4.33
1,2,3,4,7,8-HsCDF	0.821	0.549	3.9 J	3.13	3.18	0.13	2.35
1,2,3,6,7,8-HxCDD	3.03	2.07	5.91	9.21	31.7	1.17	9.27
1,2,3,6,7,8-HxCDF	0.222 J	0.158 J	0.902 J	0.901 J	0.916 J	0.0422	0.929
1,2,3,7,8,9-HxCDD	0.708	0.683	1.68	1.73	3.89	0.205	3.88
1,2,3,7,8,9-HxCDF	0.121	0.0241	0.808	0.545	0.045	0.00623	0.917
1,2,3,7,8-PeCDD	0.111	0.0789	0.297	0.221	0.445	0.0468	1.22
1,2,3,7,8-PeCDF	0.0235	0.0191	0.169	0.239	0.0555	0.00624	0.476
2,3,4,6,7,8-HxCDF	0.499	0.4	1.3	1.37	2.38	0.0799	1.67
2,3,4,7,8-PeCDF	0.142	0.129	1.27	1.08	0.162	0.0148	1.64
2,3,7,8-TCDD	0.00996	0.00666	0.0268	0.0155	0.0183 J	0.00519	0.147
2,3,7,8-TCDF	0.00441	0.00418	0.0382	0.0642	0.00652	0.000952 U	0.167
OCDD	1140	1030	1600	1470 J	1540 J	360 J	1470 J
OCDF	112 J	85	187	188 J	399 J	10.5 J	193
TOTAL HpCDD	224	184	0 U	438	963	67.3	0 U
TOTAL HpCDF	134 J	78.8	2.63	323	139	5.62	209 J
TOTAL HxCDD	12.6	11.6	31.9	32.3	207	4.9	71.9
TOTAL HxCDF	21.6 J	13.6 J	19.1 J	61.3 J	161 J	5.49 J	27.8
TOTAL PeCDD	0.619	0.691	2.87	1.79	1.94	0.873	21.1
TOTAL PeCDF	1.56 J	1.29 J	7.64 J	7.33 J	4.95 J	0.24 J	14.3
TOTAL TCDD	0.0875	0.111	0.486	1.48	0.18	0.397	5.13
TOTAL TCDF	0.148 J	0.125 J	0.467 J	0.464 J	0.504 J	0.0377 J	1.44
2,3,7,8-TCDD TEQ[1]	2.51	1.81	5.43	6.29	13.2	0.796	7.93

See notes on Page 2

TABLE 2
SUMMARY OF EXISTING SOUTHERN DRAINAGE DITCHES AREA SURFICIAL (0-0.5') SOIL SAMPLE ANALYTICAL DATA (PCDDs/PCDFs)

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Notes:
PCDDs/PCDFs = polychlorinated dibenzo-p-dioxins/polychlorinated dibenzofurans
ug/kg = micrograms per kilogram (or parts per billion)
bgs = below ground surface
NA = not analyzed
[ ] = duplicate sample result
J = estimated value (below the lower calibration limit)
U = non-detect (associated value is the estimated maximum possible concentration or sample-specific estimated detection limit)
1. 2,3,7,8-TCDD TEQ = 2,3,7,8-TCDD toxic equivalents, calculated using the following Toxic Equivalency Factors (TEFs; WHO, 2005):

1,2,3,4,6,7,8-HpCDD	0.01	1,2,3,7,8-PeCDD	1
1,2,3,4,6,7,8-HpCDF	0.01	1,2,3,7,8-PeCDF	0.03
1,2,3,4,7,8,9-HpCDF	0.01	2,3,4,6,7,8-HxCDF	0.1
1,2,3,4,7,8-HxCDD	0.1	2,3,4,7,8-PeCDF	0.3
1,2,3,4,7,8-HxCDF	0.1	2,3,7,8-TCDD	1
1,2,3,6,7,8-HxCDD	0.1	2,3,7,8-TCDF	0.1
1,2,3,6,7,8-HxCDF	0.1	OCDD	0.0003
1,2,3,7,8,9-HxCDD	0.1	OCDF	0.0003
1,2,3,7,8,9-HxCDF	0.1		

* For non-detect values, 1/2 the reporting limit was used for calculating 2,3,7,8-TCDD TEQs.

TABLE 3
PROPOSED SAMPLE SCOPE AND RATIONALE

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID	Location Description	Depth Interval (ft)	PAHs	Penta	As	PCDDs/PCDFs	Rationale
A1-1	"Upland," south of former RR tracks	0-0.5				X	Delineate PCDDs/PCDFs south of SDD-1
A1-2	"Upland," south of former RR tracks	0-0.5	X	X			Delineate PAHs and penta south of SB-115
A1-3	"Upland," south of former RR tracks	0-0.5	X	X	X	X	Delineate PAHs south of SDD-4-15LB and SB-117; characterize penta, As and PCDDs/PCDFs along southern boundary of EA-1
A1-4	"Upland," midway between ditch (at SDD-7) and fenceline	0-0.5	X	X			Delineate PAHs south of SDD-7-15LB, and PAHs and penta west of SDD-31; evaluate extent of impacts between northern and southern ditches
A1-5	"Upland," midway between fence line and gravel roadway	0-0.5	X	X		X	Delineate PAHs and penta south/southeast of SDD-16-SPL, and PCDDs/PCDFs S/SE of SDD-16
A1-6	Center of ditch channel, at beginning of ditch	0-0.5	X		X		Delineate PAHs and arsenic west (upgradient) of SDD-20
A1-7	"Upland," approx. 200' northeast of SDD-9	0-0.5			X		Delineate arsenic northeast of SDD-9-TRB
A1-8	"Upland," midway between SDD-20-TLB and gravel roadway	0-0.5				X	Characterize PCDDs/PCDFs at previous location SDD-20-TLB
A1-9	"Upland," midway between SDD-20 and SDD-12	0-0.5	X	X	X	x	Delineate PAHs northeast of SDD-20-15RB and southwest of SDD-12-15LB; evaluate extent of impacts between northern and southern ditches
A1-10	"Upland," approx. 100' north/northwest of SDD-12	0-0.5	X		X		Delineate PAHs and arsenic northwest of SDD-12-15RB
A1-11	Center of ditch channel	0-0.5	X		X		Delineate PAHs and arsenic northeast of SDD-20 and southwest of SDD-26
A1-12	"Upland," approx. 50' north/northwest of SDD-15-15RB	0-0.5			X	X	Delineate arsenic northwest of SDD-15-15RB, and PCDDs/PCDFs northwest of SDD-15
A1-13	"Upland," midway between A1-30 and southern ditch	0-0.5	X		X		Delineate PAHs south of SDD-36, and arsenic south of SDD-36 and west of SDD-26-15N; evaluate extent of impacts between northern and southern ditches
A1-14	Within topographic-based flow path east of wetland-like low area (hydraulically downgradient of A1-31)	0-0.5	X		X		Delineate PAHs east of SDD-36, and arsenic east of SDD-36 and northwest of SDD-33
A1-15	"Upland," approx. 60' south/southeast of midway point between SDD-26 and SDD-33; south of topographic-based flow path	0-0.5	X		X		Delineate PAHs and arsenic south of SDD-33 and SDD-26-15S
A1-16	"Upland," approx. 90' south of SDD-34	0-0.5	X	X	X	X	Delineate PAHs, penta, arsenic and PCDDs/PCDFs southeast of SDD-27, and penta south of SDD-34

TABLE 3
PROPOSED SAMPLE SCOPE AND RATIONALE

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID	Location Description	Depth Interval (ft)	PAHs	Penta	As	PCDDs/PCDFs	Rationale
A1-17	Within topographic-based flow path between culvert and shallow ditch to Large Pond; if multiple flow paths exist, collect discrete samples from up to four flow paths and combine into a single composite sample	0-0.5			X	X	Delineate arsenic northeast (downgradient) of SDD-35, and PCDDs/PCDFs northeast (downgradient) of SDD-27
A1-18	"Upland," south of gravel access road	0-0.5		X		X	Characterize eastern portion of EA-1 given prior penta and PCDD/PCDF detections at SDD-27 and SDD-34
A1-19	"Upland," between ditch and former on-Site rail spur	0-0.5	X	X	X	X	Sample location added per USEPA comments
A1-20	"Upland," between ditch and former RR tracks (north of RR tracks)	0-0.5	X	X	X	X	Sample location added per USEPA comments
A1-21	"Upland," between SDD-16 and SDD-30	0-0.5	X	X	X	X	Sample location added per USEPA comments; with A1-5, assess potential PCDD/PCDF presence beyond ditch limits
A1-22	"Upland," 15' north of ditch bank near beginning of ditch (outside of surface cover)	0-0.5	X	X	X	X	Sample location added per USEPA comments; with A1-23, assess potential PCDD/PCDF presence beyond ditch limits
A1-23	"Upland," 15' south of ditch bank near beginning of ditch	0-0.5	X	X	X	X	Sample location added per USEPA comments; with A1-22, assess potential PCDD/PCDF presence beyond ditch limits
A1-24	"Upland," between ditch and surface cover	0-0.5	X	X	X	X	Sample location added per USEPA comments
A1-25	"Upland," 15' north of ditch bank	0-0.5	X	X	X	X	Sample location added per USEPA comments; with A1-26, assess potential PCDD/PCDF presence beyond ditch limits
A1-26	"Upland," 15' south of ditch bank	0-0.5	X	X	X	X	Sample location added per USEPA comments; with A1-25, assess potential PCDD/PCDF presence beyond ditch limits
A1-27	"Upland," between northern and southern ditches	0-0.5	X	X	X	X	Sample location added per USEPA comments
A1-28	"Upland," midway between A1-11 and A1-15, 15' north of ditch bank	0-0.5	X	X	X	X	Sample location added per USEPA comments; with A1-29, assess potential PCDD/PCDF presence beyond ditch limits
A1-29	"Upland," midway between A1-11 and A1-15, 15' south of ditch bank	0-0.5	X	X	X	X	Sample location added per USEPA comments; with A1-28, assess potential PCDD/PCDF presence beyond ditch limits
A1-30	Within topographic-based flow path between end of defined channel (SDD-15) and A1-31	0-0.5	X	X	X	X	Sample location added per USEPA comments
A1-31	Within potential wetland area east of A1-30	0-0.5	X	X	X	X	Sample location added per USEPA comments
A1-32	"Upland," between SDD-33 and A1-14	0-0.5	X	X	X	X	Sample location added per USEPA comments

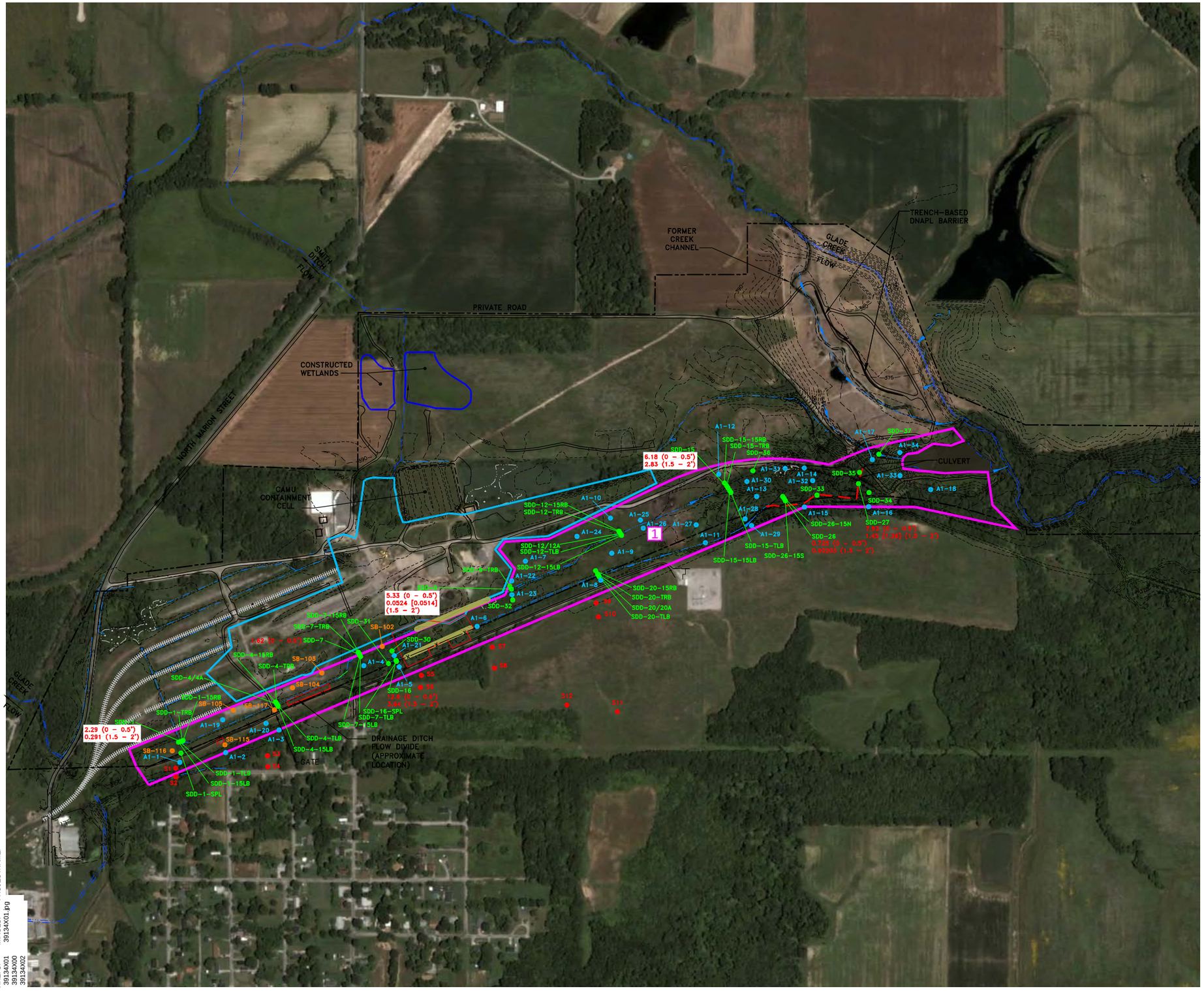
TABLE 3
PROPOSED SAMPLE SCOPE AND RATIONALE

Beazer East, Inc.
Former Koppers Wood-Treating Site
Carbondale, Illinois

Sample ID	Location Description	Depth Interval (ft)	PAHs	Penta	As	PCDDs/PCDFs	Rationale
A1-33	"Upland," northeast of culvert/ditch outlet to Large Pond (in area undisturbed by prior remedial activities)	0-0.5	X	X	X	X	Sample location added per USEPA comments
A1-34	"Upland," north of bend in gravel access road (in area undisturbed by prior remedial activities)	0-0.5	X	X	X	X	Sample location added per USEPA comments
		Total samples:	**28**	**23**	**28**	**25**	

Notes:
1. PAHs = polycyclic aromatic hydrocarbons (USEPA SW-846 Method 8270C)
   Penta = pentachlorophenol (USEPA SW-846 Method 8270C)
   As = arsenic (USEPA SW-846 Method 6010B)
   PCDDs/PCDFs = polychlorinated dibenzo-p-dioxins/polychlorinated dibenzofurans (USEPA SW-846 Method 8290)

Figure



LEGEND:

- EDGE OF WATER
- DRAINAGE DITCH AND DIRECTION OF FLOW
- APPROXIMATE SOUTHERN DRAINAGE DITCH FLOW PATH DOWNSTREAM OF DEFINED CHANNEL
- PROPERTY BOUNDARY (SEE NOTE 2)
- FENCELINE
- FORMER PROCESS AREA SURFACE COVER
- SOIL REMOVAL AREA (SOIL/DEBRIS PILES AND SURFICIAL ASPHALT-LIKE MATERIALS)
- PORTIONS OF SOUTHERN DRAINAGE DITCHES THAT HAVE BEEN FILLED IN PRIOR TO OR DURING SURFACE COVER CONSTRUCTION OR REMOVAL OF SOIL AND DEBRIS PILES.
- S1 — 2005 RESIDENTIAL SAMPLE (USEPA)
- SB-102 — 2005 SURFACE COVER DELINEATION SAMPLE (BEAZER)
- SDD-22 — 2006/2008 SOUTHERN DRAINAGE DITCHES AREA SAMPLE (BEAZER)
- A1-1 — PROPOSED SAMPLE LOCATION
- 1.62 (0 – 0.5') — TCDD-TEQ CONCENTRATION (ug/kg) AND SAMPLE DEPTH INTERVAL
- PROPOSED PCDD/PCDF EVALUATION AREAS

NOTES:

1. SITE FEATURES AND TOPOGRAPHY OBTAINED FROM PHOTOGRAMMETRIC MAPPING PROVIDED BY LOCKWOOD MAPPING COMPANY IN SEPTEMBER 2001 AND SURVEY DATA PROVIDED BY ENGINEERING DESIGN SOURCE, INC. IN JANUARY 2004, AND BASED ON AERIAL PHOTOGRAPHY PROVIDED BY LOCKWOOD MAPPING, INC. TAKEN ON NOVEMBER 22, 1996 AT AN APPROXIMATE SCALE OF 1"=500'. TOPOGRAPHY IN THE EASTERN SOUTHERN DRAINAGE DITCHES AREA BASED ON TOPOGRAPHIC FIELD SURVEY CONDUCTED IN AUGUST 2007.
2. PROPERTY BOUNDARY IS APPROXIMATE; OBTAINED FROM A COMBINATION OF SITE SURVEY DATA, HISTORICAL MAPS AND TAX MAPS.
3. AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH ON MARCH 16, 2009.

0 300' 600'
GRAPHIC SCALE

BEAZER EAST, INC.
FORMER KOPPERS WOOD TREATING SITE
CARBONDALE, ILLINOIS

SITE PLAN AND SOUTHERN DRAINAGE DITCHES AREA SAMPLE LOCATIONS

ARCADIS

FIGURE
1

CITY: SYRACUSE DIV/GROUP: ENVCAD DB: L. FORAKER LD: PIC: R. ANDERSON PM: J. HOLDEN TM: D. BESSINGPAS LYR: ON=*;OFF=*REF* PAGESETUP: C-LD2B-PDF-LAPTOP PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 10/20/2009 2:55 PM BY: FORAKER, LYDIA
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XREFS: 39134X01 39134X00 39134X02 IMAGES: 39134X01.jpg PROJECTNAME: ----

ARCADIS

Appendix B

Sampling and Analysis Plan for PCDD/PCDF Sampling – Evaluation Areas 2, 3 and 5

SAMPLING AND ANALYSIS PLAN FOR PCDD/PCDF SAMPLING
(EVALUATION AREAS 2, 3 AND 5)

BEAZER EAST, INC.
FORMER KOPPERS WOOD-TREATING SITE
CARBONDALE, ILLINOIS

Introduction/Purpose

In response to a letter from the United States Environmental Protection Agency (USEPA) dated December 18, 2008, and in accordance with discussions during a January 29, 2009 meeting and multiple subsequent conference calls, Beazer East, Inc. (Beazer) has prepared this Sampling and Analysis Plan (SAP) for polychlorinated dibenzo-p-dioxin/polychlorinated dibenzofuran (PCDD/PCDF) soil sampling activities in selected Evaluation Areas (EAs) of the Former Koppers Wood-Treating Site in Carbondale, Illinois (the Site; Figure 1).[1] Specifically, this SAP covers PCDD/PCDF soil sampling in EA 2 (former sprayfield, former north drainage ditch, former lagoon area), EA 3 (western end of the Site) and EA 5 (upgradient Smith Ditch area), as shown on Figure 1. This SAP, originally submitted on May 7, 2009, has been revised to address USEPA's August 10 and September 24, 2009 comment letters, as discussed and agreed to on multiple conference calls.

The scope of work for EA 1 (southern drainage ditches) is provided in a separate, concurrently submitted SAP. Beazer is focusing this SAP on the initial sampling efforts on EAs 2, 3 and 5 for the following reasons:

- These areas are located within Beazer-owned property; therefore, property access agreements/negotiations are not required to implement the field work (whereas sampling in EAs 4, 5 and 7 would require access to non-Beazer-owned properties)

- These areas are located closest to the presumed source areas of the Site, such that if potentially significant PCDD/PCDF impacts are not observed in these areas, sampling in downgradient areas would not be warranted

The purposes of the sampling activities described herein are to generally characterize the presence and extent of PCDDs/PCDFs in surficial soils within EAs 2, 3 and 5, and to provide data to 1) support future human health and ecological risk evaluations, and 2) determine the need for and scope of PCDD/PCDF characterization sampling in downgradient EAs 4, 6 and 7 (Figure 1).

Scope

Soil sampling is proposed at a total of 33 locations: 11 in EA 2 (Figure 2), 17 in EA 3 (Figure 3), and 5 in EA 5 (Figure 4). At each location, samples will be collected from the 0- to 0.5-foot depth interval using a stainless-steel trowel. Soil types/characteristics and descriptions will be recorded in a field notebook.

[1] The EAs identified on Figure 1 were developed in consultation with USEPA. The boundary between EAs 1 and 2 was modified slightly during preparation of this SAP so that samples previously collected from the northern-most of the two southern drainage ditches are included in EA 1 rather than in EA 2, as previously proposed.

All 33 samples will be submitted for laboratory analysis of PCDDs/PCDFs by USEPA SW-846 Method 8290. To the extent possible, recovered soils will be homogenized prior to placing them into sample containers. Excess soils will be placed back into the hole following sample collection. All sample locations will be staked and surveyed (or GPS-located) so that they can be accurately depicted on the site plan and re-established in the future, if necessary.

Quality Assurance/Quality Control

All samples will be analyzed by Vista Analytical Laboratory in El Dorado Hills, California. Quality assurance/quality control (QA/QC) samples will be collected at the frequencies specified in the Quality Assurance Project Plan (QAPP; ARCADIS, February 2008). Analytical data will be validated in accordance with USEPA National Functional Guidelines for Data Review, as discussed in the QAPP.

Equipment Cleaning and Waste Management

Non-dedicated/non-disposable sampling equipment will be cleaned prior to use at each sample location following procedures outlined in the QAPP (i.e., non-phosphate detergent wash, distilled/deionized water rinse, and triple rinse sequence of solvent followed by distilled/deionized water).

In accordance with the QAPP, equipment cleaning fluids will be collected for treatment at the onsite wastewater treatment system (WWTS). Used personal protective equipment (PPE), disposable sampling equipment, and other miscellaneous wastes will be placed into a 55-gallon drum and staged at a designated area near the WWTS for subsequent characterization and disposal by Beazer.

Data Review and Reporting

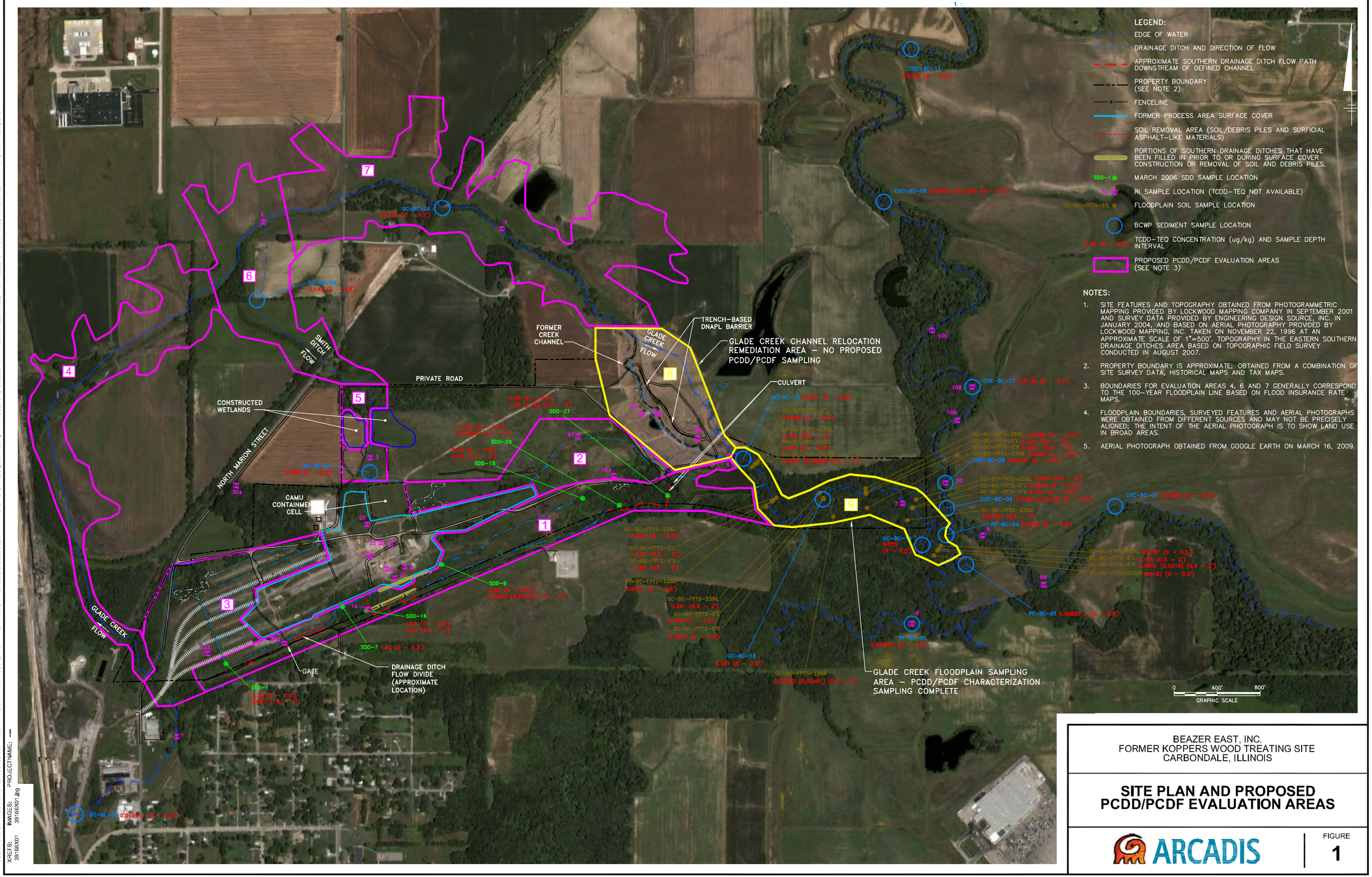
Following completion of the sampling and receipt/validation of the laboratory analytical data, Beazer will prepare draft data summary tables and sample locations maps for review/discussion with USEPA. Data summary tables will include calculated values for 2,3,7,8-TCDD Toxic Equivalents (TEQ; calculated using WHO-2005 Toxic Equivalency Factors).

Schedule

This SAP is one of three related plans provided in response to USEPA's December 18, 2008 letter and that address further investigation of PCDDs/PCDFs at the Site. Following USEPA approval of the planned scopes of work, Beazer anticipates that the work of these plans will be performed in a single mobilization. Pending suitable weather and field conditions, it is anticipated that the field work will be initiated within approximately two weeks following USEPA approval. The work of this SAP will require approximately two days to complete. Regardless of the start date or duration of the field work, the draft data summary tables and sample location maps will be submitted to the USEPA within approximately four to six weeks following receipt of all associated laboratory analytical data.

ARCADIS

Figures



BEAZER EAST, INC.
FORMER KOPPERS WOOD TREATING SITE
CARBONDALE, ILLINOIS

SITE PLAN AND PROPOSED PCDD/PCDF EVALUATION AREAS

ARCADIS

FIGURE
1

CITY:SYRACUSE DIV/GROUP:ENVCAD DB:L.FORAKER LD: PIC:R.ANDERSON PM:J.HOLDEN TM:D.BESSING PAS LYR:ON=*;OFF=*REF*
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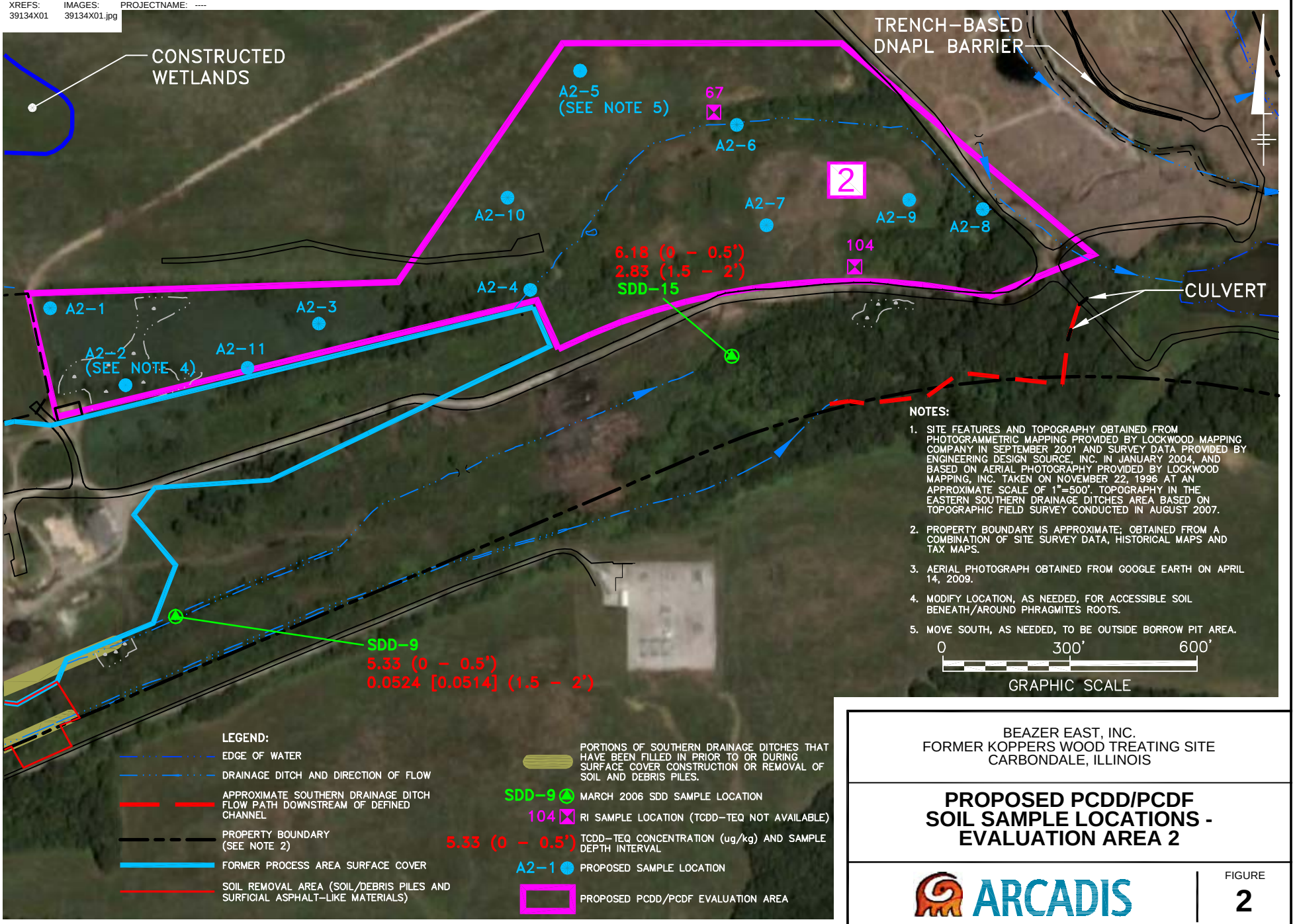

NOTES:

1. SITE FEATURES AND TOPOGRAPHY OBTAINED FROM PHOTOGRAMMETRIC MAPPING PROVIDED BY LOCKWOOD MAPPING COMPANY IN SEPTEMBER 2001 AND SURVEY DATA PROVIDED BY ENGINEERING DESIGN SOURCE, INC. IN JANUARY 2004, AND BASED ON AERIAL PHOTOGRAPHY PROVIDED BY LOCKWOOD MAPPING, INC. TAKEN ON NOVEMBER 22, 1996 AT AN APPROXIMATE SCALE OF 1"=500'. TOPOGRAPHY IN THE EASTERN SOUTHERN DRAINAGE DITCHES AREA BASED ON TOPOGRAPHIC FIELD SURVEY CONDUCTED IN AUGUST 2007.
2. PROPERTY BOUNDARY IS APPROXIMATE; OBTAINED FROM A COMBINATION OF SITE SURVEY DATA, HISTORICAL MAPS AND TAX MAPS.
3. AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH ON APRIL 14, 2009.
4. MODIFY LOCATION, AS NEEDED, FOR ACCESSIBLE SOIL BENEATH/AROUND PHRAGMITES ROOTS.
5. MOVE SOUTH, AS NEEDED, TO BE OUTSIDE BORROW PIT AREA.

BEAZER EAST, INC.
FORMER KOPPERS WOOD TREATING SITE
CARBONDALE, ILLINOIS

PROPOSED PCDD/PCDF SOIL SAMPLE LOCATIONS - EVALUATION AREA 2

ARCADIS

FIGURE
2

CITY: SYRACUSE DIV/GROUP: ENVCAD DB: L. FORAKER LD: PIC: R. ANDERSON PM: J. HOLDEN TM: D. BESSINGPAS LYR: ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACT\B0039134\0000\00003\DWG\PCDD\39134G03.DWG LAYOUT: 3 SAVED: 9/21/2009 8:58 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LA-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/21/2009 8:58 AM BY: FORAKER, LYDIA

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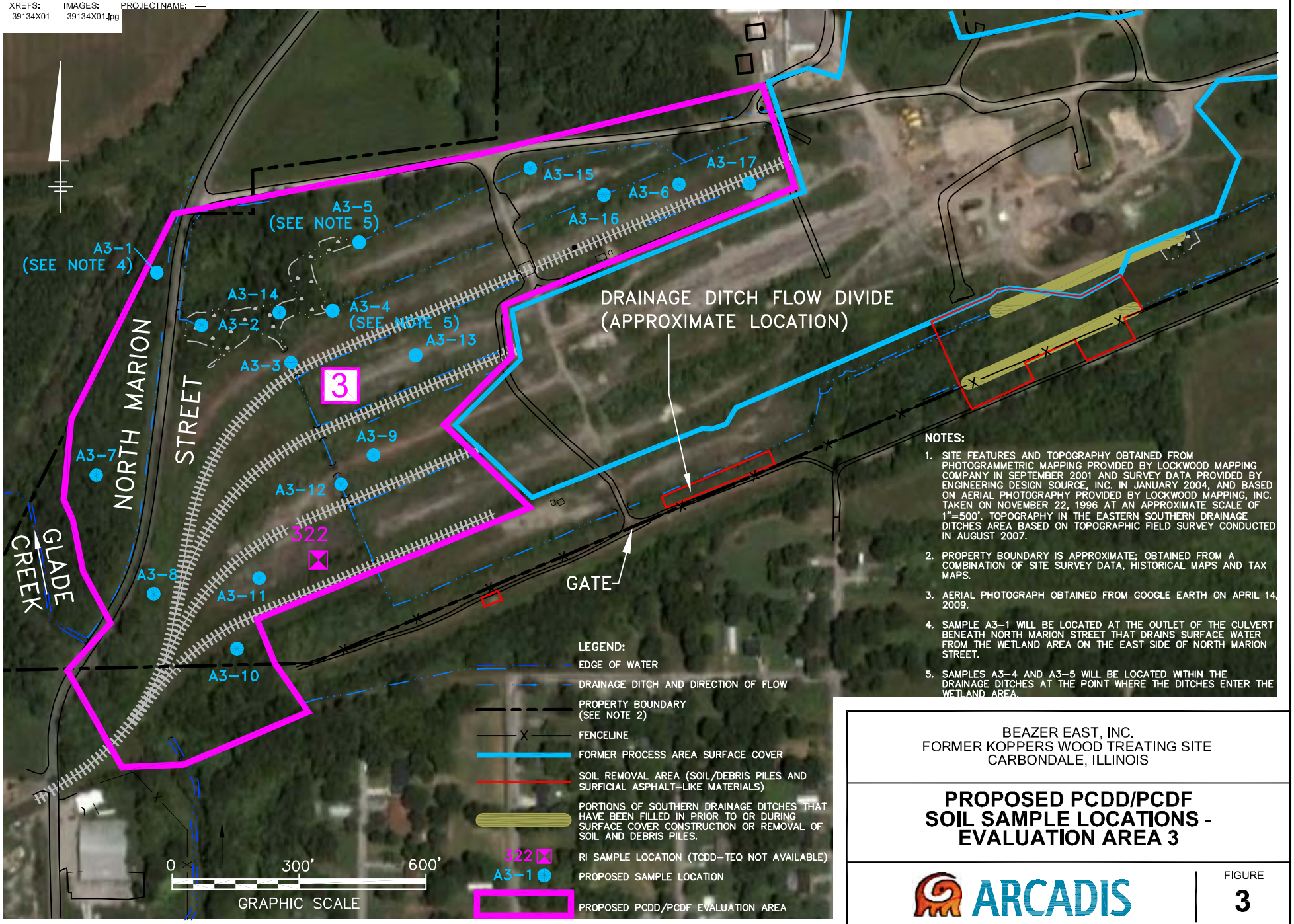

NOTES:

1. SITE FEATURES AND TOPOGRAPHY OBTAINED FROM PHOTOGRAMMETRIC MAPPING PROVIDED BY LOCKWOOD MAPPING COMPANY IN SEPTEMBER 2001 AND SURVEY DATA PROVIDED BY ENGINEERING DESIGN SOURCE, INC. IN JANUARY 2004, AND BASED ON AERIAL PHOTOGRAPHY PROVIDED BY LOCKWOOD MAPPING, INC. TAKEN ON NOVEMBER 22, 1996 AT AN APPROXIMATE SCALE OF 1"=500'. TOPOGRAPHY IN THE EASTERN SOUTHERN DRAINAGE DITCHES AREA BASED ON TOPOGRAPHIC FIELD SURVEY CONDUCTED IN AUGUST 2007.
2. PROPERTY BOUNDARY IS APPROXIMATE; OBTAINED FROM A COMBINATION OF SITE SURVEY DATA, HISTORICAL MAPS AND TAX MAPS.
3. AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH ON APRIL 14, 2009.
4. SAMPLE A3-1 WILL BE LOCATED AT THE OUTLET OF THE CULVERT BENEATH NORTH MARION STREET THAT DRAINS SURFACE WATER FROM THE WETLAND AREA ON THE EAST SIDE OF NORTH MARION STREET.
5. SAMPLES A3-4 AND A3-5 WILL BE LOCATED WITHIN THE DRAINAGE DITCHES AT THE POINT WHERE THE DITCHES ENTER THE WETLAND AREA.

BEAZER EAST, INC.
FORMER KOPPERS WOOD TREATING SITE
CARBONDALE, ILLINOIS

PROPOSED PCDD/PCDF SOIL SAMPLE LOCATIONS - EVALUATION AREA 3

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FIGURE 3

CITY: SYRACUSE DIV/GROUP: ENVCAD DB: L. FORAKER LD: PIC: R. ANDERSON PM: J. HOLDEN TM: D. BESSINGPAS LYR: ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACT\B0039134\0000\00003\DWG\PCDD\39134G04.DWG LAYOUT: 4 SAVED: 9/21/2009 8:58 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LA-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/21/2009 8:58 AM BY: FORAKER, LYDIA

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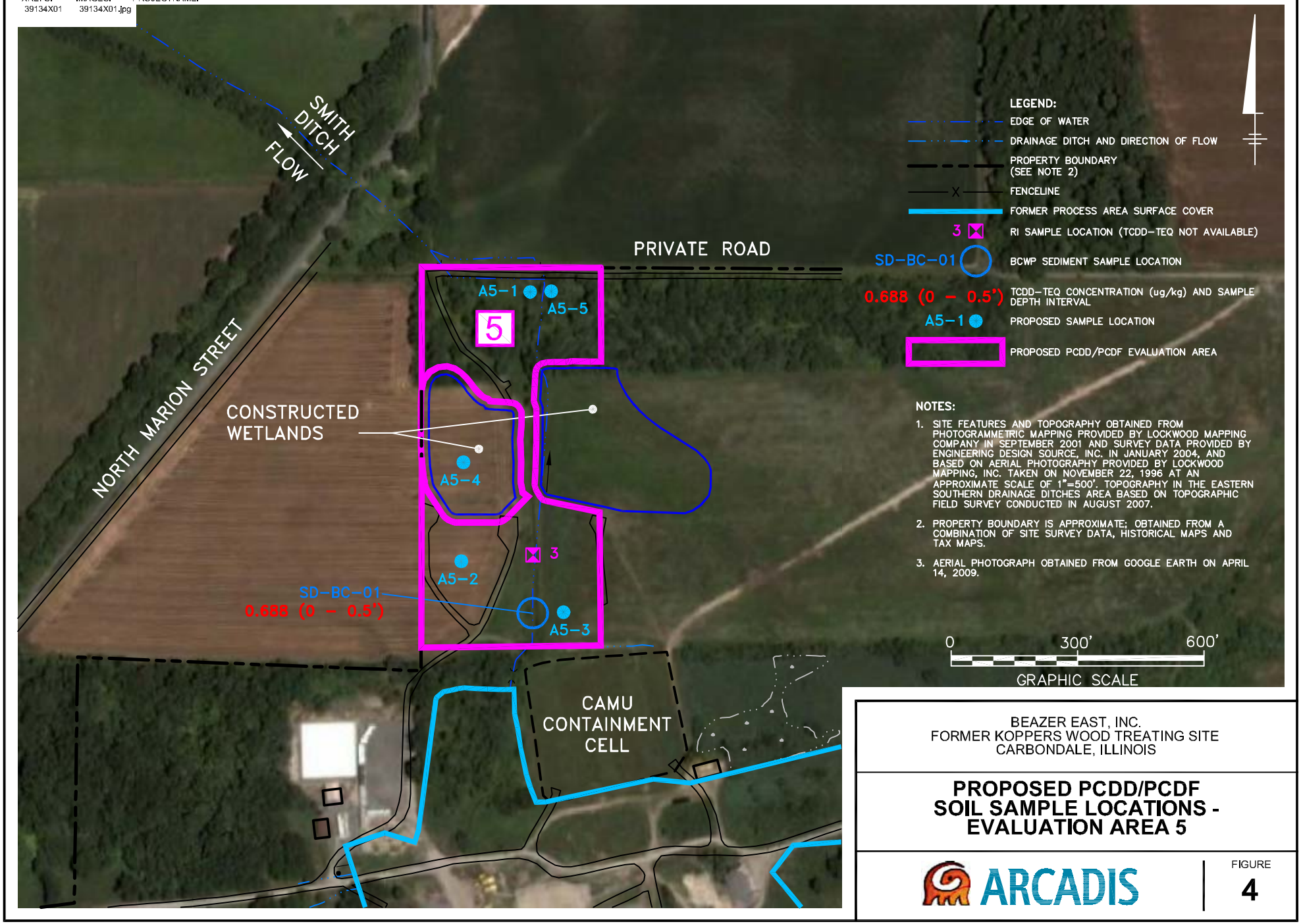


BEAZER EAST, INC.
FORMER KOPPERS WOOD TREATING SITE
CARBONDALE, ILLINOIS

PROPOSED PCDD/PCDF SOIL SAMPLE LOCATIONS - EVALUATION AREA 5

ARCADIS

FIGURE
4

ARCADIS

Appendix C

Sampling and Analysis Plan for PCDD/PCDF Sediment Sampling – Crab Orchard Creek

SAMPLING AND ANALYSIS PLAN FOR PCDD/PCDF SEDIMENT SAMPLING – CRAB ORCHARD CREEK

BEAZER EAST, INC.
FORMER KOPPERS WOOD-TREATING SITE
CARBONDALE, ILLINOIS

Introduction/Purpose

As discussed in a November 19, 2008 letter from Beazer East, Inc. (Beazer) to the United States Environmental Protection Agency (USEPA), a preliminary review of polychlorinated dibenzo-p-dioxin/polychlorinated dibenzofuran (PCDD/PCDF) concentrations in Crab Orchard Creek sediment samples indicates that the point at which PCDD/PCDF concentrations in downstream sediments have begun to decline with distance from the Site was not identified by the 2008 Baseline Characterization Work Plan (BCWP) sampling. To address this data gap, and as one component of additional PCDD/PCDF investigations required by USEPA's December 18, 2008 letter, Beazer has prepared this Sampling and Analysis Plan (SAP) for additional sediment sampling activities in Crab Orchard Creek downstream of the Former Koppers Wood-Treating Site in Carbondale, Illinois (the Site). This SAP, originally submitted on May 7, 2009, has been revised to address USEPA's September 24, 2009 comment letter, as discussed and agreed to on multiple conference calls.

Scope

Sediment sampling is proposed at three locations in Crab Orchard Creek, downstream of the downstream-most BCWP sample location COC-BC-11 (Figure 1). At each location, a composite sediment sample will be collected using Lexan tubes and/or a dredge sampler. Each composite sample will consist of approximately five to eight discrete samples collected from the 0- to 0.5-foot depth interval within an area that represents the width of the creek at the targeted location. Once the discrete samples at a given location have been collected, they will be combined and mixed in a dedicated/disposable container to create a single, homogenous composite sample. Sediment characteristics (e.g., color, grain size, presence of organic matter), and descriptions of any non-aqueous phase liquid (NAPL), staining, odors and/or sheens will be recorded in a field notebook.

Sediment samples will be collected in a downstream to upstream manner to minimize the possibility of cross-contamination between locations. A new Lexan tube will be used for each sample location (but not between each discrete sample at a given location). The sample locations are anticipated to be accessed with a boat.

The three sediment samples will be submitted for laboratory analysis of PCDDs/PCDFs by USEPA SW-846 Method 8290. All sample locations will be staked and surveyed (or GPS-located) so that they can be accurately depicted on the site plan and re-established in the future, if necessary.

Quality Assurance/Quality Control

All samples will be analyzed by Vista Analytical Laboratory in El Dorado Hills, California. Quality assurance/quality control (QA/QC) samples will be collected at the frequencies specified in the Quality Assurance Project Plan (QAPP; ARCADIS, February 2008). Analytical data will be validated in accordance with USEPA National Functional Guidelines for Data Review, as discussed in the QAPP.

Equipment Cleaning and Waste Management

Non-dedicated/non-disposable sampling equipment will be cleaned prior to use at each sample location following procedures outlined in the QAPP (i.e., non-phosphate detergent wash, distilled/deionized water rinse, and triple rinse sequence of solvent followed by distilled/deionized water).

In accordance with the QAPP, equipment cleaning fluids will be collected for treatment at the onsite wastewater treatment system (WWTS). Used personal protective equipment (PPE), disposable sampling equipment (including Lexan tubes), and other miscellaneous wastes will be placed into a 55-gallon drum and staged at a designated area near the WWTS for subsequent characterization and disposal by Beazer.

Data Review and Reporting

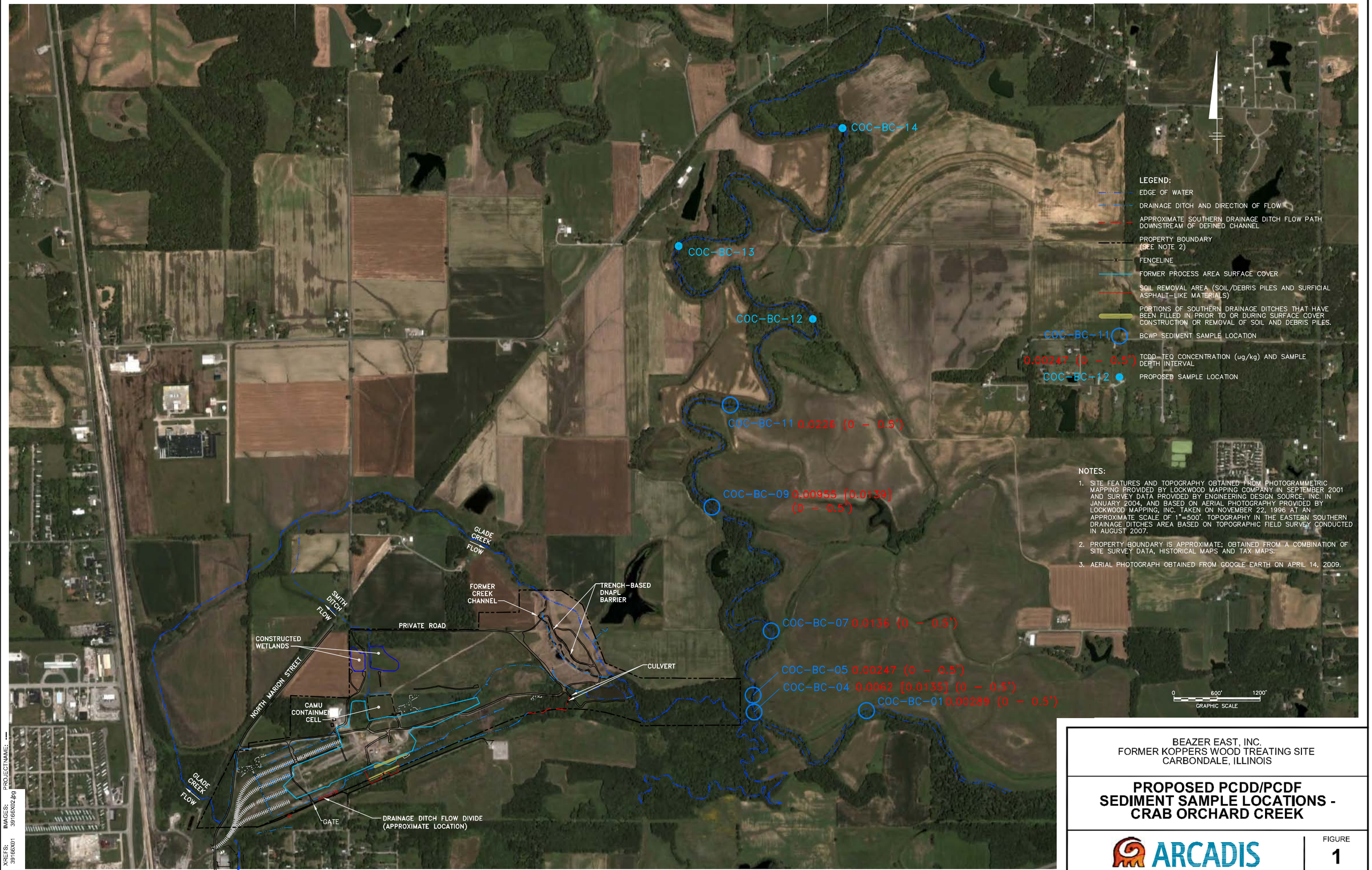
Following completion of the sampling and receipt/validation of the laboratory analytical data, Beazer will prepare a draft data summary table and sample locations map for review/discussion with USEPA. The data summary table will include calculated values for Total PAHs (sum of 16 individual PAHs) and 2,3,7,8-TCDD Toxic Equivalents (TEQ; calculated using WHO-2005 Toxic Equivalency Factors).

Schedule

This SAP is one of three related plans provided in response to USEPA's December 18, 2008 letter and that address further investigation of PCDDs/PCDFs at the Site. Following USEPA approval of the planned scopes of work, Beazer anticipates that the work of these plans will be performed in a single mobilization. Pending suitable weather and field conditions, it is anticipated that the field work will be initiated within approximately two weeks following USEPA approval. The work of this SAP will require approximately one day to complete. Regardless of the start date or duration of the field work, the draft data summary table and sample location map will be submitted to the USEPA within approximately four to six weeks following receipt of all associated laboratory analytical data.

ARCADIS

Figure



BEAZER EAST, INC.
FORMER KOPPERS WOOD TREATING SITE
CARBONDALE, ILLINOIS

PROPOSED PCDD/PCDF SEDIMENT SAMPLE LOCATIONS - CRAB ORCHARD CREEK

ARCADIS

FIGURE
1

CITY: SYRACUSE DIV/GROUP: ENVCAD DB: L. FORAKER LD: PIC: R. ANDERSON PM: J. HOLDEN TM: D. BESSINGPAS LYR: ON=*;OFF=*REF*
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ARCADIS

Appendix D

Beazer's Responses to USEPA's
September 24, 2009 Comments

The following are Beazer East, Inc.'s (Beazer's) responses to the United States Environmental Protection Agency's (USEPA's) September 24, 2009 comments related to the February 2008 Quality Assurance Project Plan (QAPP) and quality assurance- (QA-) related components of the May 2009 Sampling and Analysis Plans (SAPs) for the Former Koppers Wood-Treating Site in Carbondale, Illinois (the Site). USEPA's comments are provided in italics, followed by Beazer's response in bold.

USEPA Comment #:1: The draft 2008 QAPP specifies that work plans will be submitted to EPA for approval prior to initiating sampling events. EPA expects that such work plans, collectively, will contain necessary supplemental quality assurance related information not included or otherwise highlighted in the 2008 QAPP. The EA SAPs for the next phase of investigation, therefore, should reference all "generic" components of the 2008 draft QAPP deemed relevant to the EA SAPs. For example, if the chain-of-custody approach expressed in the 2008 QAPP will be used, then incorporate that section, and any other sections (or subsections) which are also germane to the EA SAPs, by reference.

In addition to or in place of referencing the QAPP, relevant portions of the QAPP could be inserted into the EA SAPs or included as attachments, provided such sections are relevant to this next phase of investigation. Alternatively, a table could be included showing all the sections or subsections of the 2008 QAPP incorporated by reference into the SAPs.

Beazer Response: The 2008 QAPP was written such that it would be comprehensive and applicable for all foreseeable future sampling events, such that it could be referenced in subsequent work plans and not require frequent updates or restating of QA-related information in every work plan (refer to Section 1 of the QAPP). For any subsequent scope of work where applicable QA-related information was not contained in the QAPP, such QA-related information would then be detailed in a work plan.

The May 2009 SAPs do not include any sampling or analytical items that are not already addressed in the 2008 QAPP. For the purposes of brevity and consistency with the stated purpose of the QAPP, Beazer did not repeat such information in the SAPs. However, as requested, and for the sole purpose of obtaining USEPA's approval on the SAPs, Beazer will revise the SAPs to include a table that indicates which sections of the 2008 QAPP are relevant to each specific SAP. Please also refer to the response to Comment #2 below.

USEPA Comment #2: EPA considers that if the SAPs include key QA components then the SAPs will constitute an approvable "functional QAPP" for the forthcoming investigation phase. As such, a single QAPP sign-off sheet should accompany/precede the individual EA SAPs (which for convenience can now be compiled into a single work plan). In addition to the Beazer signature lines, signature lines should be included for: Carolyn Bury, Project Manager, Allen Debus, Chemist, George Hamper, Section Chief, and Jose Cisneros, Branch Chief.

Beazer Response: Beazer does not understand why this approval process would need to be repeated each time a work plan is submitted when the intent of the February 2008 QAPP was that it be applicable to all foreseeable future sampling events. This objective was discussed and mutually agreed to by both USEPA and Beazer prior to the initial version of the QAPP that was submitted to USEPA on May 30, 2006. Beazer's February 2008 QAPP submittal adequately addressed all prior USEPA comments and should be approved by USEPA. Given that the February

2008 QAPP has not yet been approved by the USEPA, requiring these additional signatures with each work plan would not be consistent with USEPA's expressed desire to accelerate these investigations.

USEPA Comment #3: Referring to page 21 of the QAPP, reported data should be CLP-like Level IV (not Level III).

Beazer Response: The February 2008 QAPP identifies three levels of reporting: 1 – Minimal Reporting, 2 – Modified Reporting, and 3 – Full Reporting. Level 3 reporting, which includes a full CLP-like data package from the lab, will be required for the data generated under the SAPs. The February 2008 QAPP does not identify a Level IV reporting.

USEPA Comment #4: A table of all the constituents on the analyte list must be included in the SAP(s). In EA 1, other chemical parameters will be analyzed, but these are not explicitly identified.

Beazer Response: The four constituents/constituent groups identified in the SAPs are PCDDs/PCDFs, PAHs, pentachlorophenol and arsenic. The specific PCDD/PCDF congeners and PAHs to be analyzed for are listed in Table 2B of the February 2008 QAPP. As discussed in the response to Comment #1 above, submittal of the revised SAPs will include reference to the pertinent QAPP sections and information.

USEPA Comment #5: It should be specified how analytical results will be reported. It is EPA's assumption that PCDD/PCDF results will be reported as TEQ values; however this is not so stated in the EA SAPs. Also, please directly state in the SAPs which PAHs and "select metals" will be reported, and by which method(s). A table with this information is preferred.

Beazer Response: Consistent with our prior practice, PCDD/PCDF results will be reported in data summary tables as TEQ values determined using WHO-2005 TEFs. The SAPs will be updated to specify this reporting methodology.

As indicated in the response to Comment #5, a list of PAHs is provided in Table 2B of the 2008 QAPP and is applicable to the subject SAPs. As indicted in the SDD SAP, arsenic is the only metal proposed to be analyzed. The proposed laboratory analytical methods are specified in the three SAPs.

USEPA Comment #6: Apparently, the only analytical methods to be employed, or so far proposed, will be 8290, 8270C and 6010. Please clarify whether method 6020 will be needed to meet eco-risk values for any metals on the analyte list (in other words, will any other test methods be needed to measure other parameters sampled in this event?). Please clarify this matter in the revised EA SAPs.

Beazer Response: As indicated in the SAPs, Method 8270C will be used for PAHs and pentachlorophenol, Method 8290 will be used for PCDDs/PCDFs and Method 6010B will be used for arsenic.

USEPA Comment #7: *For this next phase of study, media to be tested will not include any biota, surface water or groundwater. When referencing the 2008 QAPP, therefore, please emphasize that only those (cited) sections of the 2008 draft QAPP relating to soil and sediment sampling bear relevancy to the "functional QAPP" supporting the fall 2009 EA sampling event.*

Beazer Response: The May 2009 SAPs accurately describe scopes of work limited to soil and sediment sampling, making it clear that biota, surface water, and groundwater sampling and analyses are not part of the scope of work. As discussed in the response to Comment #1 above, submittal of the revised SAPs will include reference to the applicable QAPP sections and information. This will add further clarity to the type of sampling and analysis not included in the scopes of work.

USEPA Comment #8: *The section of the EA SAP(s) describing Steps 0 – 7 should be revised per the August 10, 2009 EPA letter, and state how data will relate to future investigations to be performed (e.g. hot-spot screening, risk assessments, nature and extent characterization, etc.).*

Beazer Response: Beazer does not believe that this comment is germane to the QAPP, or QAPP-related issues. The EA SAPs have been discussed with USEPA on several conference calls during September 2009. It has been agreed that the EA SAPs will be conditionally approved by USEPA with revised sampling locations. After data collection and evaluation, the next steps would be determined. This approach was determined to allow the field sampling work to proceed expeditiously. Therefore, Beazer does not believe it is necessary or appropriate to modify the EA SAP language regarding steps 0-7 at this time; this language will be excluded from the revised EA SAP.

USEPA Comment #9: *If available, NELAC/NELAP certifications should be provided for the laboratories which will analyze the samples. Each respective laboratory's certification should be presented, clarifying its capability on a parameter/method-specific basis.*

Beazer Response: NELAP certifications from TestAmerica (lab conducting the PAH, pentachlorophenol and arsenic analyses) and Vista Analytical Laboratory (lab conducting the PCDD/PCDF analyses) will be provided with the revised SAPs.

USEPA Comment #10: *For the ARCADIS "Sediment Probing and Sample Collection" SOP, which will presumably be incorporated by reference from the draft 2008 QAPP into the 2009 "functional QAPP," specify whether Lexan tubes or the dredge sampler will be used.*

Beazer Response: Lexan tubes are the preferred sediment sampling device because they allow visual inspection of the recovered core, are disposable, and tend to capture a more uniformly representative sample throughout the target sampling depth. In the event that sampling with Lexan tubes is unsuccessful, a dredge sampler will be used. Site-specific conditions that could preclude the successful use of Lexan tubes may include extremely soft sediments that are not able to form an adequate plug at the bottom of the tube and as a result, the sediments fall out of the tube as it is pulled out of the sediment/water. Accordingly, ARCADIS plans to have both Lexan tubes and a dredge sampler available during the field work.

USEPA Comment #11: *The sampling depth(s) in proposed media must be identified.*

Beazer Response: All samples will be collected from the 0- to 0.5-foot depth interval. This depth interval is specified in all three of the May 2009 SAPs.

USEPA Comment #12: *Finally, your September 2, 2009 letter addresses a comment made in the EPA August 10, 2009 letter regarding EPA's request that Method 8270 for pentachlorophenol (PCP) be replaced with modified Method 8151. Based on your letter, it appears that the underlying reason for the EPA comment on the method was not understood. Rather than a detection limit issue, as you appear to understand it, this is a percent analytical recovery issue. As our QA Policy states, method 8270 has a typical low bias (i.e. poor analytical recoveries) for PCP and therefore the gas chromatography method is was suggested by the RCRA QA Policy. Please specify what your contracted laboratory's anticipated matrix recoveries will be using 8270C (or 8270-SIM). If the lab anticipates only a 20% recovery, then modified Method 8151 can offer some advantages.*

While EPA prefers that Method 8151 be used, given that the focus of this investigatory phase is on dioxin/furan TEQ, EPA will allow Beazer, at this phase of the project, to report the PCP parameter per your proposal (i.e. using 8270C). The laboratory's matrix spike recovery (sediment matrix) data will be examined by Allen Debus, chemist, at the time of data submittal. If resulting matrix spike recoveries are too low-biased, EPA will raise the modified Method 8151 matter again in the case of any further investigational phases where PCP data is required.

Beazer Response: The following table summarizes the Method 8270C pentachlorophenol percent recoveries for lab control samples (LCSs) and matrix spikes/matrix spike duplicates (MS/MSDs) from the March 2008 southern drainage ditches and Baseline Characterization Work Plan sampling event:

LCS	MS/MSD
82 %	70/69 %
92 %	55/88 %
71 %	43/41 %
90 %	71/65 %
50 %	55/53 %
86 %	74/92 %
75 %	71/65 %
71 %	39/42 %
88 %	63/64 %
78 %	78/85 %
86 %	44/39 %
72 %	
Average: 78.4 %	Average: 60/64 %

The acceptable percent recovery range for pentachlorophenol with Method 8270C is 18-117%. As indicated in the table above, all of the recoveries were within this range, and well above the 20% recovery level mentioned in USEPA's comment. Because of the adequate pentachlorophenol recoveries, and the reasons discussed in Beazer's September 2, 2009 letter, Beazer believes that the continued use of Method 8270C for pentachlorophenol analyses is appropriate.

ARCADIS

Appendix E

Functional QAPP Approval Page

Functional QAPP Approval/Signature Page

Applicable to the following:

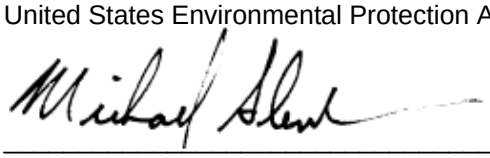
- *Sampling and Analysis Plan for Evaluation Area 1 – Southern Drainage Ditches* (ARCADIS, October 26, 2009)
- *Sampling and Analysis Plan for PCDD/PCDF Soil Sampling – Evaluation Areas 2, 3 and 5* (ARCADIS, October 26, 2009)
- *Sampling and Analysis Plan for PCDD/PCDF Sediment Sampling – Crab Orchard Creek* (ARCADIS, October 26, 2009)

_____
Carolyn Bury, Project Manager
United States Environmental Protection Agency

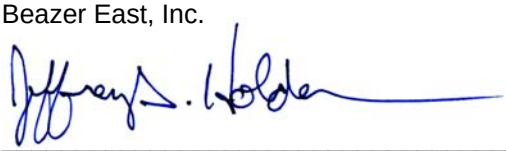
_____
Allen Debus, Chemist
United States Environmental Protection Agency

_____
George Hamper, Section Chief
United States Environmental Protection Agency

_____
Jose Cisneros, Branch Chief
United States Environmental Protection Agency



_____
Michael Slenska, Senior Environmental Manager
Beazer East, Inc.



_____
Jeffrey Holden, Principal Engineer
ARCADIS

_____
Paul Anderson, Vice President
AMEC Earth & Environmental, Inc.

ARCADIS

Appendix F

QAPP Reference Table

SUMMARY OF APPLICABLE QAPP REFERENCES

FORMER KOPPERS WOOD-TREATING SITE
CARBONDALE, ILLINOIS

QAPP Reference	Applicable to:		
	SDD (EA 1) SAP	EAs 2, 3, 5 SAP	COC SAP
Document Section			
1. Introduction	X	X	X
2. Project Organization	X	X	X
2.1 Project Team	X	X	X
2.2 Roles and Responsibilities	X	X	X
2.2.1 Beazer	X	X	X
2.2.2 Beazer Consultants	X	X	X
2.2.3 Analytical Laboratories	X	X	X
2.2.4 USEPA	X	X	X
2.2.5 IEPA	X	X	X
3. Project Background	X	X	X
3.1 Site Location and Description	X	X	X
3.2 Site History, Summary of Activities, and Current Status	X	X	X
4. Project Description	X	X	X
4.1 Investigation Objectives and Anticipated Scope	X	X	X
4.2 Approach	X	X	X
4.3 Project Schedule	X	X	X
5. Data Quality Objectives and Criteria for Measurement	X	X	X
5.1 DQO Process Overview	X	X	X
5.2 Data and Reporting Categories	X	X	X
5.3 Anticipated Sampling and Analysis Activities	X	X	X
5.3.1 Groundwater Sampling/Analysis			
5.3.2 Southern Drainage Ditches Sampling/Analysis	X	X	
5.3.3 Water Body Sampling/Analysis			X
6. Special Training Requirements/Certification	X	X	X
7. Documentation and Records	X	X	X
7.1 General	X	X	X
7.2 Sample Designation System	X	X	X
7.3 Field Documentation	X	X	X
7.4 Laboratory Documentation Files	X	X	X
7.4.1 Laboratory Project Files	X	X	X
7.4.2 Laboratory Logbooks	X	X	X
7.4.3 Computer Tape and Hard Copy Storage	X	X	X
7.5 Data Reporting Requirements	X	X	X
7.5.1 Field Data Reporting	X	X	X
7.5.2 Laboratory Data Reporting	X	X	X
7.6 Project File	X	X	X
8. Sampling Process Design	X	X	X
9. Sampling Method Requirements	X	X	X
10. Sampling Handling and Custody Requirements	X	X	X
10.1 Sample Containers and Preservation	X	X	X
10.2 Field Custody Procedures	X	X	X
10.2.1 Field Logbooks	X	X	X
10.2.2 Sample Labeling	X	X	X
10.2.3 Field Chain-of-Custody Forms	X	X	X
10.3 Management of Investigation-Derived Materials and Wastes	X	X	X
10.4 Packing, Handling, and Shipping Requirements	X	X	X
10.5 Laboratory Custody Procedures	X	X	X
10.5.1 General	X	X	X
10.5.2 Sample Receipt and Storage	X	X	X
10.5.3 Sample Analysis	X	X	X
11. Analytical Method Requirements	X	X	X
11.1 Field Parameters and Methods			
11.2 Laboratory Parameters and Methods	X	X	X

SUMMARY OF APPLICABLE QAPP REFERENCES

FORMER KOPPERS WOOD-TREATING SITE
CARBONDALE, ILLINOIS

QAPP Reference	Applicable to:		
	SDD (EA 1) SAP	EAs 2, 3, 5 SAP	COC SAP
11.2.1 Sample Matrices	X	X	X
11.2.1.1 Groundwater			
11.2.1.2 Surface Water			
11.2.1.3 Soil	X	X	
11.2.1.4 Sediment	X	X	X
11.2.1.5 Biota			
11.2.2 Analytical Requirements	X	X	X
12. Quality Control Requirements	X	X	X
12.1 Quality Assurance Indictors	X	X	X
12.1.1 Representativeness	X	X	X
12.1.2 Comparability	X	X	X
12.1.3 Completeness	X	X	X
12.1.4 Precision	X	X	X
12.1.5 Accuracy	X	X	X
12.2 Field Quality Control Checks	X	X	X
12.2.1 Field Measurements			
12.2.2 Sample Containers	X	X	X
12.2.3 Field Duplicates	X	X	X
12.2.4 Rinse Blanks	X	X	X
12.3 Analytical Laboratory Quality Control Checks	X	X	X
12.3.1 General	X	X	X
12.3.2 Method Blanks	X	X	X
12.3.3 MS/MSDs	X	X	X
12.3.4 Surrogate Spikes	X	X	X
12.3.5 Serial Dilutions	X	X	X
12.3.6 Contract Required Detection Limit (CRDL) Check Standards	X	X	X
12.3.7 Interference Check Standards (ICS)	X	X	X
12.3.8 Laboratory Duplicates	X	X	X
12.3.9 Calibration Check Standards	X	X	X
12.3.10 Reference Standards/Control Samples	X	X	X
12.4 Data Precision Assessment Procedures	X	X	X
12.5 Data Accuracy Assessment Procedures	X	X	X
12.6 Data Completeness Assessment Procedures	X	X	X
13. Instrument/Equipment Testing, Inspection, and Maintenance Requirements	X	X	X
13.1 General	X	X	X
13.2 Field Instruments and Equipment			
13.3 Laboratory Instruments and Equipment	X	X	X
13.3.1 General	X	X	X
13.3.2 Instrument Maintenance	X	X	X
14. Instrument Calibration and Frequency	X	X	X
14.1 Field Instruments and Equipment			
14.2 Laboratory Instrument and Equipment	X	X	X
15. Inspection/Acceptance Requirements for Supplies and Consumables	X	X	X
16. Data Acquisition Requirements for Non-Direct Measurements	X	X	X
17. Data Management	X	X	X
17.1 Sample Designation System	X	X	X
17.2 Field Activities	X	X	X
17.2.1 Field Documentation	X	X	X
17.2.2 Data Security	X	X	X
17.3 Sample Management and Tracking	X	X	X
17.4 Data Management System	X	X	X
17.4.1 Computer Hardware	X	X	X
17.4.2 Computer Software	X	X	X

SUMMARY OF APPLICABLE QAPP REFERENCES

FORMER KOPPERS WOOD-TREATING SITE
CARBONDALE, ILLINOIS

QAPP Reference	Applicable to:		
	SDD (EA 1) SAP	EAs 2, 3, 5 SAP	COC SAP
17.4.3 Survey Information	X	X	X
17.4.4 Field Observations	X	X	X
17.4.5 Analytical Results	X	X	X
17.4.6 Data Analysis and Reporting	X	X	X
18. Assessment and Response Actions	X	X	X
18.1 General	X	X	X
18.2 Field Audits	X	X	X
18.3 Laboratory Audits	X	X	X
18.4 Corrective Action	X	X	X
18.4.1 Field Procedures	X	X	X
18.4.2 Laboratory Procedures	X	X	X
19. Reports to Management	X	X	X
19.1 Field Reports	X	X	X
19.2 Laboratory Reports	X	X	X
20. Data Reduction and Review	X	X	X
20.1 General	X	X	X
20.2 Field Data Reduction and Review	X	X	X
20.2.1 Field Data Reduction	X	X	X
20.2.2 Field Data Review	X	X	X
20.3 Laboratory Data Reduction and Review	X	X	X
20.3.1 Laboratory Data Reduction	X	X	X
20.3.2 Laboratory Data Review	X	X	X
20.4 Data Verification and Validation	X	X	X
21. Data Verification and Validation	X	X	X
22. Reconciliation with User Requirements	X	X	X
23. References	X	X	X
Tables			
1 Sample Quantities and Quality Control Frequencies	X	X	X
2A Parameters, Methods, and Target Reporting Limits (Groundwater and Surface Water)			
2B Parameters, Methods, and Target Reporting Limits (Soil and Sediment)	X	X	X
2C Parameters, Methods, and Target Reporting Limits (Biota)			
3 Analytical Quality Control Limits	X	X	X
4 Sample Containers, Preservation, and Holding Times	X	X	X
5 Electronic Data Deliverable (EDD) Format	X	X	X
Figure			
1 Site Plan	X	X	X
Appendices			
A Project Organization Chart	X	X	X
B Chain of Custody	X	X	X
Attachments			
A Field Sampling Standard Operating Procedures	X	X	X
B Laboratory Standard Operating Procedures (on CD-ROM)	X	X	X
C Laboratory Quality Assurance Manuals (on CD-ROM)	X	X	X

Notes:
QAPP = *Quality Assurance Project Plan* (ARCADIS, February 2008)
SDD (EA 1) SAP = *Sampling and Analysis Plan for Evaluation Area 1 - Southern Drainage Ditches* (ARCADIS, October 2009)
EAs 2, 3, 5 SAP = *Sampling and Analysis Plan for PCDD/PCDF Soil Sampling - Evaluation Aras 2, 3 and 5* (ARCADIS, October 2009)
COC SAP = *Sampling and Analysis Plan for PCDD/PCDF Sediment Sampling - Crab Orchard Creek* (ARCADIS, October 2009

ARCADIS

Appendix G

NELAP Certifications

ARCADIS

Test America

Pennsylvania Department of Environmental Protection

P. O. Box 1467
Harrisburg, PA 17105-1467
May 4, 2009

Bureau of Laboratories Phone: 717-346-7200

CERTIFIED MAIL NO. 7003 3110 0004 0413 4120

Larry Matko
TestAmerica Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238

Re: Laboratory Accreditation Status
DEP Lab No. 02-00416

Dear Mr. Matko:

Your laboratory's Scope of Accreditation has been updated per your request in the e-mail dated April 17, 2009. The Department missed two requests on the application for accreditation received March 16, 2009 and the e-mail request received April 9, 2009. The following changes were made: fixed suspended solids and volatile suspended solids by SM 2540E were added in non-potable water. Your current status in the National Environmental Laboratory Accreditation Program in Pennsylvania is as shown on the attached listings. That list of accredited fields of testing replaces all previous lists.

Your laboratory shall not use this Scope of Accreditation to imply endorsement by the Department or the National Environmental Laboratory Accreditation Program. In order to maintain accreditation, your laboratory must remain in compliance with Departmental regulations.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions regarding your laboratory accreditation status, please contact Ms. Bethany Piper at 717-346-8214 or me at 717-346-8212.

Sincerely,

Aaren S. Alger, Chief
Laboratory Accreditation Program

Cc: File
Enclosures

Laboratory Scope of Accreditation

Attachment to Certificate of Accreditation 006, expiration date April 30, 2010. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Program Non-Potable Water

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 1010	Ignitability	NELAP	PA	8/26/2006
EPA 110.2	Color	NELAP	PA	8/24/2005
EPA 120.1	Conductivity	NELAP	PA	4/7/2005
EPA 130.2	Total hardness as CaCO3	NELAP	PA	4/7/2005
EPA 1310A	Extraction Procedure (EP) Toxicity Test Method	NELAP	PA	8/26/2006
EPA 150.1	pH	NELAP	PA	4/7/2005
EPA 160.1	Residue-filterable (TDS)	NELAP	PA	4/7/2005
EPA 160.2	Residue-nonfilterable (TSS)	NELAP	PA	4/7/2005
EPA 160.3	Residue-total	NELAP	PA	4/7/2005
EPA 160.4	Residue-volatile	NELAP	PA	4/7/2005
EPA 160.5	Residue-settleable	NELAP	PA	8/26/2006
EPA 1664 Rev A	Non-polar material	NELAP	PA	8/24/2005
EPA 1664 Rev A	Oil and Grease	NELAP	PA	4/7/2005
EPA 170.1	Temperature, deg. C	NELAP	PA	3/16/2009
EPA 180.1	Turbidity	NELAP	PA	8/26/2006
EPA 200.7	Aluminum	NELAP	PA	4/7/2005
EPA 200.7	Antimony	NELAP	PA	4/7/2005
EPA 200.7	Arsenic	NELAP	PA	4/7/2005
EPA 200.7	Barium	NELAP	PA	4/7/2005
EPA 200.7	Beryllium	NELAP	PA	4/7/2005
EPA 200.7	Boron	NELAP	PA	4/7/2005
EPA 200.7	Cadmium	NELAP	PA	4/7/2005
EPA 200.7	Calcium	NELAP	PA	4/7/2005
EPA 200.7	Chromium	NELAP	PA	4/7/2005
EPA 200.7	Cobalt	NELAP	PA	4/7/2005
EPA 200.7	Copper	NELAP	PA	4/7/2005
EPA 200.7	Iron	NELAP	PA	4/7/2005
EPA 200.7	Lead	NELAP	PA	4/7/2005
EPA 200.7	Magnesium	NELAP	PA	4/7/2005
EPA 200.7	Manganese	NELAP	PA	4/7/2005
EPA 200.7	Molybdenum	NELAP	PA	4/7/2005
EPA 200.7	Nickel	NELAP	PA	4/7/2005
EPA 200.7	Potassium	NELAP	PA	4/7/2005
EPA 200.7	Selenium	NELAP	PA	4/7/2005
EPA 200.7	Silver	NELAP	PA	4/7/2005
EPA 200.7	Sodium	NELAP	PA	4/7/2005

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State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Program Non-Potable Water

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 200.7	Thallium	NELAP	PA	4/7/2005
EPA 200.7	Tin	NELAP	PA	4/7/2005
EPA 200.7	Titanium	NELAP	PA	4/7/2005
EPA 200.7	Vanadium	NELAP	PA	4/7/2005
EPA 200.7	Zinc	NELAP	PA	4/7/2005
EPA 200.7	Calcium hardness as CaCO3	NELAP	PA	8/24/2005
EPA 200.7	Hardness (calc.)	NELAP	PA	8/24/2005
EPA 200.7	Magnesium hardness	NELAP	PA	8/24/2005
EPA 200.7	Silica as SiO2	NELAP	PA	8/24/2005
EPA 200.7	Total hardness as CaCO3	NELAP	PA	8/24/2005
EPA 200.7-Extended	Cesium	NELAP	PA	4/18/2006
EPA 200.7-Extended	Strontium	NELAP	PA	3/1/2007
EPA 200.8	Aluminum	NELAP	PA	4/7/2005
EPA 200.8	Antimony	NELAP	PA	4/7/2005
EPA 200.8	Arsenic	NELAP	PA	4/7/2005
EPA 200.8	Barium	NELAP	PA	4/7/2005
EPA 200.8	Beryllium	NELAP	PA	4/7/2005
EPA 200.8	Boron	NELAP	PA	8/24/2005
EPA 200.8	Cadmium	NELAP	PA	4/7/2005
EPA 200.8	Calcium	NELAP	PA	8/24/2005
EPA 200.8	Chromium	NELAP	PA	4/7/2005
EPA 200.8	Cobalt	NELAP	PA	4/7/2005
EPA 200.8	Copper	NELAP	PA	4/7/2005
EPA 200.8	Iron	NELAP	PA	8/24/2005
EPA 200.8	Lead	NELAP	PA	4/7/2005
EPA 200.8	Magnesium	NELAP	PA	8/24/2005
EPA 200.8	Manganese	NELAP	PA	1/22/2007
EPA 200.8	Molybdenum	NELAP	PA	4/7/2005
EPA 200.8	Nickel	NELAP	PA	4/7/2005
EPA 200.8	Potassium	NELAP	PA	8/24/2005
EPA 200.8	Selenium	NELAP	PA	4/7/2005
EPA 200.8	Silver	NELAP	PA	4/7/2005
EPA 200.8	Sodium	NELAP	PA	8/24/2005
EPA 200.8	Thallium	NELAP	PA	4/7/2005
EPA 200.8	Tin	NELAP	PA	8/24/2005
EPA 200.8	Titanium	NELAP	PA	8/24/2005

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State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Program Non-Potable Water

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 200.8	Vanadium	NELAP	PA	4/7/2005
EPA 200.8	Zinc	NELAP	PA	4/7/2005
EPA 200.8-Extended	Cesium	NELAP	PA	4/18/2006
EPA 200.8-Extended	Strontium	NELAP	PA	3/1/2007
EPA 200.8-Extended	Calcium hardness as CaCO3	NELAP	PA	4/9/2009
EPA 200.8-Extended	Silica as SiO2	NELAP	PA	4/18/2006
EPA 200.8-Extended	Total hardness as CaCO3	NELAP	PA	4/9/2009
EPA 245.1	Mercury	NELAP	PA	4/7/2005
EPA 300.0	Bromide	NELAP	PA	8/24/2005
EPA 300.0	Chloride	NELAP	PA	4/7/2005
EPA 300.0	Fluoride	NELAP	PA	8/24/2005
EPA 300.0	Nitrate as N	NELAP	PA	4/7/2005
EPA 300.0	Nitrite as N	NELAP	PA	4/7/2005
EPA 300.0	Orthophosphate as P	NELAP	PA	4/7/2005
EPA 300.0	Sulfate	NELAP	PA	4/7/2005
EPA 3005A	Preconcentration under acid	NELAP	PA	8/26/2006
EPA 3010A	Hot plate acid digestion (HNO3 + HCl)	NELAP	PA	8/26/2006
EPA 305.1	Acidity as CaCO3	NELAP	PA	4/7/2005
EPA 3060A	Alkaline digestion of Cr(VI)	NELAP	PA	8/26/2006
EPA 310.1	Alkalinity as CaCO3	NELAP	PA	4/7/2005
EPA 310.2	Alkalinity as CaCO3	NELAP	PA	4/7/2005
EPA 325.1	Chloride	NELAP	PA	11/8/2007
EPA 325.2	Chloride	NELAP	PA	4/7/2005
EPA 335.4	Total cyanide	NELAP	PA	4/7/2005
EPA 350.1	Ammonia as N	NELAP	PA	4/7/2005
EPA 3500B	Organics extraction and sample preparation	NELAP	PA	8/26/2006
EPA 3510C	Separatory funnel liquid-liquid extraction	NELAP	PA	8/26/2006
EPA 3520C	Continuous liquid-liquid extraction	NELAP	PA	8/26/2006
EPA 353.2	Nitrate as N	NELAP	PA	4/7/2005
EPA 353.2	Nitrite as N	NELAP	PA	8/26/2006
EPA 353.2	Total nitrate-nitrite	NELAP	PA	8/26/2006
EPA 3535A	Solid-phase extraction (SPE)	NELAP	PA	4/13/2009
EPA 360.1	Oxygen (dissolved)	NELAP	PA	3/16/2009
EPA 3620B	Florisil cleanup	NELAP	PA	8/26/2006
EPA 3620C	Florisil cleanup	NELAP	PA	3/16/2009
EPA 3640A	Gel permeation cleanup	NELAP	PA	8/26/2006

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State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Program Non-Potable Water

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 3660B	Sulfur cleanup	NELAP	PA	8/26/2006
EPA 376.1	Sulfide	NELAP	PA	4/7/2005
EPA 405.1	Biochemical oxygen demand (BOD)	NELAP	PA	6/24/2008
EPA 410.4	Chemical oxygen demand (COD)	NELAP	PA	4/7/2005
EPA 415.1	Total organic carbon (TOC)	NELAP	PA	4/7/2005
EPA 420.1	Total phenolics	NELAP	PA	4/8/2008
EPA 420.2	Total phenolics	NELAP	PA	4/7/2005
EPA 420.4	Total phenolics	NELAP	PA	7/13/2007
EPA 5030B	Aqueous-phase purge-and-trap	NELAP	PA	3/1/2007
EPA 6010	Aluminum	NELAP	PA	8/26/2006
EPA 6010	Antimony	NELAP	PA	8/26/2006
EPA 6010	Arsenic	NELAP	PA	8/26/2006
EPA 6010	Barium	NELAP	PA	8/26/2006
EPA 6010	Beryllium	NELAP	PA	8/26/2006
EPA 6010	Boron	NELAP	PA	8/26/2006
EPA 6010	Cadmium	NELAP	PA	8/26/2006
EPA 6010	Calcium	NELAP	PA	8/26/2006
EPA 6010	Chromium	NELAP	PA	8/26/2006
EPA 6010	Cobalt	NELAP	PA	8/26/2006
EPA 6010	Copper	NELAP	PA	8/26/2006
EPA 6010	Iron	NELAP	PA	8/26/2006
EPA 6010	Lead	NELAP	PA	8/26/2006
EPA 6010	Lithium	NELAP	PA	8/26/2006
EPA 6010	Magnesium	NELAP	PA	8/26/2006
EPA 6010	Manganese	NELAP	PA	8/26/2006
EPA 6010	Molybdenum	NELAP	PA	8/26/2006
EPA 6010	Nickel	NELAP	PA	8/26/2006
EPA 6010	Potassium	NELAP	PA	8/26/2006
EPA 6010	Selenium	NELAP	PA	8/26/2006
EPA 6010	Silver	NELAP	PA	8/26/2006
EPA 6010	Sodium	NELAP	PA	8/26/2006
EPA 6010	Strontium	NELAP	PA	8/26/2006
EPA 6010	Thallium	NELAP	PA	8/26/2006
EPA 6010	Tin	NELAP	PA	8/26/2006
EPA 6010	Titanium	NELAP	PA	8/26/2006
EPA 6010	Vanadium	NELAP	PA	8/26/2006

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 6010	Zinc	NELAP	PA	8/26/2006
EPA 6010	Silica as SiO2	NELAP	PA	4/18/2006
EPA 6010-Extended	Cesium	NELAP	PA	4/18/2006
EPA 6010B	ICP-AES	NELAP	PA	4/8/2009
EPA 6010C	ICP-AES	NELAP	PA	3/16/2009
EPA 6020	Aluminum	NELAP	PA	8/26/2006
EPA 6020	Antimony	NELAP	PA	8/26/2006
EPA 6020	Arsenic	NELAP	PA	8/26/2006
EPA 6020	Barium	NELAP	PA	8/26/2006
EPA 6020	Beryllium	NELAP	PA	8/26/2006
EPA 6020	Boron	NELAP	PA	8/26/2006
EPA 6020	Cadmium	NELAP	PA	8/26/2006
EPA 6020	Calcium	NELAP	PA	8/26/2006
EPA 6020	Chromium	NELAP	PA	8/26/2006
EPA 6020	Cobalt	NELAP	PA	8/26/2006
EPA 6020	Copper	NELAP	PA	8/26/2006
EPA 6020	ICP-MS	NELAP	PA	3/16/2009
EPA 6020	Iron	NELAP	PA	8/26/2006
EPA 6020	Lead	NELAP	PA	8/26/2006
EPA 6020	Magnesium	NELAP	PA	8/26/2006
EPA 6020	Manganese	NELAP	PA	1/22/2007
EPA 6020	Nickel	NELAP	PA	8/26/2006
EPA 6020	Potassium	NELAP	PA	8/26/2006
EPA 6020	Silver	NELAP	PA	8/26/2006
EPA 6020	Sodium	NELAP	PA	8/26/2006
EPA 6020	Thallium	NELAP	PA	8/26/2006
EPA 6020	Zinc	NELAP	PA	8/26/2006
EPA 6020-Extended	Cesium	NELAP	PA	4/18/2006
EPA 6020-Extended	Molybdenum	NELAP	PA	8/26/2006
EPA 6020-Extended	Selenium	NELAP	PA	8/26/2006
EPA 6020-Extended	Strontium	NELAP	PA	8/26/2006
EPA 6020-Extended	Tin	NELAP	PA	8/26/2006
EPA 6020-Extended	Titanium	NELAP	PA	8/26/2006
EPA 6020-Extended	Vanadium	NELAP	PA	8/26/2006
EPA 6020-Extended	Silica as SiO2	NELAP	PA	4/18/2006
EPA 6020A	ICP-MS	NELAP	PA	3/16/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 608	Aroclor-1016 (PCB-1016)	NELAP	PA	4/7/2005
EPA 608	Aroclor-1221 (PCB-1221)	NELAP	PA	4/7/2005
EPA 608	Aroclor-1232 (PCB-1232)	NELAP	PA	4/7/2005
EPA 608	Aroclor-1242 (PCB-1242)	NELAP	PA	4/7/2005
EPA 608	Aroclor-1248 (PCB-1248)	NELAP	PA	4/7/2005
EPA 608	Aroclor-1254 (PCB-1254)	NELAP	PA	4/7/2005
EPA 608	Aroclor-1260 (PCB-1260)	NELAP	PA	4/7/2005
EPA 608	4 4'-DDD	NELAP	PA	4/7/2005
EPA 608	4 4'-DDE	NELAP	PA	4/7/2005
EPA 608	4 4'-DDT	NELAP	PA	4/7/2005
EPA 608	Aldrin (HHDN)	NELAP	PA	4/7/2005
EPA 608	Chlordane (tech.)	NELAP	PA	4/7/2005
EPA 608	Dieldrin	NELAP	PA	4/7/2005
EPA 608	Endosulfan I	NELAP	PA	4/7/2005
EPA 608	Endosulfan II	NELAP	PA	4/7/2005
EPA 608	Endosulfan sulfate	NELAP	PA	4/7/2005
EPA 608	Endrin	NELAP	PA	4/7/2005
EPA 608	Endrin aldehyde	NELAP	PA	11/7/2006
EPA 608	Heptachlor	NELAP	PA	4/7/2005
EPA 608	Heptachlor epoxide	NELAP	PA	4/7/2005
EPA 608	Methoxychlor	NELAP	PA	4/18/2006
EPA 608	Toxaphene (Chlorinated camphene)	NELAP	PA	4/7/2005
EPA 608	alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	4/7/2005
EPA 608	beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	4/7/2005
EPA 608	delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	4/7/2005
EPA 608	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	4/7/2005
EPA 608-Extended	Aroclor-1262 (PCB-1262)	NELAP	PA	4/8/2009
EPA 608-Extended	Aroclor-1268 (PCB-1268)	NELAP	PA	4/8/2009
EPA 608-Extended	Endrin ketone	NELAP	PA	3/1/2007
EPA 608-Extended	alpha-Chlordane	NELAP	PA	4/18/2006
EPA 608-Extended	gamma-Chlordane	NELAP	PA	4/18/2006
EPA 610	Acenaphthene	NELAP	PA	4/7/2005
EPA 610	Acenaphthylene	NELAP	PA	4/7/2005
EPA 610	Anthracene	NELAP	PA	4/7/2005
EPA 610	Benzo(a)anthracene	NELAP	PA	4/7/2005
EPA 610	Benzo(a)pyrene	NELAP	PA	4/7/2005

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 610	Benzo(b)fluoranthene	NELAP	PA	4/7/2005
EPA 610	Benzo(g h i)perylene	NELAP	PA	4/7/2005
EPA 610	Benzo(k)fluoranthene	NELAP	PA	4/7/2005
EPA 610	Chrysene	NELAP	PA	4/7/2005
EPA 610	Dibenzo(a h)anthracene	NELAP	PA	4/7/2005
EPA 610	Fluoranthene	NELAP	PA	4/7/2005
EPA 610	Fluorene	NELAP	PA	4/7/2005
EPA 610	Indeno(1 2 3-cd)pyrene	NELAP	PA	4/7/2005
EPA 610	Phenanthrene	NELAP	PA	4/7/2005
EPA 610	Pyrene	NELAP	PA	4/7/2005
EPA 610	Naphthalene	NELAP	PA	4/7/2005
EPA 610-Extended	1-Methylnaphthalene	NELAP	PA	4/8/2009
EPA 610-Extended	2-Methylnaphthalene	NELAP	PA	4/8/2009
EPA 610-Extended	Carbazole	NELAP	PA	4/8/2009
EPA 624	1,1,1-Trichloroethane	NELAP	PA	4/7/2005
EPA 624	1,1,2,2-Tetrachloroethane	NELAP	PA	4/7/2005
EPA 624	1,1,2-Trichloroethane	NELAP	PA	4/7/2005
EPA 624	1,1-Dichloroethane	NELAP	PA	4/7/2005
EPA 624	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	4/7/2005
EPA 624	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 624	1,2-Dichloroethane	NELAP	PA	4/7/2005
EPA 624	1,2-Dichloropropane	NELAP	PA	4/7/2005
EPA 624	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 624	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 624	2-Chloroethyl vinyl ether	NELAP	PA	4/7/2005
EPA 624	Acrolein (Propenal)	NELAP	PA	4/7/2005
EPA 624	Acrylonitrile	NELAP	PA	4/7/2005
EPA 624	Benzene	NELAP	PA	4/7/2005
EPA 624	Bromodichloromethane	NELAP	PA	4/7/2005
EPA 624	Bromoform	NELAP	PA	4/7/2005
EPA 624	Carbon tetrachloride	NELAP	PA	4/7/2005
EPA 624	Chlorobenzene	NELAP	PA	4/7/2005
EPA 624	Chloroethane	NELAP	PA	4/7/2005
EPA 624	Chloroform	NELAP	PA	4/7/2005
EPA 624	Dibromochloromethane	NELAP	PA	4/7/2005
EPA 624	Ethylbenzene	NELAP	PA	4/7/2005

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 624	Methyl bromide (Bromomethane)	NELAP	PA	11/7/2006
EPA 624	Methyl chloride (Chloromethane)	NELAP	PA	4/7/2005
EPA 624	Methylene chloride (Dichloromethane)	NELAP	PA	4/7/2005
EPA 624	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	4/7/2005
EPA 624	Toluene	NELAP	PA	4/7/2005
EPA 624	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	4/7/2005
EPA 624	Trichlorofluoromethane (Freon 11)	NELAP	PA	4/7/2005
EPA 624	Vinyl chloride	NELAP	PA	4/7/2005
EPA 624	Xylenes, total	NELAP	PA	4/7/2005
EPA 624	cis-1 3-Dichloropropene	NELAP	PA	4/7/2005
EPA 624	m+p-Xylene	NELAP	PA	8/24/2005
EPA 624	m-Xylene	NELAP	PA	8/26/2006
EPA 624	o-Xylene	NELAP	PA	8/24/2005
EPA 624	p-Xylene	NELAP	PA	8/26/2006
EPA 624	trans-1 2-Dichloroethene	NELAP	PA	4/7/2005
EPA 624	trans-1 3-Dichloropropene	NELAP	PA	4/7/2005
EPA 624-Extended	1 3 5-Trichlorobenzene	NELAP	PA	4/8/2009
EPA 624-Extended	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	4/8/2009
EPA 624-Extended	1,1-Dichloropropene	NELAP	PA	4/8/2009
EPA 624-Extended	1,2,3-Trichlorobenzene	NELAP	PA	4/8/2009
EPA 624-Extended	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	4/8/2009
EPA 624-Extended	1,2,4-Trichlorobenzene	NELAP	PA	4/8/2009
EPA 624-Extended	1,2,4-Trimethylbenzene	NELAP	PA	4/8/2009
EPA 624-Extended	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	4/8/2009
EPA 624-Extended	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	4/8/2009
EPA 624-Extended	1,3,5-Trimethylbenzene	NELAP	PA	4/8/2009
EPA 624-Extended	1,3-Dichloropropane	NELAP	PA	4/8/2009
EPA 624-Extended	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	4/8/2009
EPA 624-Extended	2 2-Dichloropropane	NELAP	PA	4/8/2009
EPA 624-Extended	2 3 6-Trichlorotoluene	NELAP	PA	4/8/2009
EPA 624-Extended	2 3-Dichlorotoluene	NELAP	PA	4/8/2009
EPA 624-Extended	2 4 5-Trichlorotoluene	NELAP	PA	4/8/2009
EPA 624-Extended	2 4-Dichlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 624-Extended	2 4-Dichlorotoluene	NELAP	PA	4/8/2009
EPA 624-Extended	2 5-Dichlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 624-Extended	2 5-Dichlorotoluene	NELAP	PA	4/8/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 624-Extended	2 6-Dichlorotoluene	NELAP	PA	4/8/2009
EPA 624-Extended	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	3/1/2007
EPA 624-Extended	2-Chlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 624-Extended	2-Hexanone	NELAP	PA	4/8/2008
EPA 624-Extended	3 4-Dichlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 624-Extended	3-Chlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 624-Extended	3-Chlorotoluene	NELAP	PA	4/8/2009
EPA 624-Extended	4-Chlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 624-Extended	4-Chlorotoluene	NELAP	PA	4/8/2009
EPA 624-Extended	4-Isopropyltoluene (p-Isopropyltoluene)	NELAP	PA	4/8/2009
EPA 624-Extended	4-Methyl-2-pentanone (MIBK)	NELAP	PA	4/8/2009
EPA 624-Extended	Acetone	NELAP	PA	4/8/2008
EPA 624-Extended	Acetonitrile	NELAP	PA	4/8/2009
EPA 624-Extended	Bromobenzene	NELAP	PA	4/8/2009
EPA 624-Extended	Bromochloromethane	NELAP	PA	3/1/2007
EPA 624-Extended	Carbon disulfide	NELAP	PA	4/8/2009
EPA 624-Extended	Cyclohexane	NELAP	PA	4/8/2009
EPA 624-Extended	Cyclohexanol	NELAP	PA	4/8/2009
EPA 624-Extended	Dibromomethane	NELAP	PA	4/8/2009
EPA 624-Extended	Dichlorodifluoromethane (Freon 12)	NELAP	PA	4/8/2009
EPA 624-Extended	Ethyl methacrylate	NELAP	PA	4/8/2009
EPA 624-Extended	Hexachlorobutadiene	NELAP	PA	4/8/2009
EPA 624-Extended	Iodomethane (Methyl iodide)	NELAP	PA	4/8/2009
EPA 624-Extended	Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	4/8/2009
EPA 624-Extended	Isopropylbenzene	NELAP	PA	4/8/2009
EPA 624-Extended	Methacrylonitrile	NELAP	PA	4/8/2009
EPA 624-Extended	Methyl acetate	NELAP	PA	4/8/2009
EPA 624-Extended	Methyl isobutyl ketone (MIBK, 4-Methyl-2-pentanone)	NELAP	PA	4/8/2008
EPA 624-Extended	Methyl tert-butyl ether (MTBE)	NELAP	PA	4/8/2008
EPA 624-Extended	Methylcyclohexane	NELAP	PA	4/8/2009
EPA 624-Extended	Methylmethacrylate	NELAP	PA	4/8/2009
EPA 624-Extended	Naphthalene	NELAP	PA	4/8/2009
EPA 624-Extended	Propionitrile (Ethyl cyanide)	NELAP	PA	4/8/2009
EPA 624-Extended	Styrene	NELAP	PA	4/8/2009
EPA 624-Extended	Vinyl acetate	NELAP	PA	4/8/2009
EPA 624-Extended	cis-1 2-Dichloroethene	NELAP	PA	4/8/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 624-Extended	n-Butylbenzene	NELAP	PA	4/8/2009
EPA 624-Extended	n-Propylbenzene	NELAP	PA	4/8/2009
EPA 624-Extended	sec-Butylbenzene	NELAP	PA	4/8/2009
EPA 624-Extended	tert-Amyl methyl ether (TAME)	NELAP	PA	4/8/2009
EPA 624-Extended	tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	4/8/2009
EPA 624-Extended	tert-Butylbenzene	NELAP	PA	4/8/2009
EPA 624-Extended	trans-1 4-Dichloro-2-butene	NELAP	PA	4/8/2009
EPA 624-Extended	3 4-Dichlorotoluene	NELAP	PA	4/8/2009
EPA 625	2 4 5-Trichlorophenol	NELAP	PA	8/24/2005
EPA 625	2 4 6-Trichlorophenol	NELAP	PA	4/7/2005
EPA 625	2 4-Dichlorophenol	NELAP	PA	4/7/2005
EPA 625	2 4-Dimethylphenol	NELAP	PA	4/7/2005
EPA 625	2 4-Dinitrophenol	NELAP	PA	4/7/2005
EPA 625	2 4-Dinitrotoluene (2 4-DNT)	NELAP	PA	4/7/2005
EPA 625	2 6-Dinitrotoluene (2 6-DNT)	NELAP	PA	4/7/2005
EPA 625	2-Chloronaphthalene	NELAP	PA	4/7/2005
EPA 625	2-Chlorophenol	NELAP	PA	4/7/2005
EPA 625	2-Methyl-4 6-dinitrophenol (4 6-Dinitro-2-methylphenol)	NELAP	PA	4/7/2005
EPA 625	2-Nitrophenol	NELAP	PA	4/7/2005
EPA 625	3 3'-Dichlorobenzidine	NELAP	PA	4/7/2005
EPA 625	4-Bromophenyl phenyl ether	NELAP	PA	4/7/2005
EPA 625	4-Chloro-3-methylphenol	NELAP	PA	4/7/2005
EPA 625	4-Chlorophenyl phenyl ether	NELAP	PA	4/7/2005
EPA 625	4-Nitrophenol	NELAP	PA	4/7/2005
EPA 625	Acenaphthene	NELAP	PA	4/7/2005
EPA 625	Acenaphthylene	NELAP	PA	4/7/2005
EPA 625	Acetophenone	NELAP	PA	8/24/2005
EPA 625	Anthracene	NELAP	PA	4/7/2005
EPA 625	Benzidine	NELAP	PA	4/7/2005
EPA 625	Benzo(a)anthracene	NELAP	PA	4/7/2005
EPA 625	Benzo(a)pyrene	NELAP	PA	4/7/2005
EPA 625	Benzo(b)fluoranthene	NELAP	PA	4/7/2005
EPA 625	Benzo(g h i)perylene	NELAP	PA	4/7/2005
EPA 625	Benzo(k)fluoranthene	NELAP	PA	4/7/2005
EPA 625	Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	4/7/2005
EPA 625	Chrysene	NELAP	PA	4/7/2005

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 625	Cresols (total)	NELAP	PA	4/18/2006
EPA 625	Di-n-butyl phthalate	NELAP	PA	4/7/2005
EPA 625	Di-n-octyl phthalate	NELAP	PA	4/7/2005
EPA 625	Dibenzo(a h)anthracene	NELAP	PA	4/7/2005
EPA 625	Diethyl phthalate	NELAP	PA	4/7/2005
EPA 625	Dimethyl phthalate	NELAP	PA	4/7/2005
EPA 625	Fluoranthene	NELAP	PA	4/7/2005
EPA 625	Fluorene	NELAP	PA	4/7/2005
EPA 625	Hexachlorobenzene	NELAP	PA	4/7/2005
EPA 625	Hexachlorocyclopentadiene	NELAP	PA	4/7/2005
EPA 625	Indeno(1 2 3-cd)pyrene	NELAP	PA	4/7/2005
EPA 625	Isophorone	NELAP	PA	4/7/2005
EPA 625	N-Nitrosodi-n-propylamine	NELAP	PA	4/7/2005
EPA 625	N-Nitrosodimethylamine	NELAP	PA	4/7/2005
EPA 625	N-Nitrosodiphenylamine	NELAP	PA	4/7/2005
EPA 625	Pentachlorophenol (PCP)	NELAP	PA	4/7/2005
EPA 625	Phenanthrene	NELAP	PA	4/7/2005
EPA 625	Phenol	NELAP	PA	4/7/2005
EPA 625	Pyrene	NELAP	PA	4/7/2005
EPA 625	bis(2-Chloroethoxy)methane	NELAP	PA	4/7/2005
EPA 625	bis(2-Chloroethyl) ether	NELAP	PA	4/7/2005
EPA 625	bis(2-Chloroisopropyl) ether	NELAP	PA	4/7/2005
EPA 625	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	4/7/2005
EPA 625	1,2,4-Trichlorobenzene	NELAP	PA	4/7/2005
EPA 625	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 625	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 625	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 625	Hexachlorobutadiene	NELAP	PA	4/7/2005
EPA 625	Hexachloroethane	NELAP	PA	4/7/2005
EPA 625	Naphthalene	NELAP	PA	4/7/2005
EPA 625	Nitrobenzene	NELAP	PA	4/7/2005
EPA 625-Extended	Ethyl parathion	NELAP	PA	4/8/2009
EPA 625-Extended	1,2,3,4-Tetrahydronaphthalene	NELAP	PA	4/8/2009
EPA 625-Extended	1,2,4,5-Tetrachlorobenzene	NELAP	PA	4/8/2009
EPA 625-Extended	1,2-Diphenylhydrazine	NELAP	PA	4/8/2009
EPA 625-Extended	1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	4/8/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 625-Extended	1-Methylnaphthalene	NELAP	PA	4/8/2009
EPA 625-Extended	1-Nitronaphthalene	NELAP	PA	4/8/2009
EPA 625-Extended	2 2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	4/8/2009
EPA 625-Extended	2 3 4 6-Tetrachlorophenol	NELAP	PA	4/8/2009
EPA 625-Extended	2 3 5 6-Tetrachlorophenol	NELAP	PA	4/8/2009
EPA 625-Extended	2 6-Dinitrotoluene (2 6-DNT)	NELAP	PA	4/8/2009
EPA 625-Extended	2-Bromonaphthalene	NELAP	PA	4/8/2009
EPA 625-Extended	2-Methylnaphthalene	NELAP	PA	8/24/2005
EPA 625-Extended	2-Methylphenol (o-Cresol)	NELAP	PA	4/18/2006
EPA 625-Extended	2-Nitroaniline	NELAP	PA	4/18/2006
EPA 625-Extended	3+4-Methylphenol (m+p-Cresol)	NELAP	PA	4/8/2009
EPA 625-Extended	3-Chloroaniline	NELAP	PA	4/8/2009
EPA 625-Extended	3-Nitroaniline	NELAP	PA	4/18/2006
EPA 625-Extended	4 4'-Methylenebis(2-chloroaniline)	NELAP	PA	4/8/2009
EPA 625-Extended	4-Chloroaniline	NELAP	PA	4/8/2009
EPA 625-Extended	4-Methylphenol (p-Cresol)	NELAP	PA	3/1/2007
EPA 625-Extended	4-Nitroaniline	NELAP	PA	4/18/2006
EPA 625-Extended	4-Nitrobiphenyl	NELAP	PA	4/8/2009
EPA 625-Extended	6-Methylchrysene	NELAP	PA	4/8/2009
EPA 625-Extended	Aniline	NELAP	PA	8/24/2005
EPA 625-Extended	Aramite	NELAP	PA	4/8/2009
EPA 625-Extended	Benzaldehyde	NELAP	PA	4/8/2009
EPA 625-Extended	Benzenethiol	NELAP	PA	4/8/2009
EPA 625-Extended	Benzoic acid	NELAP	PA	4/8/2009
EPA 625-Extended	Benzotrichloride	NELAP	PA	4/8/2009
EPA 625-Extended	Benzyl alcohol	NELAP	PA	4/8/2009
EPA 625-Extended	Carbazole	NELAP	PA	4/8/2009
EPA 625-Extended	Dibenzofuran	NELAP	PA	4/8/2009
EPA 625-Extended	Diphenylamine	NELAP	PA	4/8/2009
EPA 625-Extended	Hexachlorophene	NELAP	PA	4/8/2009
EPA 625-Extended	N-Nitrosodiethylamine	NELAP	PA	4/8/2009
EPA 625-Extended	Pentachlorobenzene	NELAP	PA	4/8/2009
EPA 625-Extended	alpha-Terpineol	NELAP	PA	4/8/2009
EPA 625-Extended	n-Octadecane	NELAP	PA	4/8/2009
EPA 625-Extended	2 3-Dichloroaniline	NELAP	PA	4/8/2009
EPA 625-Extended	Dibenz(a h)acridine	NELAP	PA	4/8/2009

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State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 625-Extended	1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	4/8/2009
EPA 625-Extended	Atrazine	NELAP	PA	4/8/2009
EPA 625-Extended	Caprolactam	NELAP	PA	4/8/2009
EPA 625-Extended	Carbaryl (Sevin)	NELAP	PA	4/8/2009
EPA 625-Extended	Diallate (cis or trans)	NELAP	PA	4/8/2009
EPA 625-Extended	Dimethoate	NELAP	PA	4/8/2009
EPA 625-Extended	Isodrin	NELAP	PA	4/8/2009
EPA 625-Extended	Kepone	NELAP	PA	4/8/2009
EPA 625-Extended	Methyl parathion (Parathion, methyl)	NELAP	PA	4/8/2009
EPA 625-Extended	Trifluralin (Treflan)	NELAP	PA	4/8/2009
EPA 625-Extended	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	4/8/2009
EPA 625-Extended	Pyridine	NELAP	PA	4/8/2009
EPA 625-Extended	o-Toluidine	NELAP	PA	4/8/2009
EPA 7196A	Chromium VI	NELAP	PA	8/26/2006
EPA 7470A	Mercury	NELAP	PA	8/26/2006
EPA 8011	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	4/18/2006
EPA 8011	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	4/18/2006
EPA 8041	2 3 4 6-Tetrachlorophenol	NELAP	PA	4/8/2008
EPA 8041	2 3 5 6-Tetrachlorophenol	NELAP	PA	8/26/2006
EPA 8041	2 4 6-Trichlorophenol	NELAP	PA	11/20/2008
EPA 8041	2 4-Dibromophenol	NELAP	PA	4/8/2008
EPA 8041	2 4-Dichlorophenol	NELAP	PA	11/20/2008
EPA 8041	2 4-Dinitrophenol	NELAP	PA	11/20/2008
EPA 8041	2-Methyl-4 6-dinitrophenol (4 6-Dinitro-2-methylphenol)	NELAP	PA	11/20/2008
EPA 8041	2-Nitrophenol	NELAP	PA	11/20/2008
EPA 8041	4-Chloro-2-methylphenol	NELAP	PA	4/8/2008
EPA 8041	4-Chloro-3-methylphenol	NELAP	PA	11/20/2008
EPA 8041	4-Chlorophenol	NELAP	PA	4/8/2008
EPA 8041	4-Nitrophenol	NELAP	PA	11/20/2008
EPA 8041	Pentachlorophenol (PCP)	NELAP	PA	11/20/2008
EPA 8041	Phenol	NELAP	PA	11/20/2008
EPA 8041	Total cresols	NELAP	PA	4/8/2008
EPA 8041-Extended	4 6-Dichloro-2-methylphenol	NELAP	PA	4/8/2008
EPA 8081	Hexachlorobenzene	NELAP	PA	8/26/2006
EPA 8081	Hexachlorocyclopentadiene	NELAP	PA	8/26/2006

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EPA 8081	4 4'-DDD	NELAP	PA	8/26/2006
EPA 8081	4 4'-DDE	NELAP	PA	8/26/2006
EPA 8081	4 4'-DDT	NELAP	PA	8/26/2006
EPA 8081	Aldrin (HHDN)	NELAP	PA	8/26/2006
EPA 8081	Chlordane (tech.)	NELAP	PA	8/26/2006
EPA 8081	Chlorobenzilate	NELAP	PA	8/26/2006
EPA 8081	Diallate (cis or trans)	NELAP	PA	8/26/2006
EPA 8081	Dieldrin	NELAP	PA	8/26/2006
EPA 8081	Endosulfan I	NELAP	PA	8/26/2006
EPA 8081	Endosulfan II	NELAP	PA	8/26/2006
EPA 8081	Endosulfan sulfate	NELAP	PA	8/26/2006
EPA 8081	Endrin	NELAP	PA	8/26/2006
EPA 8081	Endrin aldehyde	NELAP	PA	11/7/2006
EPA 8081	Endrin ketone	NELAP	PA	1/6/2006
EPA 8081	Heptachlor	NELAP	PA	8/26/2006
EPA 8081	Heptachlor epoxide	NELAP	PA	8/26/2006
EPA 8081	Isodrin	NELAP	PA	8/26/2006
EPA 8081	Methoxychlor	NELAP	PA	1/6/2006
EPA 8081	Mirex	NELAP	PA	8/26/2006
EPA 8081	Toxaphene (Chlorinated camphene)	NELAP	PA	8/26/2006
EPA 8081	alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	8/26/2006
EPA 8081	alpha-Chlordane	NELAP	PA	1/6/2006
EPA 8081	beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	8/26/2006
EPA 8081	delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	8/26/2006
EPA 8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	8/26/2006
EPA 8081	gamma-Chlordane	NELAP	PA	1/6/2006
EPA 8081-Extended	2 4'-DDD	NELAP	PA	4/18/2006
EPA 8081-Extended	2 4'-DDE	NELAP	PA	4/18/2006
EPA 8081-Extended	2 4'-DDT	NELAP	PA	4/18/2006
EPA 8081-Extended	Dacthal (DCPA)	NELAP	PA	8/26/2006
EPA 8081-Extended	Chlorbenside	NELAP	PA	4/18/2006
EPA 8081-Extended	Oxychlordane	NELAP	PA	4/8/2009
EPA 8081-Extended	cis-Nonachlor	NELAP	PA	4/18/2006
EPA 8081-Extended	trans-Nonachlor	NELAP	PA	4/18/2006
EPA 8081A	Organochlorine Pesticides by GC	NELAP	PA	4/8/2009
EPA 8081B	Organochlorine Pesticides by GC	NELAP	PA	4/8/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082	2 2' 3 5 5' 6-Hexachlorobiphenyl (BZ 151)	NELAP	PA	8/26/2006
EPA 8082	2 2' 3 5'-Tetrachlorobiphenyl (BZ 44)	NELAP	PA	8/26/2006
EPA 8082	2 2' 4 4' 5 5'-Hexachlorobiphenyl (BZ 153)	NELAP	PA	8/26/2006
EPA 8082	2 2' 4 5 5'-Pentachlorobiphenyl (BZ 101)	NELAP	PA	8/26/2006
EPA 8082	2 2' 5 5'-Tetrachlorobiphenyl (BZ 52)	NELAP	PA	8/26/2006
EPA 8082	2 2' 5-Trichlorobiphenyl (BZ 18)	NELAP	PA	8/26/2006
EPA 8082	2 3 3' 4' 6-Pentachlorobiphenyl (BZ 110)	NELAP	PA	8/26/2006
EPA 8082	2 3' 4 4'-Tetrachlorobiphenyl (BZ 66)	NELAP	PA	8/26/2006
EPA 8082	2 3-Dichlorobiphenyl (BZ 5)	NELAP	PA	8/26/2006
EPA 8082	2 4' 5-Trichlorobiphenyl (BZ 31)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,5'-Pentachlorobiphenyl (BZ 87)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,5,5'-Hexachlorobiphenyl (BZ 141)	NELAP	PA	8/26/2006
EPA 8082	2-Chlorobiphenyl (BZ 1)	NELAP	PA	8/26/2006
EPA 8082	Aroclor-1016 (PCB-1016)	NELAP	PA	8/26/2006
EPA 8082	Aroclor-1221 (PCB-1221)	NELAP	PA	8/26/2006
EPA 8082	Aroclor-1232 (PCB-1232)	NELAP	PA	8/26/2006
EPA 8082	Aroclor-1242 (PCB-1242)	NELAP	PA	8/26/2006
EPA 8082	Aroclor-1248 (PCB-1248)	NELAP	PA	8/26/2006
EPA 8082	Aroclor-1254 (PCB-1254)	NELAP	PA	8/26/2006
EPA 8082	Aroclor-1260 (PCB-1260)	NELAP	PA	8/26/2006
EPA 8082	PCBs as congeners	NELAP	PA	8/26/2006
EPA 8082	Total Arochlors	NELAP	PA	4/8/2009
EPA 8082	PCBs by GC	NELAP	PA	4/8/2009
EPA 8082-Extended	2 2' 3 4 6'-Pentachlorobiphenyl (BZ 89)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4 6-Pentachlorobiphenyl (BZ 88)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4' 6 6'-Hexachlorobiphenyl (BZ 150)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4' 6'-Pentachlorobiphenyl (BZ 98)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4' 6-Pentachlorobiphenyl (BZ 91)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4'-Tetrachlorobiphenyl (BZ 42)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4-Tetrachlorobiphenyl (BZ 41)	NELAP	PA	4/13/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	2 2' 3 5 5'-Pentachlorobiphenyl (BZ 92)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5 6 6'-Hexachlorobiphenyl (BZ 152)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5 6'-Pentachlorobiphenyl (BZ 94)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5 6-Pentachlorobiphenyl (BZ 93)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5' 6-Pentachlorobiphenyl (BZ 95)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5-Tetrachlorobiphenyl (BZ 43)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 6 6'-Pentachlorobiphenyl (BZ 96)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 6'-Tetrachlorobiphenyl (BZ 46)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 6-Tetrachlorobiphenyl (BZ 45)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3-Trichlorobiphenyl (BZ 16)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4' 5 6'-Hexachlorobiphenyl (BZ 154)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4' 5-Pentachlorobiphenyl (BZ 99)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4' 6 6'-Hexachlorobiphenyl (BZ 155)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4' 6-Pentachlorobiphenyl (BZ 100)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4'-Tetrachlorobiphenyl (BZ 47)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 5 6'-Pentachlorobiphenyl (BZ 102)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 5' 6-Pentachlorobiphenyl (BZ 103)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 5'-Tetrachlorobiphenyl (BZ 49)	NELAP	PA	8/26/2006
EPA 8082-Extended	2 2' 4 5-Tetrachlorobiphenyl (BZ 48)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 6 6'-Pentachlorobiphenyl (BZ 104)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 6'-Tetrachlorobiphenyl (BZ 51)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 6-Tetrachlorobiphenyl (BZ 50)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4-Trichlorobiphenyl (BZ 17)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 5 6'-Tetrachlorobiphenyl (BZ 53)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 6 6'-Tetrachlorobiphenyl (BZ 54)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 6-Trichlorobiphenyl (BZ 19)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2'-Dichlorobiphenyl (BZ 4)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5 5' 6-Octachlorobiphenyl (BZ 205)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5 5'-Heptachlorobiphenyl (BZ 189)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5 6-Heptachlorobiphenyl (BZ 190)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5' 6-Heptachlorobiphenyl (BZ 191)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5'-Hexachlorobiphenyl (BZ 157)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5-Hexachlorobiphenyl (BZ 156)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 6-Hexachlorobiphenyl (BZ 158)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4'-Pentachlorobiphenyl (BZ 105)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 5 5' 6-Heptachlorobiphenyl (BZ 192)	NELAP	PA	4/13/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	2 3 3' 4 5 5'-Hexachlorobiphenyl (BZ 159)	NELAP	PA'	4/13/2009
EPA 8082-Extended	2 3 3' 4 5 6-Hexachlorobiphenyl (BZ 160)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 5' 6-Hexachlorobiphenyl (BZ 161)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 5'-Pentachlorobiphenyl (BZ 108)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 5-Pentachlorobiphenyl (BZ 106)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 6-Pentachlorobiphenyl (BZ 109)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5 5' 6-Heptachlorobiphenyl (BZ 193)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5 5'-Hexachlorobiphenyl (BZ 162)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5 6-Hexachlorobiphenyl (BZ 163)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5'-Pentachlorobiphenyl (BZ 122)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5-Pentachlorobiphenyl (BZ 107)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4'-Tetrachlorobiphenyl (BZ 56)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4-Tetrachlorobiphenyl (BZ 55)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5 5' 6-Hexachlorobiphenyl (BZ 165)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5 5'-Pentachlorobiphenyl (BZ 111)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5 6-Pentachlorobiphenyl (BZ 112)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5' 6-Pentachlorobiphenyl (BZ 113)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5'-Tetrachlorobiphenyl (BZ 58)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5-Tetrachlorobiphenyl (BZ 57)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 6-Tetrachlorobiphenyl (BZ 59)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3'-Trichlorobiphenyl (BZ 20)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 4' 5 6-Hexachlorobiphenyl (BZ 166)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 4' 5-Pentachlorobiphenyl (BZ 114)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 4' 6-Pentachlorobiphenyl (BZ 115)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 4'-Tetrachlorobiphenyl (BZ 60)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 5 6-Pentachlorobiphenyl (BZ 116)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 5-Tetrachlorobiphenyl (BZ 61)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 6-Tetrachlorobiphenyl (BZ 62)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4' 5 6-Pentachlorobiphenyl (BZ 117)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4' 5-Tetrachlorobiphenyl (BZ 63)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4' 6-Tetrachlorobiphenyl (BZ 64)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4'-Trichlorobiphenyl (BZ 22)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4-Trichlorobiphenyl (BZ 21)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 5 6-Tetrachlorobiphenyl (BZ 65)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 5-Trichlorobiphenyl (BZ 23)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 6-Trichlorobiphenyl (BZ 24)	NELAP	PA	4/13/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	2 3' 4 4' 5 5'-Hexachlorobiphenyl (BZ 167)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 4' 5' 6-Hexachlorobiphenyl (BZ 168)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 4' 5'-Pentachlorobiphenyl (BZ 123)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 4' 5-Pentachlorobiphenyl (BZ 118)	NELAP	PA	8/26/2006
EPA 8082-Extended	2 3' 4 4' 6-Pentachlorobiphenyl (BZ 119)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 5 5'-Pentachlorobiphenyl (BZ 120)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 5' 6-Pentachlorobiphenyl (BZ 121)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 5'-Tetrachlorobiphenyl (BZ 68)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 5-Tetrachlorobiphenyl (BZ 67)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 6-Tetrachlorobiphenyl (BZ 69)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 5 5'-Pentachlorobiphenyl (BZ 124)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 5' 6-Pentachlorobiphenyl (BZ 125)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 5'-Tetrachlorobiphenyl (BZ 76)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 5-Tetrachlorobiphenyl (BZ 70)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 6-Tetrachlorobiphenyl (BZ 71)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4'-Trichlorobiphenyl (BZ 33)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4-Trichlorobiphenyl (BZ 25)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 5 5'-Tetrachlorobiphenyl (BZ 72)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 5' 6-Tetrachlorobiphenyl (BZ 73)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 5'-Trichlorobiphenyl (BZ 34)	NELAP	PA	8/26/2006
EPA 8082-Extended	2 3' 5-Trichlorobiphenyl (BZ 26)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 6-Trichlorobiphenyl (BZ 27)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3'-Dichlorobiphenyl (BZ 6)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 4' 5-Tetrachlorobiphenyl (BZ 74)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 4' 6-Tetrachlorobiphenyl (BZ 75)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 4'-Trichlorobiphenyl (BZ 28)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 5-Trichlorobiphenyl (BZ 29)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 6-Trichlorobiphenyl (BZ 30)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4' 6-Trichlorobiphenyl (BZ 32)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4'-Dichlorobiphenyl (BZ 8)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4-Dichlorobiphenyl (BZ 7)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 5-Dichlorobiphenyl (BZ 9)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 6-Dichlorobiphenyl (BZ 10)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (BZ 209)	NELAP	PA	8/26/2006
EPA 8082-Extended	2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ 194)	NELAP	PA	8/26/2006
EPA 8082-Extended	2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ 196)	NELAP	PA	4/13/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ 207)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4',6,6'-Octachlorobiphenyl (BZ 197)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4',6-Heptachlorobiphenyl (BZ 171)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ 128)	NELAP	PA	8/26/2006
EPA 8082-Extended	2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ 177)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ 201)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ 175)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5'-Hexachlorobiphenyl (BZ 130)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,5',6'-Octachlorobiphenyl (BZ 199)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (BZ 208)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,5',6-Octachlorobiphenyl (BZ 198)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ 172)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ 174)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,6,6'-Octachlorobiphenyl (BZ 200)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,6-Heptachlorobiphenyl (BZ 173)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5-Hexachlorobiphenyl (BZ 129)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,6'-Hexachlorobiphenyl (BZ 132)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ 176)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,6-Hexachlorobiphenyl (BZ 131)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4-Pentachlorobiphenyl (BZ 82)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ 202)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ 178)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,5'-Hexachlorobiphenyl (BZ 133)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,6'-Hexachlorobiphenyl (BZ 135)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ 179)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,6-Hexachlorobiphenyl (BZ 134)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5-Pentachlorobiphenyl (BZ 83)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',6,6'-Hexachlorobiphenyl (BZ 136)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',6-Pentachlorobiphenyl (BZ 84)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3'-Tetrachlorobiphenyl (BZ 40)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5',6-Hexachlorobiphenyl (BZ 149)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5'-Pentachlorobiphenyl (BZ 97)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5,5'-Hexachlorobiphenyl (BZ 146)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5,6'-Hexachlorobiphenyl (BZ 148)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5,6,6'-Heptachlorobiphenyl (BZ 188)	NELAP	PA	4/13/2009

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EPA 8082-Extended	2,2',3,4',5,6-Hexachlorobiphenyl (BZ 147)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5-Pentachlorobiphenyl (BZ 90)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ 203)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ 182)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ 204)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ 181)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5-Pentachlorobiphenyl (BZ 137)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',6-Hexachlorobiphenyl (BZ 139)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4'-Pentachlorobiphenyl (BZ 85)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5',6-Hexachlorobiphenyl (BZ 144)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5,5',6-Heptachlorobiphenyl (BZ 185)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5,6'-Hexachlorobiphenyl (BZ 143)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ 186)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5,6-Hexachlorobiphenyl (BZ 142)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5-Pentachlorobiphenyl (BZ 86)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,6,6'-Hexachlorobiphenyl (BZ 145)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 4' 5 5'-Hexachlorobiphenyl (BZ 169)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 4'-Tetrachlorobiphenyl (BZ 77)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 5 5'-Pentachlorobiphenyl (BZ 127)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 5'-Tetrachlorobiphenyl (BZ 79)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 5-Tetrachlorobiphenyl (BZ 78)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4-Trichlorobiphenyl (BZ 35)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 5 5'-Tetrachlorobiphenyl (BZ 80)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 5-Trichlorobiphenyl (BZ 36)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3'-Dichlorobiphenyl (BZ 11)	NELAP	PA	8/26/2006
EPA 8082-Extended	3 4 4' 5-Tetrachlorobiphenyl (BZ 81)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4 4'-Trichlorobiphenyl (BZ 37)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4 5-Trichlorobiphenyl (BZ 38)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4' 5-Trichlorobiphenyl (BZ 39)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4'-Dichlorobiphenyl (BZ 13)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4-Dichlorobiphenyl (BZ 12)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 5-Dichlorobiphenyl (BZ 14)	NELAP	PA	4/13/2009
EPA 8082-Extended	3-Chlorobiphenyl (BZ 2)	NELAP	PA	4/13/2009
EPA 8082-Extended	4 4'-Dichlorobiphenyl (BZ 15)	NELAP	PA	4/13/2009
EPA 8082-Extended	4-Chlorobiphenyl (BZ 3)	NELAP	PA	4/13/2009

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EPA 8082-Extended	Aroclor-1262 (PCB-1262)	NELAP	PA	4/8/2008
EPA 8082-Extended	Aroclor-1268 (PCB-1268)	NELAP	PA	4/8/2008
EPA 8082A	PCBs by GC	NELAP	PA	4/8/2009
EPA 8141	Dichlorovos (DDVP, Dichlorvos)	NELAP	PA	8/26/2006
EPA 8141	Disulfoton	NELAP	PA	8/26/2006
EPA 8141	Azinphos-methyl (Guthion)	NELAP	PA	8/26/2006
EPA 8141	Bolstar (Sulprofos)	NELAP	PA	8/26/2006
EPA 8141	Chlorpyrifos	NELAP	PA	8/26/2006
EPA 8141	Coumaphos	NELAP	PA	8/26/2006
EPA 8141	Demeton	NELAP	PA	4/8/2009
EPA 8141	Demeton-O	NELAP	PA	8/26/2006
EPA 8141	Demeton-S	NELAP	PA	8/26/2006
EPA 8141	Diazinon (Spectracide)	NELAP	PA	8/26/2006
EPA 8141	Dimethoate	NELAP	PA	8/26/2006
EPA 8141	EPN	NELAP	PA	8/26/2006
EPA 8141	Ethoprop (Prophos)	NELAP	PA	8/26/2006
EPA 8141	Famphur	NELAP	PA	8/26/2006
EPA 8141	Fensulfothion	NELAP	PA	8/26/2006
EPA 8141	Fenthion	NELAP	PA	8/26/2006
EPA 8141	Malathion	NELAP	PA	8/26/2006
EPA 8141	Methyl parathion (Parathion, methyl)	NELAP	PA	8/26/2006
EPA 8141	Mevinphos	NELAP	PA	8/26/2006
EPA 8141	Parathion, ethyl (Ethyl parathion)	NELAP	PA	8/26/2006
EPA 8141	Phorate (Thimet)	NELAP	PA	8/26/2006
EPA 8141	Ronnel	NELAP	PA	8/26/2006
EPA 8141	Stirophos (Tetrachlorovinphos)	NELAP	PA	8/26/2006
EPA 8141	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	8/26/2006
EPA 8141	Thionazine (Zinophos)	NELAP	PA	8/26/2006
EPA 8141	Tokuthion (Prothiophos)	NELAP	PA	8/26/2006
EPA 8141	Trichloronate	NELAP	PA	8/26/2006
EPA 8141-Extended	O O O-Triethyl phosphorothioate	NELAP	PA	3/1/2007
EPA 8141A	Organophosphorus Compounds by GC	NELAP	PA	4/8/2009
EPA 8141B	Organophosphorus Compounds by GC	NELAP	PA	4/8/2009
EPA 8151	Pentachlorophenol (PCP)	NELAP	PA	8/26/2006
EPA 8151	2 4 5-T	NELAP	PA	8/26/2006
EPA 8151	2 4 5-TP (Silvex)	NELAP	PA	8/26/2006

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EPA 8151	2 4-D	NELAP	PA	8/26/2006
EPA 8151	2 4-DB (Butoxon)	NELAP	PA	8/26/2006
EPA 8151	Dalapon	NELAP	PA	8/26/2006
EPA 8151	Dicamba	NELAP	PA	8/26/2006
EPA 8151	Dichloroprop (Dichlorprop)	NELAP	PA	8/26/2006
EPA 8151	Dinoseb (2-sec-butyl-4 6-dinitrophenol, DNBP)	NELAP	PA	8/26/2006
EPA 8151	MCPA	NELAP	PA	8/26/2006
EPA 8151	MCPP (Mecoprop)	NELAP	PA	8/26/2006
EPA 8151A	Chlorinated Herbicides by GC	NELAP	PA	4/8/2009
EPA 8260	Benzyl chloride	NELAP	PA	8/26/2006
EPA 8260	1,1,1,2-Tetrachloroethane	NELAP	PA	4/18/2006
EPA 8260	1,1,1-Trichloroethane	NELAP	PA	8/26/2006
EPA 8260	1,1,2,2-Tetrachloroethane	NELAP	PA	8/26/2006
EPA 8260	1,1,2-Trichloroethane	NELAP	PA	8/26/2006
EPA 8260	1,1-Dichloroethane	NELAP	PA	8/26/2006
EPA 8260	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	8/26/2006
EPA 8260	1,1-Dichloropropene	NELAP	PA	8/26/2006
EPA 8260	1,2,3-Trichlorobenzene	NELAP	PA	8/26/2006
EPA 8260	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	8/26/2006
EPA 8260	1,2,4-Trichlorobenzene	NELAP	PA	8/26/2006
EPA 8260	1,2,4-Trimethylbenzene	NELAP	PA	8/26/2006
EPA 8260	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	4/18/2006
EPA 8260	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	8/26/2006
EPA 8260	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	8/26/2006
EPA 8260	1,2-Dichloroethane	NELAP	PA	8/26/2006
EPA 8260	1,2-Dichloropropane	NELAP	PA	8/26/2006
EPA 8260	1,3,5-Trimethylbenzene	NELAP	PA	8/26/2006
EPA 8260	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	8/26/2006
EPA 8260	1,3-Dichloropropane	NELAP	PA	8/26/2006
EPA 8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	8/26/2006
EPA 8260	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	8/26/2006
EPA 8260	2 2-Dichloropropane	NELAP	PA	8/26/2006
EPA 8260	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	4/18/2006
EPA 8260	2-Chloroethyl vinyl ether	NELAP	PA	8/26/2006
EPA 8260	2-Chlorotoluene	NELAP	PA	8/26/2006
EPA 8260	2-Hexanone	NELAP	PA	1/6/2006

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8260	2-Nitropropane	NELAP	PA	8/26/2006
EPA 8260	2-Pentanone	NELAP	PA	8/26/2006
EPA 8260	4-Chlorotoluene	NELAP	PA	8/26/2006
EPA 8260	4-Isopropyltoluene (p-Isopropyltoluene)	NELAP	PA	8/26/2006
EPA 8260	4-Methyl-2-pentanone (MIBK)	NELAP	PA	1/6/2006
EPA 8260	Acetone	NELAP	PA	1/6/2006
EPA 8260	Acetonitrile	NELAP	PA	8/26/2006
EPA 8260	Acrolein (Propenal)	NELAP	PA	8/26/2006
EPA 8260	Acrylonitrile	NELAP	PA	8/26/2006
EPA 8260	Allyl chloride (3-Chloropropene)	NELAP	PA	8/26/2006
EPA 8260	Benzene	NELAP	PA	8/26/2006
EPA 8260	Bromoacetone	NELAP	PA	8/26/2006
EPA 8260	Bromobenzene	NELAP	PA	8/26/2006
EPA 8260	Bromochloromethane	NELAP	PA	8/26/2006
EPA 8260	Bromodichloromethane	NELAP	PA	8/26/2006
EPA 8260	Bromoform	NELAP	PA	8/26/2006
EPA 8260	Carbon disulfide	NELAP	PA	1/6/2006
EPA 8260	Carbon tetrachloride	NELAP	PA	8/26/2006
EPA 8260	Chlorobenzene	NELAP	PA	8/26/2006
EPA 8260	Chloroethane	NELAP	PA	8/26/2006
EPA 8260	Chloroform	NELAP	PA	8/26/2006
EPA 8260	Chloroprene (2-Chloro-1 3-butadiene)	NELAP	PA	8/26/2006
EPA 8260	Dibromochloromethane	NELAP	PA	8/26/2006
EPA 8260	Dibromofluoromethane	NELAP	PA	8/26/2006
EPA 8260	Dibromomethane	NELAP	PA	4/18/2006
EPA 8260	Dichlorodifluoromethane (Freon 12)	NELAP	PA	8/26/2006
EPA 8260	Diethyl ether	NELAP	PA	8/26/2006
EPA 8260	Epichlorohydrin (1-Chloro-2 3-epoxypropane)	NELAP	PA	8/26/2006
EPA 8260	Ethanol	NELAP	PA	8/26/2006
EPA 8260	Ethyl acetate	NELAP	PA	8/26/2006
EPA 8260	Ethyl methacrylate	NELAP	PA	4/18/2006
EPA 8260	Ethylbenzene	NELAP	PA	8/26/2006
EPA 8260	Ethylene oxide	NELAP	PA	8/26/2006
EPA 8260	Hexachlorobutadiene	NELAP	PA	8/26/2006
EPA 8260	Hexachloroethane	NELAP	PA	8/26/2006
EPA 8260	Iodomethane (Methyl iodide)	NELAP	PA	8/26/2006

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EPA 8260	Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	8/26/2006
EPA 8260	Isopropylbenzene	NELAP	PA	8/26/2006
EPA 8260	Methacrylonitrile	NELAP	PA	8/26/2006
EPA 8260	Methanol	NELAP	PA	8/26/2006
EPA 8260	Methyl bromide (Bromomethane)	NELAP	PA	8/26/2006
EPA 8260	Methyl chloride (Chloromethane)	NELAP	PA	8/26/2006
EPA 8260	Methyl tert-butyl ether (MTBE)	NELAP	PA	8/26/2006
EPA 8260	Methylene chloride (Dichloromethane)	NELAP	PA	8/26/2006
EPA 8260	Methylmethacrylate	NELAP	PA	4/18/2006
EPA 8260	Naphthalene	NELAP	PA	8/26/2006
EPA 8260	Propionitrile (Ethyl cyanide)	NELAP	PA	4/18/2006
EPA 8260	Styrene	NELAP	PA	1/6/2006
EPA 8260	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	8/26/2006
EPA 8260	Toluene	NELAP	PA	8/26/2006
EPA 8260	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	8/26/2006
EPA 8260	Trichlorofluoromethane (Freon 11)	NELAP	PA	8/26/2006
EPA 8260	Vinyl acetate	NELAP	PA	1/6/2006
EPA 8260	Vinyl chloride	NELAP	PA	8/26/2006
EPA 8260	Xylenes, total	NELAP	PA	3/30/2006
EPA 8260	cis-1 2-Dichloroethene	NELAP	PA	8/26/2006
EPA 8260	cis-1 3-Dichloropropene	NELAP	PA	8/26/2006
EPA 8260	m+p-Xylene	NELAP	PA	8/24/2005
EPA 8260	m-Xylene	NELAP	PA	8/26/2006
EPA 8260	n-Butyl alcohol (1-Butanol)	NELAP	PA	4/8/2009
EPA 8260	n-Butylbenzene	NELAP	PA	8/26/2006
EPA 8260	n-Propylbenzene	NELAP	PA	8/26/2006
EPA 8260	o-Xylene	NELAP	PA	8/24/2005
EPA 8260	p-Xylene	NELAP	PA	8/26/2006
EPA 8260	sec-Butylbenzene	NELAP	PA	8/26/2006
EPA 8260	tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	4/8/2008
EPA 8260	tert-Butylbenzene	NELAP	PA	8/26/2006
EPA 8260	trans-1 2-Dichloroethene	NELAP	PA	8/26/2006
EPA 8260	trans-1 3-Dichloropropene	NELAP	PA	8/26/2006
EPA 8260	trans-1 4-Dichloro-2-butene	NELAP	PA	8/26/2006
EPA 8260-Extended	bis(2-Chloroethyl) ether	NELAP	PA	12/5/2007
EPA 8260-Extended	1,2-Epoxybutane	NELAP	PA	12/5/2007

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8260-Extended	1 3 5-Trichlorobenzene	NELAP	PA	4/8/2009
EPA 8260-Extended	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	4/18/2006
EPA 8260-Extended	1,2-Dichloroethene (total)	NELAP	PA	3/1/2007
EPA 8260-Extended	1,3-Butadiene (Divinyl)	NELAP	PA	12/5/2007
EPA 8260-Extended	2 2 4-Trimethylpentane	NELAP	PA	12/5/2007
EPA 8260-Extended	2 3 6-Trichlorotoluene	NELAP	PA	4/8/2009
EPA 8260-Extended	2 3-Dichlorotoluene	NELAP	PA	4/8/2009
EPA 8260-Extended	2 4 5-Trichlorotoluene	NELAP	PA	4/8/2009
EPA 8260-Extended	2 4-Dichlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 8260-Extended	2 4-Dichlorotoluene	NELAP	PA	4/8/2009
EPA 8260-Extended	2 5-Dichlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 8260-Extended	2 5-Dichlorotoluene	NELAP	PA	4/8/2009
EPA 8260-Extended	2 6-Dichlorotoluene	NELAP	PA	4/8/2009
EPA 8260-Extended	2-Chlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 8260-Extended	3 4-Dichlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 8260-Extended	3-Chlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 8260-Extended	4-Chlorobenzotrifluoride	NELAP	PA	4/8/2009
EPA 8260-Extended	Cyclohexane	NELAP	PA	4/18/2006
EPA 8260-Extended	Cyclohexanol	NELAP	PA	4/8/2009
EPA 8260-Extended	Dichloroethyl ether	NELAP	PA	4/8/2009
EPA 8260-Extended	Dichlorofluoromethane (Freon 21)	NELAP	PA	4/8/2009
EPA 8260-Extended	Ethyl acrylate	NELAP	PA	12/5/2007
EPA 8260-Extended	Heptane	NELAP	PA	4/18/2006
EPA 8260-Extended	Hexane	NELAP	PA	12/5/2007
EPA 8260-Extended	Isopropyl alcohol (2-Propanol)	NELAP	PA	8/26/2006
EPA 8260-Extended	Methyl acetate	NELAP	PA	4/18/2006
EPA 8260-Extended	Methyl isobutyl ketone (MIBK, 4-Methyl-2-pentanone)	NELAP	PA	8/26/2006
EPA 8260-Extended	Methylcyclohexane	NELAP	PA	4/18/2006
EPA 8260-Extended	Vinyl bromide (Bromoethene)	NELAP	PA	12/5/2007
EPA 8260-Extended	tert-Amyl methyl ether (TAME)	NELAP	PA	4/8/2009
EPA 8260-Extended	3 4-Dichlorotoluene	NELAP	PA	4/8/2009
EPA 8260B	VOCs by GC/MS	NELAP	PA	4/8/2009
EPA 8270	1,2,4,5-Tetrachlorobenzene	NELAP	PA	8/26/2006
EPA 8270	1,2-Dinitrobenzene (1,2-DNB)	NELAP	PA	8/26/2006
EPA 8270	1,2-Diphenylhydrazine	NELAP	PA	4/18/2006
EPA 8270	1,3,5-Trinitrobenzene (1,3,5-TNB)	NELAP	PA	8/26/2006

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EPA 8270	1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	8/26/2006
EPA 8270	1,4-Naphthoquinone	NELAP	PA	8/26/2006
EPA 8270	1,4-Phenylenediamine	NELAP	PA	8/26/2006
EPA 8270	1-Chloronaphthalene	NELAP	PA	8/26/2006
EPA 8270	1-Naphthylamine (alpha-Naphthylamine)	NELAP	PA	8/26/2006
EPA 8270	2 3 4 6-Tetrachlorophenol	NELAP	PA	4/18/2006
EPA 8270	2 4 5-Trichlorophenol	NELAP	PA	8/26/2006
EPA 8270	2 4 6-Trichlorophenol	NELAP	PA	8/26/2006
EPA 8270	2 4-Dichlorophenol	NELAP	PA	8/26/2006
EPA 8270	2 4-Dimethylphenol	NELAP	PA	8/26/2006
EPA 8270	2 4-Dinitrophenol	NELAP	PA	8/26/2006
EPA 8270	2 4-Dinitrotoluene (2 4-DNT)	NELAP	PA	8/26/2006
EPA 8270	2 6-Dichlorophenol	NELAP	PA	4/18/2006
EPA 8270	2 6-Dinitrotoluene (2 6-DNT)	NELAP	PA	8/26/2006
EPA 8270	2-Acetylaminofluorene	NELAP	PA	8/26/2006
EPA 8270	2-Chloronaphthalene	NELAP	PA	8/26/2006
EPA 8270	2-Chlorophenol	NELAP	PA	8/26/2006
EPA 8270	2-Cyclohexyl-4 6-dinitrophenol	NELAP	PA	8/26/2006
EPA 8270	2-Methyl-4 6-dinitrophenol (4 6-Dinitro-2-methylphenol)	NELAP	PA	4/18/2006
EPA 8270	2-Methylnaphthalene	NELAP	PA	8/26/2006
EPA 8270	2-Methylphenol (o-Cresol)	NELAP	PA	1/6/2006
EPA 8270	2-Naphthylamine (beta-Naphthylamine)	NELAP	PA	8/26/2006
EPA 8270	2-Nitroaniline	NELAP	PA	1/6/2006
EPA 8270	2-Nitrophenol	NELAP	PA	8/26/2006
EPA 8270	3 3'-Dichlorobenzidine	NELAP	PA	8/26/2006
EPA 8270	3 3'-Dimethylbenzidine	NELAP	PA	4/18/2006
EPA 8270	3+4-Methylphenol (m+p-Cresol)	NELAP	PA	3/1/2007
EPA 8270	3-Amino-9-ethylcarbazole	NELAP	PA	8/26/2006
EPA 8270	3-Methylcholanthrene	NELAP	PA	8/26/2006
EPA 8270	3-Methylphenol (m-Cresol)	NELAP	PA	4/18/2006
EPA 8270	3-Nitroaniline	NELAP	PA	4/18/2006
EPA 8270	4 4'-Methylenebis(2-chloroaniline)	NELAP	PA	4/18/2006
EPA 8270	4 4'-Methylenebis(N N-dimethylaniline)	NELAP	PA	8/26/2006
EPA 8270	4-Aminobiphenyl	NELAP	PA	8/26/2006
EPA 8270	4-Bromophenyl phenyl ether	NELAP	PA	8/26/2006
EPA 8270	4-Chloro-3-methylphenol	NELAP	PA	8/26/2006

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EPA 8270	4-Chloroaniline	NELAP	PA	1/6/2006
EPA 8270	4-Chlorophenyl phenyl ether	NELAP	PA	8/26/2006
EPA 8270	4-Dimethyl aminoazobenzene	NELAP	PA	8/26/2006
EPA 8270	4-Methylphenol (p-Cresol)	NELAP	PA	1/6/2006
EPA 8270	4-Nitroaniline	NELAP	PA	4/18/2006
EPA 8270	4-Nitrobiphenyl	NELAP	PA	8/26/2006
EPA 8270	4-Nitrophenol	NELAP	PA	8/26/2006
EPA 8270	4-Nitroquinoline-1-oxide	NELAP	PA	4/18/2006
EPA 8270	5-Nitro-o-toluidine	NELAP	PA	8/26/2006
EPA 8270	7 12-Dimethylbenz(a)anthracene	NELAP	PA	8/26/2006
EPA 8270	Acenaphthene	NELAP	PA	8/26/2006
EPA 8270	Acenaphthylene	NELAP	PA	8/26/2006
EPA 8270	Acetophenone	NELAP	PA	8/26/2006
EPA 8270	Aminoazobenzene	NELAP	PA	8/26/2006
EPA 8270	Aniline	NELAP	PA	8/26/2006
EPA 8270	Anthracene	NELAP	PA	8/26/2006
EPA 8270	Aramite	NELAP	PA	4/18/2006
EPA 8270	Benzidine	NELAP	PA	8/26/2006
EPA 8270	Benzo(a)anthracene	NELAP	PA	8/26/2006
EPA 8270	Benzo(a)pyrene	NELAP	PA	8/26/2006
EPA 8270	Benzo(b)fluoranthene	NELAP	PA	8/26/2006
EPA 8270	Benzo(g h i)perylene	NELAP	PA	8/26/2006
EPA 8270	Benzo(k)fluoranthene	NELAP	PA	8/26/2006
EPA 8270	Benzoic acid	NELAP	PA	8/26/2006
EPA 8270	Benzyl alcohol	NELAP	PA	8/26/2006
EPA 8270	Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	8/26/2006
EPA 8270	Carbazole	NELAP	PA	1/6/2006
EPA 8270	Chrysene	NELAP	PA	8/26/2006
EPA 8270	Cresols (total)	NELAP	PA	4/18/2006
EPA 8270	Di-n-butyl phthalate	NELAP	PA	8/26/2006
EPA 8270	Di-n-octyl phthalate	NELAP	PA	8/26/2006
EPA 8270	Dibenzo(a h)anthracene	NELAP	PA	8/26/2006
EPA 8270	Dibenzofuran	NELAP	PA	1/6/2006
EPA 8270	Diethyl phthalate	NELAP	PA	8/26/2006
EPA 8270	Dimethyl phthalate	NELAP	PA	8/26/2006
EPA 8270	Diphenylamine	NELAP	PA	8/26/2006

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8270	Ethyl methanesulfonate	NELAP	PA	8/26/2006
EPA 8270	Fluoranthene	NELAP	PA	8/26/2006
EPA 8270	Fluorene	NELAP	PA	8/26/2006
EPA 8270	Hexachlorobenzene	NELAP	PA	8/26/2006
EPA 8270	Hexachlorocyclopentadiene	NELAP	PA	8/26/2006
EPA 8270	Hexachlorophene	NELAP	PA	8/26/2006
EPA 8270	Hexachloropropene	NELAP	PA	4/18/2006
EPA 8270	Indeno(1 2 3-cd)pyrene	NELAP	PA	8/26/2006
EPA 8270	Isophorone	NELAP	PA	8/26/2006
EPA 8270	Isosafrole	NELAP	PA	8/26/2006
EPA 8270	Methapyrilene	NELAP	PA	8/26/2006
EPA 8270	Methyl methanesulfonate	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosodi-n-propylamine	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosodiethylamine	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosodimethylamine	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosodiphenylamine	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosomethylethylamine	NELAP	PA	4/18/2006
EPA 8270	N-Nitrosomorpholine	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosopiperidine	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosopyrrolidine	NELAP	PA	8/26/2006
EPA 8270	Nitroquinoline-1-oxide	NELAP	PA	8/26/2006
EPA 8270	Pentachlorobenzene	NELAP	PA	4/18/2006
EPA 8270	Pentachloronitrobenzene (PCNB)	NELAP	PA	4/18/2006
EPA 8270	Pentachlorophenol (PCP)	NELAP	PA	8/26/2006
EPA 8270	Phenacetin	NELAP	PA	8/26/2006
EPA 8270	Phenanthrene	NELAP	PA	8/26/2006
EPA 8270	Phenol	NELAP	PA	8/26/2006
EPA 8270	Pronamide (Kerb)	NELAP	PA	4/18/2006
EPA 8270	Pyrene	NELAP	PA	8/26/2006
EPA 8270	Safrole	NELAP	PA	8/26/2006
EPA 8270	Thiophenol (Benzenethiol)	NELAP	PA	8/26/2006
EPA 8270	a-a-Dimethylphenethylamine	NELAP	PA	4/18/2006
EPA 8270	bis(2-Chloroethoxy)methane	NELAP	PA	8/26/2006
EPA 8270	bis(2-Chloroethyl) ether	NELAP	PA	8/26/2006
EPA 8270	bis(2-Chloroisopropyl) ether	NELAP	PA	8/26/2006
EPA 8270	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	8/26/2006

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8270	Dinoseb (2-sec-butyl-4 6-dinitrophenol, DNBP)	NELAP	PA	8/26/2006
EPA 8270	Disulfoton	NELAP	PA	8/26/2006
EPA 8270	Azinphos-methyl (Guthion)	NELAP	PA	8/26/2006
EPA 8270	Carbaryl (Sevin)	NELAP	PA	12/5/2007
EPA 8270	Chlorobenzilate	NELAP	PA	4/18/2006
EPA 8270	Diallate (cis or trans)	NELAP	PA	4/18/2006
EPA 8270	Dimethoate	NELAP	PA	8/26/2006
EPA 8270	Famphur	NELAP	PA	8/26/2006
EPA 8270	Isodrin	NELAP	PA	8/26/2006
EPA 8270	Kepone	NELAP	PA	4/18/2006
EPA 8270	Malathion	NELAP	PA	8/26/2006
EPA 8270	Methyl parathion (Parathion, methyl)	NELAP	PA	4/18/2006
EPA 8270	O O O-Triethyl phosphorothioate	NELAP	PA	8/26/2006
EPA 8270	Parathion, ethyl (Ethyl parathion)	NELAP	PA	4/18/2006
EPA 8270	Phorate (Thimet)	NELAP	PA	8/26/2006
EPA 8270	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	8/26/2006
EPA 8270	Thionazine (Zinophos)	NELAP	PA	8/26/2006
EPA 8270	1,2,4-Trichlorobenzene	NELAP	PA	8/26/2006
EPA 8270	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	8/26/2006
EPA 8270	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	8/26/2006
EPA 8270	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	8/26/2006
EPA 8270	2-Picoline (2-Methylpyridine)	NELAP	PA	4/18/2006
EPA 8270	Hexachlorobutadiene	NELAP	PA	8/26/2006
EPA 8270	Hexachloroethane	NELAP	PA	8/26/2006
EPA 8270	N-Nitroso-di-n-butylamine	NELAP	PA	4/18/2006
EPA 8270	Naphthalene	NELAP	PA	8/26/2006
EPA 8270	Nitrobenzene	NELAP	PA	8/26/2006
EPA 8270	Pyridine	NELAP	PA	4/18/2006
EPA 8270	o-Toluidine	NELAP	PA	4/18/2006
EPA 8270 SIM	2 4-Dichlorophenol	NELAP	PA	4/8/2008
EPA 8270 SIM	2-Chloronaphthalene	NELAP	PA	4/8/2008
EPA 8270 SIM	2-Methylnaphthalene	NELAP	PA	4/8/2008
EPA 8270 SIM	3 3'-Dichlorobenzidine	NELAP	PA	4/8/2008
EPA 8270 SIM	Acenaphthene	NELAP	PA	4/8/2008
EPA 8270 SIM	Acenaphthylene	NELAP	PA	4/8/2008
EPA 8270 SIM	Anthracene	NELAP	PA	4/8/2008

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EPA 8270 SIM	Benzo(a)anthracene	NELAP	PA	4/8/2008
EPA 8270 SIM	Benzo(a)pyrene	NELAP	PA	4/8/2008
EPA 8270 SIM	Benzo(b)fluoranthene	NELAP	PA	4/8/2008
EPA 8270 SIM	Benzo(g h i)perylene	NELAP	PA	4/8/2008
EPA 8270 SIM	Benzo(k)fluoranthene	NELAP	PA	4/8/2008
EPA 8270 SIM	Carbazole	NELAP	PA	4/8/2008
EPA 8270 SIM	Chrysene	NELAP	PA	4/8/2008
EPA 8270 SIM	Dibenzo(a h)anthracene	NELAP	PA	4/8/2008
EPA 8270 SIM	Fluoranthene	NELAP	PA	4/8/2008
EPA 8270 SIM	Fluorene	NELAP	PA	4/8/2008
EPA 8270 SIM	Hexachlorobenzene	NELAP	PA	4/8/2008
EPA 8270 SIM	Indeno(1 2 3-cd)pyrene	NELAP	PA	4/8/2008
EPA 8270 SIM	N-Nitrosodi-n-propylamine	NELAP	PA	4/8/2008
EPA 8270 SIM	Pentachlorophenol (PCP)	NELAP	PA	4/8/2008
EPA 8270 SIM	Phenanthrene	NELAP	PA	4/8/2008
EPA 8270 SIM	Phenol	NELAP	PA	4/8/2008
EPA 8270 SIM	Pyrene	NELAP	PA	4/8/2008
EPA 8270 SIM	bis(2-Chloroethyl) ether	NELAP	PA	4/8/2008
EPA 8270 SIM	bis(2-Chloroisopropyl) ether	NELAP	PA	4/8/2008
EPA 8270 SIM	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	4/8/2008
EPA 8270 SIM	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	4/8/2008
EPA 8270 SIM	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	4/8/2008
EPA 8270 SIM	Hexachlorobutadiene	NELAP	PA	4/8/2008
EPA 8270 SIM	Naphthalene	NELAP	PA	4/8/2008
EPA 8270 SIM	Nitrobenzene	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	1,4-Oxathiane	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	1-Methylnaphthalene	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	2 2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	4/8/2009
EPA 8270 SIM-Extended	Benzothiazole	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	Dimethyl disulfide	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	p-Chlorophenylmethylsulfide	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	p-Chlorophenylmethylsulfone	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	p-Chlorophenylmethylsulfoxide	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	1,4-Dithiane (Diethylene disulfide)	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	4/8/2009
EPA 8270-Extended	1,2,3,4-Tetrachlorobenzene	NELAP	PA	8/26/2006

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8270-Extended	1,2,3,5-Tetrachlorobenzene	NELAP	PA	8/26/2006
EPA 8270-Extended	1,3,5-Trichlorobenzene	NELAP	PA	8/26/2006
EPA 8270-Extended	1,4-Phenylenediamine	NELAP	PA	12/5/2007
EPA 8270-Extended	1-Methylnaphthalene	NELAP	PA	4/8/2009
EPA 8270-Extended	2 2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	4/18/2006
EPA 8270-Extended	2 3 5 6-Tetrachlorophenol	NELAP	PA	8/26/2006
EPA 8270-Extended	2 3-Dichlorophenol (Dichlorophenol)	NELAP	PA	12/5/2007
EPA 8270-Extended	2 5-Dichlorophenol	NELAP	PA	12/5/2007
EPA 8270-Extended	2,4,6-Tribromophenol	NELAP	PA	4/8/2009
EPA 8270-Extended	2-Phenylphenol	NELAP	PA	4/8/2009
EPA 8270-Extended	4-Chlorophenol	NELAP	PA	8/26/2006
EPA 8270-Extended	6-Methylchrysene	NELAP	PA	12/5/2007
EPA 8270-Extended	Benzaldehyde	NELAP	PA	8/26/2006
EPA 8270-Extended	Di-n-propyl phthalate	NELAP	PA	8/26/2006
EPA 8270-Extended	Diallate-A	NELAP	PA	4/8/2009
EPA 8270-Extended	Indene	NELAP	PA	4/8/2009
EPA 8270-Extended	Octachlorocyclopentene (Perchlorocyclopentene)	NELAP	PA	12/5/2007
EPA 8270-Extended	Octachlorostyrene	NELAP	PA	12/5/2007
EPA 8270-Extended	alpha-Terpineol	NELAP	PA	4/8/2009
EPA 8270-Extended	bis(2-Hydroxyphenyl) methane (2 2'-Methylenediphenol)	NELAP	PA	12/5/2007
EPA 8270-Extended	bis(4-Hydroxyphenyl) methane	NELAP	PA	12/5/2007
EPA 8270-Extended	n-Octadecane	NELAP	PA	4/8/2009
EPA 8270-Extended	p-(Dimethylamino)azobenzene	NELAP	PA	4/8/2009
EPA 8270-Extended	p-Phenylenediamine	NELAP	PA	4/8/2009
EPA 8270-Extended	2 3 7 8-TCDD (Dioxin) (screen)	NELAP	PA	8/26/2006
EPA 8270-Extended	3-Nitrotoluene	NELAP	PA	8/26/2006
EPA 8270-Extended	4-Nitrotoluene	NELAP	PA	8/26/2006
EPA 8270-Extended	Dibenz(a h)acridine	NELAP	PA	12/5/2007
EPA 8270-Extended	1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	4/18/2006
EPA 8270-Extended	Atrazine	NELAP	PA	4/18/2006
EPA 8270-Extended	Caprolactam	NELAP	PA	4/18/2006
EPA 8270-Extended	Diallate-B	NELAP	PA	4/8/2009
EPA 8270-Extended	p-Chlorobenzilate (Ethyl 4 4'-dichlorobenzilate)	NELAP	PA	12/5/2007
EPA 8270-Extended	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	4/18/2006
EPA 8270-Extended	Pentachloroethane	NELAP	PA	8/26/2006

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8270C	SOCs by GC/MS	NELAP	PA	4/8/2009
EPA 8270D	SOCs by GC/MS	NELAP	PA	4/8/2009
EPA 8310	Acenaphthene	NELAP	PA	8/26/2006
EPA 8310	Acenaphthylene	NELAP	PA	8/26/2006
EPA 8310	Anthracene	NELAP	PA	8/26/2006
EPA 8310	Benzo(a)anthracene	NELAP	PA	8/26/2006
EPA 8310	Benzo(a)pyrene	NELAP	PA	8/26/2006
EPA 8310	Benzo(b)fluoranthene	NELAP	PA	8/26/2006
EPA 8310	Benzo(g h i)perylene	NELAP	PA	8/26/2006
EPA 8310	Benzo(k)fluoranthene	NELAP	PA	8/26/2006
EPA 8310	Chrysene	NELAP	PA	8/26/2006
EPA 8310	Dibenzo(a h)anthracene	NELAP	PA	8/26/2006
EPA 8310	Fluoranthene	NELAP	PA	8/26/2006
EPA 8310	Fluorene	NELAP	PA	8/26/2006
EPA 8310	Indeno(1 2 3-cd)pyrene	NELAP	PA	8/26/2006
EPA 8310	Phenanthrene	NELAP	PA	8/26/2006
EPA 8310	Pyrene	NELAP	PA	8/26/2006
EPA 8310	Naphthalene	NELAP	PA	8/26/2006
EPA 8310-Extended	1-Methylnaphthalene	NELAP	PA	8/26/2006
EPA 8310-Extended	2-Methylnaphthalene	NELAP	PA	8/26/2006
EPA 8310-Extended	Carbazole	NELAP	PA	8/26/2006
EPA 8310-Extended	Resorcinol	NELAP	PA	4/8/2009
EPA 9010B	Total cyanide	NELAP	PA	12/5/2007
EPA 9010C	Total cyanide	NELAP	PA	3/16/2009
EPA 9012	Total cyanide	NELAP	PA	8/26/2006
EPA 9012A	Total cyanide	NELAP	PA	4/9/2009
EPA 9012B	Total cyanide	NELAP	PA	3/16/2009
EPA 9030B	Sulfide	NELAP	PA	8/26/2006
EPA 9034	Sulfide	NELAP	PA	8/26/2006
EPA 9040B	pH	NELAP	PA	4/18/2006
EPA 9040C	Corrosivity	NELAP	PA	8/26/2006
EPA 9050	Conductivity	NELAP	PA	8/26/2006
EPA 9050A	Conductivity	NELAP	PA	3/16/2009
EPA 9056	Anions by IC	NELAP	PA	3/16/2009
EPA 9056	Bromide	NELAP	PA	8/26/2006
EPA 9056	Chloride	NELAP	PA	8/26/2006

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 9056	Fluoride	NELAP	PA	8/26/2006
EPA 9056	Nitrate	NELAP	PA	8/26/2006
EPA 9056	Nitrite	NELAP	PA	8/26/2006
EPA 9056	Orthophosphate as P	NELAP	PA	8/26/2006
EPA 9056	Sulfate	NELAP	PA	8/26/2006
EPA 9056A	Anions by IC	NELAP	PA	3/16/2009
EPA 9060	Total organic carbon (TOC)	NELAP	PA	8/26/2006
EPA 9065	Total phenolics	NELAP	PA	4/8/2008
EPA 9066	Total phenolics	NELAP	PA	8/26/2006
EPA 9070A	Oil and Grease	NELAP	PA	4/4/2007
OIA 1677	Available (free) cyanide	NELAP	PA	8/24/2005
OTHER HACH 8000	Chemical oxygen demand (COD)	NELAP	PA	12/5/2007
SM 2120 B	Color	NELAP	PA	4/10/2007
SM 2310 B	Acidity as CaCO3	NELAP	PA	1/22/2007
SM 2320 B	Alkalinity as CaCO3	NELAP	PA	1/22/2007
SM 2340 B	Total hardness as CaCO3	NELAP	PA	4/18/2006
SM 2340 C	Total hardness as CaCO3	NELAP	PA	1/22/2007
SM 2520 B	Salinity	NELAP	PA	4/8/2008
SM 2540 B	Residue-total	NELAP	PA	4/10/2007
SM 2540 C	Residue-filterable (TDS)	NELAP	PA	4/10/2007
SM 2540 D	Residue-nonfilterable (TSS)	NELAP	PA	4/10/2007
SM 2540 E	Fixed suspended solids	NELAP	PA	4/13/2009
SM 2540 E	Volatile suspended solids	NELAP	PA	4/13/2009
SM 2540 F	Residue-settleable	NELAP	PA	4/10/2007
SM 2540 G	Residue-volatile	NELAP	PA	8/26/2006
SM 2550 B	Temperature, deg. C	NELAP	PA	3/16/2009
SM 2580B	Oxidation-Reduction Potential	NELAP	PA	5/4/2009
SM 3500-Cr B (20th ed.)	Chromium VI	NELAP	PA	8/24/2005
SM 3500-Cr D	Chromium VI	NELAP	PA	4/7/2005
SM 4500-Cl G	Total residual chlorine	NELAP	PA	4/8/2008
SM 4500-Cl- E	Chloride	NELAP	PA	4/10/2007
SM 4500-F- C	Fluoride	NELAP	PA	12/5/2007
SM 4500-H+ B	pH	NELAP	PA	4/10/2007
SM 4500-O G	Oxygen (dissolved)	NELAP	PA	3/16/2009
SM 4500-S F	Sulfide	NELAP	PA	4/10/2007
SM 5210 B	Biochemical oxygen demand (BOD)	NELAP	PA	6/24/2008

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Method	Analyte	Accreditation Type	Primary	Effective Date
SM 5210 B	Carbonaceous BOD (CBOD)	NELAP	PA	8/26/2006
SM 5310 B	Dissolved organic carbon (DOC)	NELAP	PA	3/16/2009
SM 5310 B	Total Inorganic Carbon	NELAP	PA	3/16/2009
SM 5310 B	Total organic carbon (TOC)	NELAP	PA	4/10/2007
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Diethylene glycol diethyl ether	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Diethylene glycol dimethyl ether	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Ethylene glycol dimethyl ether	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Ethylene glycol monobutyl ether acetate	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Ethylene glycol monoethyl ether acetate	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Ethylene glycol monomethyl ether acetate	NELAP	PA	4/13/2009

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Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
ASTM D2216-05	Percent moisture in soil	NELAP	PA	4/13/2009
ASTM D2974-00	Ash content	NELAP	PA	12/5/2007
ASTM D2974-00	Moisture	NELAP	PA	12/5/2007
ASTM D2974-00	Organic matter	NELAP	PA	12/5/2007
ASTM D2974-84	Ash content	NELAP	PA	4/9/2009
ASTM D2974-84	Organic matter	NELAP	PA	4/9/2009
ASTM D3987-85	Shake extraction of solid waste with water	NELAP	PA	12/5/2007
ASTM D5384-95	Total chlorine	NELAP	PA	4/9/2009
EPA 1010	Ignitability	NELAP	PA	4/7/2005
EPA 1010A	Ignitability	NELAP	PA	4/9/2009
EPA 1020A	Ignitability	NELAP	PA	4/7/2005
EPA 1020B	Ignitability	NELAP	PA	4/9/2009
EPA 1310A	Extraction Procedure (EP) Toxicity Test Method	NELAP	PA	4/7/2005
EPA 1311	Toxicity characteristic leaching procedure (TCLP)	NELAP	PA	4/7/2005
EPA 1312	Synthetic precipitation leaching procedure (SPLP)	NELAP	PA	4/18/2006
EPA 1320	Multiple extraction procedure	NELAP	PA	12/5/2007
EPA 160.3	Residue-total	NELAP	PA	8/26/2006
EPA 3005A	Preconcentration under acid	NELAP	PA	4/7/2005
EPA 3010A	Hot plate acid digestion (HNO3 + HCl)	NELAP	PA	4/7/2005
EPA 3050B	Acid digestion of solids	NELAP	PA	4/7/2005
EPA 3060A	Alkaline digestion of Cr(VI)	NELAP	PA	4/7/2005
EPA 350.1	Ammonia as N	NELAP	PA	8/26/2006
EPA 3510C	Separatory funnel liquid-liquid extraction	NELAP	PA	4/7/2005
EPA 3520C	Continuous liquid-liquid extraction	NELAP	PA	4/7/2005
EPA 3541	Automated soxhlet extraction	NELAP	PA	4/7/2005
EPA 3550B	Ultrasonic extraction	NELAP	PA	4/7/2005
EPA 3550C	Ultrasonic extraction	NELAP	PA	4/9/2009
EPA 3580A	Waste dilution	NELAP	PA	4/7/2005
EPA 3585	Waste dilution for VOCs	NELAP	PA	4/7/2005
EPA 3620B	Florisil cleanup	NELAP	PA	4/18/2006
EPA 3620C	Florisil cleanup	NELAP	PA	4/9/2009
EPA 3640A	Gel permeation cleanup	NELAP	PA	4/18/2006
EPA 3660B	Sulfur cleanup	NELAP	PA	4/18/2006
EPA 3665A	Sulfuric acid/permanganate clean-up	NELAP	PA	4/18/2006
EPA 410.4	Chemical oxygen demand (COD)	NELAP	PA	8/26/2006
EPA 5030B	Aqueous-phase purge-and-trap	NELAP	PA	4/7/2005

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 5035	Closed-system purge-and-trap (bisulfate option)	NELAP	PA	4/7/2005
EPA 5035	Closed-system purge-and-trap (methanol option)	NELAP	PA	4/7/2005
EPA 5035	Closed-system purge-and-trap (unpreserved)	NELAP	PA	8/24/2005
EPA 6010	Aluminum	NELAP	PA	8/24/2005
EPA 6010	Antimony	NELAP	PA	4/7/2005
EPA 6010	Arsenic	NELAP	PA	4/7/2005
EPA 6010	Barium	NELAP	PA	4/7/2005
EPA 6010	Beryllium	NELAP	PA	4/7/2005
EPA 6010	Boron	NELAP	PA	4/7/2005
EPA 6010	Cadmium	NELAP	PA	4/7/2005
EPA 6010	Calcium	NELAP	PA	4/7/2005
EPA 6010	Chromium	NELAP	PA	4/7/2005
EPA 6010	Cobalt	NELAP	PA	4/7/2005
EPA 6010	Copper	NELAP	PA	4/7/2005
EPA 6010	Iron	NELAP	PA	4/7/2005
EPA 6010	Lead	NELAP	PA	4/7/2005
EPA 6010	Magnesium	NELAP	PA	4/7/2005
EPA 6010	Manganese	NELAP	PA	4/7/2005
EPA 6010	Molybdenum	NELAP	PA	4/7/2005
EPA 6010	Nickel	NELAP	PA	4/7/2005
EPA 6010	Potassium	NELAP	PA	4/7/2005
EPA 6010	Selenium	NELAP	PA	4/7/2005
EPA 6010	Silver	NELAP	PA	4/7/2005
EPA 6010	Sodium	NELAP	PA	4/7/2005
EPA 6010	Strontium	NELAP	PA	4/7/2005
EPA 6010	Thallium	NELAP	PA	4/7/2005
EPA 6010	Tin	NELAP	PA	4/7/2005
EPA 6010	Titanium	NELAP	PA	4/7/2005
EPA 6010	Vanadium	NELAP	PA	4/7/2005
EPA 6010	Zinc	NELAP	PA	4/7/2005
EPA 6010	Silica as SiO2	NELAP	PA	4/7/2005
EPA 6010-Extended	Cesium	NELAP	PA	4/18/2006
EPA 6010B	ICP-AES	NELAP	PA	4/8/2009
EPA 6010C	ICP-AES	NELAP	PA	4/9/2009
EPA 6020	Aluminum	NELAP	PA	4/7/2005
EPA 6020	Antimony	NELAP	PA	4/7/2005

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 6020	Arsenic	NELAP	PA	4/7/2005
EPA 6020	Barium	NELAP	PA	4/7/2005
EPA 6020	Beryllium	NELAP	PA	4/7/2005
EPA 6020	Cadmium	NELAP	PA	4/7/2005
EPA 6020	Chromium	NELAP	PA	4/7/2005
EPA 6020	Cobalt	NELAP	PA	4/7/2005
EPA 6020	Copper	NELAP	PA	4/7/2005
EPA 6020	ICP-MS	NELAP	PA	4/9/2009
EPA 6020	Lead	NELAP	PA	4/7/2005
EPA 6020	Manganese	NELAP	PA	4/7/2005
EPA 6020	Nickel	NELAP	PA	4/7/2005
EPA 6020	Silver	NELAP	PA	4/7/2005
EPA 6020	Thallium	NELAP	PA	4/7/2005
EPA 6020	Zinc	NELAP	PA	4/7/2005
EPA 6020-Extended	Boron	NELAP	PA	8/24/2005
EPA 6020-Extended	Calcium	NELAP	PA	8/24/2005
EPA 6020-Extended	Cesium	NELAP	PA	4/18/2006
EPA 6020-Extended	Iron	NELAP	PA	8/24/2005
EPA 6020-Extended	Magnesium	NELAP	PA	8/24/2005
EPA 6020-Extended	Molybdenum	NELAP	PA	4/7/2005
EPA 6020-Extended	Potassium	NELAP	PA	8/24/2005
EPA 6020-Extended	Selenium	NELAP	PA	4/7/2005
EPA 6020-Extended	Sodium	NELAP	PA	8/24/2005
EPA 6020-Extended	Strontium	NELAP	PA	4/7/2005
EPA 6020-Extended	Tin	NELAP	PA	8/24/2005
EPA 6020-Extended	Titanium	NELAP	PA	8/24/2005
EPA 6020-Extended	Vanadium	NELAP	PA	4/7/2005
EPA 6020-Extended	Silica as SiO2	NELAP	PA	4/18/2006
EPA 6020A	ICP-MS	NELAP	PA	4/9/2009
EPA 6800	Chromium VI	NELAP	PA	11/8/2007
EPA 7196A	Chromium VI	NELAP	PA	4/7/2005
EPA 7470A	Mercury	NELAP	PA	8/26/2006
EPA 7471A	Mercury	NELAP	PA	4/7/2005
EPA 7471B	Mercury	NELAP	PA	4/9/2009
EPA 8081	Hexachlorobenzene	NELAP	PA	8/26/2006
EPA 8081	Hexachlorocyclopentadiene	NELAP	PA	8/26/2006

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8081	4 4'-DDD	NELAP	PA	4/7/2005
EPA 8081	4 4'-DDE	NELAP	PA	4/7/2005
EPA 8081	4 4'-DDT	NELAP	PA	4/7/2005
EPA 8081	Aldrin (HHDN)	NELAP	PA	4/7/2005
EPA 8081	Chlordane (tech.)	NELAP	PA	4/7/2005
EPA 8081	Chlorobenzilate	NELAP	PA	8/26/2006
EPA 8081	Diallate (cis or trans)	NELAP	PA	8/26/2006
EPA 8081	Dieldrin	NELAP	PA	4/7/2005
EPA 8081	Endosulfan I	NELAP	PA	4/7/2005
EPA 8081	Endosulfan II	NELAP	PA	4/7/2005
EPA 8081	Endosulfan sulfate	NELAP	PA	4/7/2005
EPA 8081	Endrin	NELAP	PA	4/7/2005
EPA 8081	Endrin aldehyde	NELAP	PA	4/7/2005
EPA 8081	Endrin ketone	NELAP	PA	4/7/2005
EPA 8081	Heptachlor	NELAP	PA	4/7/2005
EPA 8081	Heptachlor epoxide	NELAP	PA	4/7/2005
EPA 8081	Isodrin	NELAP	PA	8/24/2005
EPA 8081	Methoxychlor	NELAP	PA	4/7/2005
EPA 8081	Mirex	NELAP	PA	8/24/2005
EPA 8081	Toxaphene (Chlorinated camphene)	NELAP	PA	4/7/2005
EPA 8081	alpha-BHC (alpha-Hexachlorocyclohexane)	NELAP	PA	4/7/2005
EPA 8081	alpha-Chlordane	NELAP	PA	4/7/2005
EPA 8081	beta-BHC (beta-Hexachlorocyclohexane)	NELAP	PA	4/7/2005
EPA 8081	delta-BHC (delta-Hexachlorocyclohexane)	NELAP	PA	4/7/2005
EPA 8081	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	NELAP	PA	4/7/2005
EPA 8081	gamma-Chlordane	NELAP	PA	4/7/2005
EPA 8081-Extended	2 4'-DDD	NELAP	PA	4/18/2006
EPA 8081-Extended	2 4'-DDE	NELAP	PA	4/18/2006
EPA 8081-Extended	2 4'-DDT	NELAP	PA	4/18/2006
EPA 8081-Extended	Dacthal (DCPA)	NELAP	PA	8/26/2006
EPA 8081-Extended	Chlorbenside	NELAP	PA	4/18/2006
EPA 8081-Extended	Oxychlordane	NELAP	PA	4/9/2009
EPA 8081-Extended	cis-Nonachlor	NELAP	PA	4/18/2006
EPA 8081-Extended	trans-Nonachlor	NELAP	PA	4/18/2006
EPA 8081A	Organochlorine Pesticides by GC	NELAP	PA	4/8/2009
EPA 8081B	Organochlorine Pesticides by GC	NELAP	PA	4/9/2009

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082	2 2' 3 5 5' 6-Hexachlorobiphenyl (BZ 151)	NELAP	PA	8/26/2006
EPA 8082	2 2' 3 5'-Tetrachlorobiphenyl (BZ 44)	NELAP	PA	8/26/2006
EPA 8082	2 2' 4 4' 5 5'-Hexachlorobiphenyl (BZ 153)	NELAP	PA	8/26/2006
EPA 8082	2 2' 4 5 5'-Pentachlorobiphenyl (BZ 101)	NELAP	PA	8/26/2006
EPA 8082	2 2' 5 5'-Tetrachlorobiphenyl (BZ 52)	NELAP	PA	8/26/2006
EPA 8082	2 2' 5-Trichlorobiphenyl (BZ 18)	NELAP	PA	8/26/2006
EPA 8082	2 3 3' 4' 6-Pentachlorobiphenyl (BZ 110)	NELAP	PA	8/26/2006
EPA 8082	2 3' 4 4'-Tetrachlorobiphenyl (BZ 66)	NELAP	PA	8/26/2006
EPA 8082	2 3-Dichlorobiphenyl (BZ 5)	NELAP	PA	8/26/2006
EPA 8082	2 4' 5-Trichlorobiphenyl (BZ 31)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ 183)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ 138)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ 180)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,5'-Pentachlorobiphenyl (BZ 87)	NELAP	PA	8/26/2006
EPA 8082	2,2',3,4,5,5'-Hexachlorobiphenyl (BZ 141)	NELAP	PA	8/26/2006
EPA 8082	2-Chlorobiphenyl (BZ 1)	NELAP	PA	8/26/2006
EPA 8082	Aroclor-1016 (PCB-1016)	NELAP	PA	11/8/2007
EPA 8082	Aroclor-1221 (PCB-1221)	NELAP	PA	11/8/2007
EPA 8082	Aroclor-1232 (PCB-1232)	NELAP	PA	11/8/2007
EPA 8082	Aroclor-1242 (PCB-1242)	NELAP	PA	11/8/2007
EPA 8082	Aroclor-1248 (PCB-1248)	NELAP	PA	11/8/2007
EPA 8082	Aroclor-1254 (PCB-1254)	NELAP	PA	11/8/2007
EPA 8082	Aroclor-1260 (PCB-1260)	NELAP	PA	11/8/2007
EPA 8082	PCBs as congeners	NELAP	PA	8/26/2006
EPA 8082	Total Arochlors	NELAP	PA	4/9/2009
EPA 8082	PCBs by GC	NELAP	PA	4/9/2009
EPA 8082-Extended	2 2' 3 4 6'-Pentachlorobiphenyl (BZ 89)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4 6-Pentachlorobiphenyl (BZ 88)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4' 6 6'-Hexachlorobiphenyl (BZ 150)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4' 6'-Pentachlorobiphenyl (BZ 98)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4' 6-Pentachlorobiphenyl (BZ 91)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4'-Tetrachlorobiphenyl (BZ 42)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 4-Tetrachlorobiphenyl (BZ 41)	NELAP	PA	4/13/2009

Attachment to Certificate of Accreditation 006, expiration date April 30, 2010. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	2 2' 3 5 5'-Pentachlorobiphenyl (BZ 92)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5 6 6'-Hexachlorobiphenyl (BZ 152)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5 6'-Pentachlorobiphenyl (BZ 94)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5 6-Pentachlorobiphenyl (BZ 93)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5' 6-Pentachlorobiphenyl (BZ 95)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 5-Tetrachlorobiphenyl (BZ 43)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 6 6'-Pentachlorobiphenyl (BZ 96)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 6'-Tetrachlorobiphenyl (BZ 46)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3 6-Tetrachlorobiphenyl (BZ 45)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 3-Trichlorobiphenyl (BZ 16)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4' 5 6'-Hexachlorobiphenyl (BZ 154)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4' 5-Pentachlorobiphenyl (BZ 99)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4' 6 6'-Hexachlorobiphenyl (BZ 155)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4' 6-Pentachlorobiphenyl (BZ 100)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 4'-Tetrachlorobiphenyl (BZ 47)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 5 6'-Pentachlorobiphenyl (BZ 102)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 5' 6-Pentachlorobiphenyl (BZ 103)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 5'-Tetrachlorobiphenyl (BZ 49)	NELAP	PA	8/26/2006
EPA 8082-Extended	2 2' 4 5-Tetrachlorobiphenyl (BZ 48)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 6 6'-Pentachlorobiphenyl (BZ 104)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 6'-Tetrachlorobiphenyl (BZ 51)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4 6-Tetrachlorobiphenyl (BZ 50)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 4-Trichlorobiphenyl (BZ 17)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 5 6'-Tetrachlorobiphenyl (BZ 53)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 6 6'-Tetrachlorobiphenyl (BZ 54)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2' 6-Trichlorobiphenyl (BZ 19)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 2'-Dichlorobiphenyl (BZ 4)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5 5' 6-Octachlorobiphenyl (BZ 205)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5 5'-Heptachlorobiphenyl (BZ 189)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5 6-Heptachlorobiphenyl (BZ 190)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5' 6-Heptachlorobiphenyl (BZ 191)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5'-Hexachlorobiphenyl (BZ 157)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 5-Hexachlorobiphenyl (BZ 156)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4' 6-Hexachlorobiphenyl (BZ 158)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 4'-Pentachlorobiphenyl (BZ 105)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 5 5' 6-Heptachlorobiphenyl (BZ 192)	NELAP	PA	4/13/2009

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State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	2 3 3' 4 5 5'-Hexachlorobiphenyl (BZ 159)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 5 6-Hexachlorobiphenyl (BZ 160)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 5' 6-Hexachlorobiphenyl (BZ 161)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 5'-Pentachlorobiphenyl (BZ 108)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 5-Pentachlorobiphenyl (BZ 106)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4 6-Pentachlorobiphenyl (BZ 109)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5 5' 6-Heptachlorobiphenyl (BZ 193)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5 5'-Hexachlorobiphenyl (BZ 162)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5 6-Hexachlorobiphenyl (BZ 163)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5'-Pentachlorobiphenyl (BZ 122)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4' 5-Pentachlorobiphenyl (BZ 107)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4'-Tetrachlorobiphenyl (BZ 56)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 4-Tetrachlorobiphenyl (BZ 55)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5 5' 6-Hexachlorobiphenyl (BZ 165)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5 5'-Pentachlorobiphenyl (BZ 111)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5 6-Pentachlorobiphenyl (BZ 112)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5' 6-Pentachlorobiphenyl (BZ 113)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5'-Tetrachlorobiphenyl (BZ 58)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 5-Tetrachlorobiphenyl (BZ 57)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3' 6-Tetrachlorobiphenyl (BZ 59)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 3'-Trichlorobiphenyl (BZ 20)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 4' 5 6-Hexachlorobiphenyl (BZ 166)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 4' 5-Pentachlorobiphenyl (BZ 114)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 4' 6-Pentachlorobiphenyl (BZ 115)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 4'-Tetrachlorobiphenyl (BZ 60)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 5 6-Pentachlorobiphenyl (BZ 116)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 5-Tetrachlorobiphenyl (BZ 61)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4 6-Tetrachlorobiphenyl (BZ 62)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4' 5 6-Pentachlorobiphenyl (BZ 117)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4' 5-Tetrachlorobiphenyl (BZ 63)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4' 6-Tetrachlorobiphenyl (BZ 64)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4'-Trichlorobiphenyl (BZ 22)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 4-Trichlorobiphenyl (BZ 21)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 5 6-Tetrachlorobiphenyl (BZ 65)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 5-Trichlorobiphenyl (BZ 23)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3 6-Trichlorobiphenyl (BZ 24)	NELAP	PA	4/13/2009

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State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
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Pittsburgh, PA 15238

Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	2 3' 4 4' 5 5'-Hexachlorobiphenyl (BZ 167)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 4' 5' 6-Hexachlorobiphenyl (BZ 168)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 4' 5'-Pentachlorobiphenyl (BZ 123)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 4' 5-Pentachlorobiphenyl (BZ 118)	NELAP	PA	8/26/2006
EPA 8082-Extended	2 3' 4 4' 6-Pentachlorobiphenyl (BZ 119)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 5 5'-Pentachlorobiphenyl (BZ 120)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 5' 6-Pentachlorobiphenyl (BZ 121)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 5'-Tetrachlorobiphenyl (BZ 68)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 5-Tetrachlorobiphenyl (BZ 67)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4 6-Tetrachlorobiphenyl (BZ 69)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 5 5'-Pentachlorobiphenyl (BZ 124)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 5' 6-Pentachlorobiphenyl (BZ 125)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 5'-Tetrachlorobiphenyl (BZ 76)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 5-Tetrachlorobiphenyl (BZ 70)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4' 6-Tetrachlorobiphenyl (BZ 71)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4'-Trichlorobiphenyl (BZ 33)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 4-Trichlorobiphenyl (BZ 25)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 5 5'-Tetrachlorobiphenyl (BZ 72)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 5' 6-Tetrachlorobiphenyl (BZ 73)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 5'-Trichlorobiphenyl (BZ 34)	NELAP	PA	8/26/2006
EPA 8082-Extended	2 3' 5-Trichlorobiphenyl (BZ 26)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3' 6-Trichlorobiphenyl (BZ 27)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 3'-Dichlorobiphenyl (BZ 6)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 4' 5-Tetrachlorobiphenyl (BZ 74)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 4' 6-Tetrachlorobiphenyl (BZ 75)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 4'-Trichlorobiphenyl (BZ 28)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 5-Trichlorobiphenyl (BZ 29)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4 6-Trichlorobiphenyl (BZ 30)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4' 6-Trichlorobiphenyl (BZ 32)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4'-Dichlorobiphenyl (BZ 8)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 4-Dichlorobiphenyl (BZ 7)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 5-Dichlorobiphenyl (BZ 9)	NELAP	PA	4/13/2009
EPA 8082-Extended	2 6-Dichlorobiphenyl (BZ 10)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl (BZ 209)	NELAP	PA	8/26/2006
EPA 8082-Extended	2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ 194)	NELAP	PA	8/26/2006
EPA 8082-Extended	2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ 196)	NELAP	PA	4/13/2009

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State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
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Pittsburgh, PA 15238

Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ 207)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4',6,6'-Octachlorobiphenyl (BZ 197)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4',6-Heptachlorobiphenyl (BZ 171)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ 128)	NELAP	PA	8/26/2006
EPA 8082-Extended	2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ 177)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ 201)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ 175)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5'-Hexachlorobiphenyl (BZ 130)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,5',6'-Octachlorobiphenyl (BZ 199)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (BZ 208)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,5',6-Octachlorobiphenyl (BZ 198)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ 172)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ 174)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,6,6'-Octachlorobiphenyl (BZ 200)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5,6-Heptachlorobiphenyl (BZ 173)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,5-Hexachlorobiphenyl (BZ 129)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,6'-Hexachlorobiphenyl (BZ 132)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ 176)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4,6-Hexachlorobiphenyl (BZ 131)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',4-Pentachlorobiphenyl (BZ 82)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ 202)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ 178)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,5'-Hexachlorobiphenyl (BZ 133)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,6'-Hexachlorobiphenyl (BZ 135)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ 179)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5,6-Hexachlorobiphenyl (BZ 134)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',5-Pentachlorobiphenyl (BZ 83)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',6,6'-Hexachlorobiphenyl (BZ 136)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3',6-Pentachlorobiphenyl (BZ 84)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,3'-Tetrachlorobiphenyl (BZ 40)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5',6-Hexachlorobiphenyl (BZ 149)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5'-Pentachlorobiphenyl (BZ 97)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5,5'-Hexachlorobiphenyl (BZ 146)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5,6'-Hexachlorobiphenyl (BZ 148)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5,6,6'-Heptachlorobiphenyl (BZ 188)	NELAP	PA	4/13/2009

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Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	2,2',3,4',5,6-Hexachlorobiphenyl (BZ 147)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4',5-Pentachlorobiphenyl (BZ 90)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ 203)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ 182)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ 204)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ 181)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',5-Pentachlorobiphenyl (BZ 137)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4',6-Hexachlorobiphenyl (BZ 139)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,4'-Pentachlorobiphenyl (BZ 85)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5',6-Hexachlorobiphenyl (BZ 144)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5,5',6-Heptachlorobiphenyl (BZ 185)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5,6'-Hexachlorobiphenyl (BZ 143)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ 186)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5,6-Hexachlorobiphenyl (BZ 142)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,5-Pentachlorobiphenyl (BZ 86)	NELAP	PA	4/13/2009
EPA 8082-Extended	2,2',3,4,6,6'-Hexachlorobiphenyl (BZ 145)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 4' 5 5'-Hexachlorobiphenyl (BZ 169)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 4' 5-Pentachlorobiphenyl (BZ 126)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 4'-Tetrachlorobiphenyl (BZ 77)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 5 5'-Pentachlorobiphenyl (BZ 127)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 5'-Tetrachlorobiphenyl (BZ 79)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4 5-Tetrachlorobiphenyl (BZ 78)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 4-Trichlorobiphenyl (BZ 35)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 5 5'-Tetrachlorobiphenyl (BZ 80)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3' 5-Trichlorobiphenyl (BZ 36)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 3'-Dichlorobiphenyl (BZ 11)	NELAP	PA	8/26/2006
EPA 8082-Extended	3 4 4' 5-Tetrachlorobiphenyl (BZ 81)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4 4'-Trichlorobiphenyl (BZ 37)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4 5-Trichlorobiphenyl (BZ 38)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4' 5-Trichlorobiphenyl (BZ 39)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4'-Dichlorobiphenyl (BZ 13)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 4-Dichlorobiphenyl (BZ 12)	NELAP	PA	4/13/2009
EPA 8082-Extended	3 5-Dichlorobiphenyl (BZ 14)	NELAP	PA	4/13/2009
EPA 8082-Extended	3-Chlorobiphenyl (BZ 2)	NELAP	PA	4/13/2009
EPA 8082-Extended	4 4'-Dichlorobiphenyl (BZ 15)	NELAP	PA	4/13/2009

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Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8082-Extended	4-Chlorobiphenyl (BZ 3)	NELAP	PA	4/13/2009
EPA 8082-Extended	Aroclor-1262 (PCB-1262)	NELAP	PA	4/8/2008
EPA 8082-Extended	Aroclor-1268 (PCB-1268)	NELAP	PA	4/8/2008
EPA 8082A	PCBs by GC	NELAP	PA	4/9/2009
EPA 8141	Dichlorovos (DDVP, Dichlorvos)	NELAP	PA	8/24/2005
EPA 8141	Disulfoton	NELAP	PA	4/7/2005
EPA 8141	Azinphos-methyl (Guthion)	NELAP	PA	4/7/2005
EPA 8141	Bolstar (Sulprofos)	NELAP	PA	4/18/2006
EPA 8141	Chlorpyrifos	NELAP	PA	8/24/2005
EPA 8141	Coumaphos	NELAP	PA	8/24/2005
EPA 8141	Demeton	NELAP	PA	4/9/2009
EPA 8141	Demeton-O	NELAP	PA	4/7/2005
EPA 8141	Demeton-S	NELAP	PA	4/7/2005
EPA 8141	Diazinon (Spectracide)	NELAP	PA	4/7/2005
EPA 8141	Dimethoate	NELAP	PA	8/24/2005
EPA 8141	EPN	NELAP	PA	8/24/2005
EPA 8141	Ethoprop (Prophos)	NELAP	PA	8/24/2005
EPA 8141	Famphur	NELAP	PA	8/24/2005
EPA 8141	Fensulfothion	NELAP	PA	8/24/2005
EPA 8141	Fenthion	NELAP	PA	8/24/2005
EPA 8141	Malathion	NELAP	PA	4/7/2005
EPA 8141	Methyl parathion (Parathion, methyl)	NELAP	PA	4/7/2005
EPA 8141	Mevinphos	NELAP	PA	8/24/2005
EPA 8141	Parathion	NELAP	PA	4/7/2005
EPA 8141	Phorate (Thimet)	NELAP	PA	8/24/2005
EPA 8141	Ronnel	NELAP	PA	4/18/2006
EPA 8141	Stirophos (Tetrachlorovinphos)	NELAP	PA	4/18/2006
EPA 8141	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	8/26/2006
EPA 8141	Thionazine (Zinophos)	NELAP	PA	4/18/2006
EPA 8141	Tokuthion (Prothiophos)	NELAP	PA	4/18/2006
EPA 8141	Trichloronate	NELAP	PA	4/18/2006
EPA 8141-Extended	O O O-Triethyl phosphorothioate	NELAP	PA	4/18/2006
EPA 8141-Extended	Triphenyl phosphate	NELAP	PA	4/18/2006
EPA 8141A	Organophosphorus Compounds by GC	NELAP	PA	4/8/2009
EPA 8141B	Organophosphorus Compounds by GC	NELAP	PA	4/9/2009
EPA 8151	Pentachlorophenol (PCP)	NELAP	PA	4/7/2005

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EPA 8151	2 4 5-T	NELAP	PA	4/7/2005
EPA 8151	2 4 5-TP (Silvex)	NELAP	PA	4/7/2005
EPA 8151	2 4-D	NELAP	PA	4/7/2005
EPA 8151	2 4-DB (Butoxon)	NELAP	PA	4/7/2005
EPA 8151	Dalapon	NELAP	PA	8/24/2005
EPA 8151	Dicamba	NELAP	PA	4/7/2005
EPA 8151	Dichloroprop (Dichlorprop)	NELAP	PA	4/7/2005
EPA 8151	Dinoseb (2-sec-butyl-4 6-dinitrophenol, DNBP)	NELAP	PA	4/7/2005
EPA 8151	MCPA	NELAP	PA	4/7/2005
EPA 8151	MCPP (Mecoprop)	NELAP	PA	4/7/2005
EPA 8151A	Chlorinated Herbicides by GC	NELAP	PA	4/8/2009
EPA 8260	Benzyl chloride	NELAP	PA	8/26/2006
EPA 8260	1,1,1,2-Tetrachloroethane	NELAP	PA	8/24/2005
EPA 8260	1,1,1-Trichloroethane	NELAP	PA	4/7/2005
EPA 8260	1,1,2,2-Tetrachloroethane	NELAP	PA	4/7/2005
EPA 8260	1,1,2-Trichloroethane	NELAP	PA	4/7/2005
EPA 8260	1,1-Dichloroethane	NELAP	PA	4/7/2005
EPA 8260	1,1-Dichloroethene (1,1-Dichloroethylene)	NELAP	PA	4/7/2005
EPA 8260	1,1-Dichloropropene	NELAP	PA	8/26/2006
EPA 8260	1,2,3-Trichlorobenzene	NELAP	PA	8/26/2006
EPA 8260	1,2,3-Trichloropropane (1,2,3-TCP)	NELAP	PA	4/7/2005
EPA 8260	1,2,4-Trichlorobenzene	NELAP	PA	4/7/2005
EPA 8260	1,2,4-Trimethylbenzene	NELAP	PA	8/26/2006
EPA 8260	1,2-Dibromo-3-chloropropane (DBCP, Dibromochloropropane)	NELAP	PA	8/24/2005
EPA 8260	1,2-Dibromoethane (EDB, Ethylene dibromide)	NELAP	PA	4/7/2005
EPA 8260	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 8260	1,2-Dichloroethane	NELAP	PA	4/7/2005
EPA 8260	1,2-Dichloropropane	NELAP	PA	4/7/2005
EPA 8260	1,3,5-Trimethylbenzene	NELAP	PA	8/26/2006
EPA 8260	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 8260	1,3-Dichloropropane	NELAP	PA	8/26/2006
EPA 8260	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 8260	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	8/24/2005
EPA 8260	2 2-Dichloropropane	NELAP	PA	8/26/2006
EPA 8260	2-Butanone (Methyl ethyl ketone, MEK)	NELAP	PA	8/24/2005
EPA 8260	2-Chloroethyl vinyl ether	NELAP	PA	4/7/2005

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EPA 8260	2-Chlorotoluene	NELAP	PA	4/7/2005
EPA 8260	2-Hexanone	NELAP	PA	8/24/2005
EPA 8260	2-Nitropropane	NELAP	PA	8/26/2006
EPA 8260	2-Pentanone	NELAP	PA	8/26/2006
EPA 8260	4-Chlorotoluene	NELAP	PA	4/7/2005
EPA 8260	4-Isopropyltoluene (p-Isopropyltoluene)	NELAP	PA	8/26/2006
EPA 8260	4-Methyl-2-pentanone (MIBK)	NELAP	PA	4/7/2005
EPA 8260	Acetone	NELAP	PA	4/7/2005
EPA 8260	Acetonitrile	NELAP	PA	4/7/2005
EPA 8260	Acrolein (Propenal)	NELAP	PA	4/7/2005
EPA 8260	Acrylonitrile	NELAP	PA	4/7/2005
EPA 8260	Allyl chloride (3-Chloropropene)	NELAP	PA	8/26/2006
EPA 8260	Benzene	NELAP	PA	4/7/2005
EPA 8260	Bromobenzene	NELAP	PA	4/7/2005
EPA 8260	Bromochloromethane	NELAP	PA	8/24/2005
EPA 8260	Bromodichloromethane	NELAP	PA	4/7/2005
EPA 8260	Bromoform	NELAP	PA	4/7/2005
EPA 8260	Carbon disulfide	NELAP	PA	8/24/2005
EPA 8260	Carbon tetrachloride	NELAP	PA	4/7/2005
EPA 8260	Chlorobenzene	NELAP	PA	4/7/2005
EPA 8260	Chloroethane	NELAP	PA	4/7/2005
EPA 8260	Chloroform	NELAP	PA	4/7/2005
EPA 8260	Chloroprene (2-Chloro-1 3-butadiene)	NELAP	PA	8/26/2006
EPA 8260	Dibromochloromethane	NELAP	PA	4/7/2005
EPA 8260	Dibromofluoromethane	NELAP	PA	8/26/2006
EPA 8260	Dibromomethane	NELAP	PA	8/24/2005
EPA 8260	Dichlorodifluoromethane (Freon 12)	NELAP	PA	4/7/2005
EPA 8260	Diethyl ether	NELAP	PA	8/26/2006
EPA 8260	Ethyl acetate	NELAP	PA	4/9/2009
EPA 8260	Ethyl methacrylate	NELAP	PA	8/24/2005
EPA 8260	Ethylbenzene	NELAP	PA	4/7/2005
EPA 8260	Hexachlorobutadiene	NELAP	PA	8/24/2005
EPA 8260	Iodomethane (Methyl iodide)	NELAP	PA	8/26/2006
EPA 8260	Isobutyl alcohol (2-Methyl-1-propanol)	NELAP	PA	8/26/2006
EPA 8260	Isopropylbenzene	NELAP	PA	4/7/2005
EPA 8260	Methacrylonitrile	NELAP	PA	8/26/2006

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EPA 8260	Methyl bromide (Bromomethane)	NELAP	PA	4/7/2005
EPA 8260	Methyl chloride (Chloromethane)	NELAP	PA	4/7/2005
EPA 8260	Methyl tert-butyl ether (MTBE)	NELAP	PA	4/7/2005
EPA 8260	Methylacrylate	NELAP	PA	8/26/2006
EPA 8260	Methylene chloride (Dichloromethane)	NELAP	PA	4/7/2005
EPA 8260	Methylmethacrylate	NELAP	PA	8/24/2005
EPA 8260	Naphthalene	NELAP	PA	4/7/2005
EPA 8260	Nitrobenzene	NELAP	PA	8/26/2006
EPA 8260	Paraldehyde	NELAP	PA	8/26/2006
EPA 8260	Pentachloroethane	NELAP	PA	8/26/2006
EPA 8260	Propargyl alcohol	NELAP	PA	8/26/2006
EPA 8260	Propionitrile (Ethyl cyanide)	NELAP	PA	8/24/2005
EPA 8260	Pyridine	NELAP	PA	8/26/2006
EPA 8260	Styrene	NELAP	PA	4/7/2005
EPA 8260	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	4/7/2005
EPA 8260	Toluene	NELAP	PA	4/7/2005
EPA 8260	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	4/7/2005
EPA 8260	Trichlorofluoromethane (Freon 11)	NELAP	PA	4/7/2005
EPA 8260	Vinyl acetate	NELAP	PA	4/7/2005
EPA 8260	Vinyl chloride	NELAP	PA	4/7/2005
EPA 8260	Xylenes, total	NELAP	PA	4/7/2005
EPA 8260	cis-1 2-Dichloroethene	NELAP	PA	4/7/2005
EPA 8260	cis-1 3-Dichloropropene	NELAP	PA	4/7/2005
EPA 8260	m+p-Xylene	NELAP	PA	8/26/2006
EPA 8260	m-Xylene	NELAP	PA	4/9/2009
EPA 8260	n-Butyl alcohol (1-Butanol)	NELAP	PA	4/9/2009
EPA 8260	n-Butylbenzene	NELAP	PA	4/7/2005
EPA 8260	n-Propylbenzene	NELAP	PA	4/7/2005
EPA 8260	o-Xylene	NELAP	PA	8/26/2006
EPA 8260	p-Xylene	NELAP	PA	4/9/2009
EPA 8260	sec-Butylbenzene	NELAP	PA	4/7/2005
EPA 8260	tert-Butyl alcohol (2-Methyl-2-propanol)	NELAP	PA	4/8/2008
EPA 8260	tert-Butylbenzene	NELAP	PA	4/7/2005
EPA 8260	trans-1 2-Dichloroethene	NELAP	PA	4/7/2005
EPA 8260	trans-1 3-Dichloropropene	NELAP	PA	4/7/2005
EPA 8260	trans-1 4-Dichloro-2-butene	NELAP	PA	4/7/2005

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EPA 8260-Extended	bis(2-Chloroethyl) ether	NELAP	PA	12/5/2007
EPA 8260-Extended	1,2-Epoxybutane	NELAP	PA	12/5/2007
EPA 8260-Extended	1 3 5-Trichlorobenzene	NELAP	PA	4/9/2009
EPA 8260-Extended	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NELAP	PA	4/18/2006
EPA 8260-Extended	1,2-Dibromochloroethene (total)	NELAP	PA	4/18/2006
EPA 8260-Extended	1,2-Dichloroethene (total)	NELAP	PA	3/1/2007
EPA 8260-Extended	1,3-Butadiene (Divinyl)	NELAP	PA	12/5/2007
EPA 8260-Extended	2 2 4-Trimethylpentane	NELAP	PA	12/5/2007
EPA 8260-Extended	2 3 6-Trichlorotoluene	NELAP	PA	4/9/2009
EPA 8260-Extended	2 3-Dichlorotoluene	NELAP	PA	4/9/2009
EPA 8260-Extended	2 4 5-Trichlorotoluene	NELAP	PA	4/9/2009
EPA 8260-Extended	2 4-Dichlorobenzotrifluoride	NELAP	PA	4/9/2009
EPA 8260-Extended	2 4-Dichlorotoluene	NELAP	PA	4/9/2009
EPA 8260-Extended	2 5-Dichlorobenzotrifluoride	NELAP	PA	4/9/2009
EPA 8260-Extended	2 5-Dichlorotoluene	NELAP	PA	4/9/2009
EPA 8260-Extended	2 6-Dichlorotoluene	NELAP	PA	4/9/2009
EPA 8260-Extended	2-Chlorobenzotrifluoride	NELAP	PA	4/9/2009
EPA 8260-Extended	3 4-Dichlorobenzotrifluoride	NELAP	PA	4/9/2009
EPA 8260-Extended	3-Chlorobenzotrifluoride	NELAP	PA	4/9/2009
EPA 8260-Extended	4-Chlorobenzotrifluoride	NELAP	PA	4/9/2009
EPA 8260-Extended	Cyclohexane	NELAP	PA	4/18/2006
EPA 8260-Extended	Cyclohexanol	NELAP	PA	4/9/2009
EPA 8260-Extended	Dichloroethyl ether	NELAP	PA	4/9/2009
EPA 8260-Extended	Dichlorofluoromethane (Freon 21)	NELAP	PA	4/9/2009
EPA 8260-Extended	Ethyl acrylate	NELAP	PA	12/5/2007
EPA 8260-Extended	Heptane	NELAP	PA	4/18/2006
EPA 8260-Extended	Hexane	NELAP	PA	12/5/2007
EPA 8260-Extended	Isopropyl alcohol (2-Propanol)	NELAP	PA	8/26/2006
EPA 8260-Extended	Methyl acetate	NELAP	PA	4/18/2006
EPA 8260-Extended	Methyl isobutyl ketone (MIBK, 4-Methyl-2-pentanone)	NELAP	PA	8/26/2006
EPA 8260-Extended	Methylcyclohexane	NELAP	PA	4/18/2006
EPA 8260-Extended	Trichlorotrifluoroethane (Freon 113)	NELAP	PA	8/24/2005
EPA 8260-Extended	Vinyl bromide (Bromoethene)	NELAP	PA	12/5/2007
EPA 8260-Extended	tert-Amyl methyl ether (TAME)	NELAP	PA	4/9/2009
EPA 8260-Extended	3 4-Dichlorotoluene	NELAP	PA	4/9/2009
EPA 8260B	VOCs by GC/MS	NELAP	PA	4/8/2009

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EPA 8270	1,2,4,5-Tetrachlorobenzene	NELAP	PA	4/7/2005
EPA 8270	1,2-Dinitrobenzene (1,2-DNB)	NELAP	PA	8/26/2006
EPA 8270	1,2-Diphenylhydrazine	NELAP	PA	4/18/2006
EPA 8270	1,3,5-Trinitrobenzene (1,3,5-TNB)	NELAP	PA	8/26/2006
EPA 8270	1,3-Dinitrobenzene (1,3-DNB)	NELAP	PA	8/26/2006
EPA 8270	1,4-Naphthoquinone	NELAP	PA	8/26/2006
EPA 8270	1,4-Phenylenediamine	NELAP	PA	8/26/2006
EPA 8270	1-Chloronaphthalene	NELAP	PA	8/26/2006
EPA 8270	1-Naphthylamine (alpha-Naphthylamine)	NELAP	PA	8/26/2006
EPA 8270	2 3 4 6-Tetrachlorophenol	NELAP	PA	8/24/2005
EPA 8270	2 4 5-Trichlorophenol	NELAP	PA	4/7/2005
EPA 8270	2 4 6-Trichlorophenol	NELAP	PA	4/7/2005
EPA 8270	2 4-Dichlorophenol	NELAP	PA	4/7/2005
EPA 8270	2 4-Dimethylphenol	NELAP	PA	4/7/2005
EPA 8270	2 4-Dinitrophenol	NELAP	PA	4/7/2005
EPA 8270	2 4-Dinitrotoluene (2 4-DNT)	NELAP	PA	4/7/2005
EPA 8270	2 6-Dichlorophenol	NELAP	PA	8/24/2005
EPA 8270	2 6-Dinitrotoluene (2 6-DNT)	NELAP	PA	4/7/2005
EPA 8270	2-Acetylaminofluorene	NELAP	PA	8/26/2006
EPA 8270	2-Chloronaphthalene	NELAP	PA	4/7/2005
EPA 8270	2-Chlorophenol	NELAP	PA	4/7/2005
EPA 8270	2-Methyl-4 6-dinitrophenol (4 6-Dinitro-2-methylphenol)	NELAP	PA	4/7/2005
EPA 8270	2-Methylnaphthalene	NELAP	PA	4/7/2005
EPA 8270	2-Methylphenol (o-Cresol)	NELAP	PA	4/7/2005
EPA 8270	2-Naphthylamine (beta-Naphthylamine)	NELAP	PA	8/26/2006
EPA 8270	2-Nitroaniline	NELAP	PA	4/7/2005
EPA 8270	2-Nitrophenol	NELAP	PA	4/7/2005
EPA 8270	3 3'-Dichlorobenzidine	NELAP	PA	4/7/2005
EPA 8270	3 3'-Dimethylbenzidine	NELAP	PA	8/24/2005
EPA 8270	3-Amino-9-ethylcarbazole	NELAP	PA	8/26/2006
EPA 8270	3-Methylcholanthrene	NELAP	PA	8/26/2006
EPA 8270	3-Methylphenol (m-Cresol)	NELAP	PA	4/7/2005
EPA 8270	3-Nitroaniline	NELAP	PA	4/7/2005
EPA 8270	4 4'-Methylenebis(2-chloroaniline)	NELAP	PA	8/24/2005
EPA 8270	4 4'-Methylenebis(N N-dimethylaniline)	NELAP	PA	8/26/2006
EPA 8270	4-Aminobiphenyl	NELAP	PA	8/26/2006

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EPA 8270	4-Bromophenyl phenyl ether	NELAP	PA	4/7/2005
EPA 8270	4-Chloro-3-methylphenol	NELAP	PA	4/7/2005
EPA 8270	4-Chloroaniline	NELAP	PA	4/7/2005
EPA 8270	4-Chlorophenyl phenyl ether	NELAP	PA	4/7/2005
EPA 8270	4-Dimethyl aminoazobenzene	NELAP	PA	8/26/2006
EPA 8270	4-Methylphenol (p-Cresol)	NELAP	PA	4/7/2005
EPA 8270	4-Nitroaniline	NELAP	PA	4/7/2005
EPA 8270	4-Nitrobiphenyl	NELAP	PA	8/26/2006
EPA 8270	4-Nitrophenol	NELAP	PA	4/7/2005
EPA 8270	4-Nitroquinoline-1-oxide	NELAP	PA	4/18/2006
EPA 8270	5-Nitro-o-toluidine	NELAP	PA	8/26/2006
EPA 8270	7 12-Dimethylbenz(a)anthracene	NELAP	PA	8/26/2006
EPA 8270	Acenaphthene	NELAP	PA	4/7/2005
EPA 8270	Acenaphthylene	NELAP	PA	4/7/2005
EPA 8270	Acetophenone	NELAP	PA	8/26/2006
EPA 8270	Aminoazobenzene	NELAP	PA	8/26/2006
EPA 8270	Aniline	NELAP	PA	4/7/2005
EPA 8270	Anthracene	NELAP	PA	4/7/2005
EPA 8270	Aramite	NELAP	PA	8/24/2005
EPA 8270	Benzidine	NELAP	PA	4/7/2005
EPA 8270	Benzo(a)anthracene	NELAP	PA	4/7/2005
EPA 8270	Benzo(a)pyrene	NELAP	PA	4/7/2005
EPA 8270	Benzo(b)fluoranthene	NELAP	PA	4/7/2005
EPA 8270	Benzo(g h i)perylene	NELAP	PA	4/7/2005
EPA 8270	Benzo(k)fluoranthene	NELAP	PA	4/7/2005
EPA 8270	Benzoic acid	NELAP	PA	4/7/2005
EPA 8270	Benzyl alcohol	NELAP	PA	8/24/2005
EPA 8270	Butyl benzyl phthalate (Benzyl butyl phthalate)	NELAP	PA	4/7/2005
EPA 8270	Carbazole	NELAP	PA	4/7/2005
EPA 8270	Chrysene	NELAP	PA	4/7/2005
EPA 8270	Cresols (total)	NELAP	PA	4/18/2006
EPA 8270	Di-n-butyl phthalate	NELAP	PA	4/7/2005
EPA 8270	Di-n-octyl phthalate	NELAP	PA	4/7/2005
EPA 8270	Dibenzo(a h)anthracene	NELAP	PA	4/7/2005
EPA 8270	Dibenzofuran	NELAP	PA	4/7/2005
EPA 8270	Diethyl phthalate	NELAP	PA	4/7/2005

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EPA 8270	Dimethyl phthalate	NELAP	PA	4/7/2005
EPA 8270	Diphenylamine	NELAP	PA	4/7/2005
EPA 8270	Ethyl methanesulfonate	NELAP	PA	8/26/2006
EPA 8270	Fluoranthene	NELAP	PA	4/7/2005
EPA 8270	Fluorene	NELAP	PA	4/7/2005
EPA 8270	Hexachlorobenzene	NELAP	PA	4/7/2005
EPA 8270	Hexachlorocyclopentadiene	NELAP	PA	4/7/2005
EPA 8270	Hexachlorophene	NELAP	PA	8/26/2006
EPA 8270	Hexachloropropene	NELAP	PA	8/24/2005
EPA 8270	Indeno(1 2 3-cd)pyrene	NELAP	PA	4/7/2005
EPA 8270	Isophorone	NELAP	PA	4/7/2005
EPA 8270	Isosafrole	NELAP	PA	8/26/2006
EPA 8270	Methapyrilene	NELAP	PA	12/5/2007
EPA 8270	Methyl methanesulfonate	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosodi-n-propylamine	NELAP	PA	4/7/2005
EPA 8270	N-Nitrosodiethylamine	NELAP	PA	4/7/2005
EPA 8270	N-Nitrosodimethylamine	NELAP	PA	4/7/2005
EPA 8270	N-Nitrosodiphenylamine	NELAP	PA	4/7/2005
EPA 8270	N-Nitrosomethylethylamine	NELAP	PA	8/24/2005
EPA 8270	N-Nitrosomorpholine	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosopiperidine	NELAP	PA	8/26/2006
EPA 8270	N-Nitrosopyrrolidine	NELAP	PA	4/7/2005
EPA 8270	Nitroquinoline-1-oxide	NELAP	PA	8/26/2006
EPA 8270	Pentachlorobenzene	NELAP	PA	8/24/2005
EPA 8270	Pentachloronitrobenzene (PCNB)	NELAP	PA	8/24/2005
EPA 8270	Pentachlorophenol (PCP)	NELAP	PA	4/7/2005
EPA 8270	Phenacetin	NELAP	PA	8/26/2006
EPA 8270	Phenanthrene	NELAP	PA	4/7/2005
EPA 8270	Phenol	NELAP	PA	4/7/2005
EPA 8270	Pronamide (Kerb)	NELAP	PA	8/24/2005
EPA 8270	Pyrene	NELAP	PA	4/7/2005
EPA 8270	Safrole	NELAP	PA	8/26/2006
EPA 8270	Thiophenol (Benzenethiol)	NELAP	PA	8/26/2006
EPA 8270	a-a-Dimethylphenethylamine	NELAP	PA	8/24/2005
EPA 8270	bis(2-Chloroethoxy)methane	NELAP	PA	4/7/2005
EPA 8270	bis(2-Chloroethyl) ether	NELAP	PA	4/7/2005

Attachment to Certificate of Accreditation 006, expiration date April 30, 2010. This listing of accredited analytes should be used only when associated with a valid certificate of accreditation.

State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8270	bis(2-Chloroisopropyl) ether	NELAP	PA	4/7/2005
EPA 8270	bis(2-Ethylhexyl) phthalate (DEHP)	NELAP	PA	4/7/2005
EPA 8270	Dinoseb (2-sec-butyl-4 6-dinitrophenol, DNBP)	NELAP	PA	8/26/2006
EPA 8270	Disulfoton	NELAP	PA	8/26/2006
EPA 8270	Azinphos-methyl (Guthion)	NELAP	PA	3/1/2007
EPA 8270	Carbaryl (Sevin)	NELAP	PA	12/5/2007
EPA 8270	Chlorobenzilate	NELAP	PA	8/24/2005
EPA 8270	Diallate (cis or trans)	NELAP	PA	4/18/2006
EPA 8270	Dimethoate	NELAP	PA	8/26/2006
EPA 8270	Dioxathion	NELAP	PA	8/26/2006
EPA 8270	Famphur	NELAP	PA	8/26/2006
EPA 8270	Isodrin	NELAP	PA	8/26/2006
EPA 8270	Kepone	NELAP	PA	4/18/2006
EPA 8270	Malathion	NELAP	PA	3/1/2007
EPA 8270	Methyl parathion (Parathion, methyl)	NELAP	PA	8/24/2005
EPA 8270	O O O-Triethyl phosphorothioate	NELAP	PA	8/26/2006
EPA 8270	Parathion, ethyl (Ethyl parathion)	NELAP	PA	8/24/2005
EPA 8270	Phorate (Thimet)	NELAP	PA	8/26/2006
EPA 8270	Sulfotepp (Tetraethyl dithiopyrophosphate)	NELAP	PA	8/26/2006
EPA 8270	Thionazine (Zinophos)	NELAP	PA	8/26/2006
EPA 8270	1,2,4-Trichlorobenzene	NELAP	PA	4/7/2005
EPA 8270	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 8270	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 8270	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	4/7/2005
EPA 8270	2-Picoline (2-Methylpyridine)	NELAP	PA	4/18/2006
EPA 8270	Hexachlorobutadiene	NELAP	PA	4/7/2005
EPA 8270	Hexachloroethane	NELAP	PA	4/7/2005
EPA 8270	N-Nitroso-di-n-butylamine	NELAP	PA	8/24/2005
EPA 8270	Naphthalene	NELAP	PA	4/7/2005
EPA 8270	Nitrobenzene	NELAP	PA	4/7/2005
EPA 8270	Pyridine	NELAP	PA	4/18/2006
EPA 8270	o-Toluidine	NELAP	PA	8/24/2005
EPA 8270 SIM	2 4-Dichlorophenol	NELAP	PA	4/8/2008
EPA 8270 SIM	2-Chloronaphthalene	NELAP	PA	4/8/2008
EPA 8270 SIM	2-Methylnaphthalene	NELAP	PA	4/8/2008
EPA 8270 SIM	3 3'-Dichlorobenzidine	NELAP	PA	4/8/2008

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State Laboratory ID: 2-00416 **EPA Lab Code: PA00164** **(412) 963-7058**

TestAmerica Pittsburgh
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Pittsburgh, PA 15238

Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8270 SIM	Acenaphthene	NELAP	PA	4/8/2008
EPA 8270 SIM	Acenaphthylene	NELAP	PA	4/8/2008
EPA 8270 SIM	Anthracene	NELAP	PA	4/8/2008
EPA 8270 SIM	Benzo(a)anthracene	NELAP	PA	4/8/2008
EPA 8270 SIM	Benzo(a)pyrene	NELAP	PA	4/8/2008
EPA 8270 SIM	Benzo(b)fluoranthene	NELAP	PA	4/8/2008
EPA 8270 SIM	Benzo(g h i)perylene	NELAP	PA	4/8/2008
EPA 8270 SIM	Benzo(k)fluoranthene	NELAP	PA	4/8/2008
EPA 8270 SIM	Carbazole	NELAP	PA	4/8/2008
EPA 8270 SIM	Chrysene	NELAP	PA	4/8/2008
EPA 8270 SIM	Dibenzo(a h)anthracene	NELAP	PA	4/8/2008
EPA 8270 SIM	Fluoranthene	NELAP	PA	4/8/2008
EPA 8270 SIM	Fluorene	NELAP	PA	4/8/2008
EPA 8270 SIM	Hexachlorobenzene	NELAP	PA	4/8/2008
EPA 8270 SIM	Indeno(1 2 3-cd)pyrene	NELAP	PA	4/8/2008
EPA 8270 SIM	N-Nitrosodi-n-propylamine	NELAP	PA	4/8/2008
EPA 8270 SIM	Pentachlorophenol (PCP)	NELAP	PA	4/8/2008
EPA 8270 SIM	Phenanthrene	NELAP	PA	4/8/2008
EPA 8270 SIM	Phenol	NELAP	PA	4/8/2008
EPA 8270 SIM	Pyrene	NELAP	PA	4/8/2008
EPA 8270 SIM	bis(2-Chloroethyl) ether	NELAP	PA	4/8/2008
EPA 8270 SIM	bis(2-Chloroisopropyl) ether	NELAP	PA	4/8/2008
EPA 8270 SIM	1,2-Dichlorobenzene (o-Dichlorobenzene)	NELAP	PA	4/8/2008
EPA 8270 SIM	1,3-Dichlorobenzene (m-Dichlorobenzene)	NELAP	PA	4/8/2008
EPA 8270 SIM	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	4/8/2008
EPA 8270 SIM	Hexachlorobutadiene	NELAP	PA	4/8/2008
EPA 8270 SIM	Naphthalene	NELAP	PA	4/8/2008
EPA 8270 SIM	Nitrobenzene	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	1,4-Oxathiane	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	1-Methylnaphthalene	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	2 2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	4/9/2009
EPA 8270 SIM-Extended	Benzothiazole	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	Dimethyl disulfide	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	p-Chlorophenylmethylsulfide	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	p-Chlorophenylmethylsulfone	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	p-Chlorophenylmethylsulfoxide	NELAP	PA	4/8/2008

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8270 SIM-Extended	1,4-Dithiane (Diethylene disulfide)	NELAP	PA	4/8/2008
EPA 8270 SIM-Extended	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	4/9/2009
EPA 8270-Extended	1,2,3,4-Tetrachlorobenzene	NELAP	PA	8/26/2006
EPA 8270-Extended	1,2,3,5-Tetrachlorobenzene	NELAP	PA	8/26/2006
EPA 8270-Extended	1,3,5-Trichlorobenzene	NELAP	PA	8/26/2006
EPA 8270-Extended	1,4-Phenylenediamine	NELAP	PA	12/5/2007
EPA 8270-Extended	1-Methylnaphthalene	NELAP	PA	4/9/2009
EPA 8270-Extended	2 2'-Oxybis(1-chloropropane) (bis(2-Chloro-1-methylethyl) ether)	NELAP	PA	4/18/2006
EPA 8270-Extended	2 3 5 6-Tetrachlorophenol	NELAP	PA	8/26/2006
EPA 8270-Extended	2 3-Dichlorophenol (Dichlorophenol)	NELAP	PA	12/5/2007
EPA 8270-Extended	2 5-Dichlorophenol	NELAP	PA	12/5/2007
EPA 8270-Extended	2,4,6-Tribromophenol	NELAP	PA	4/9/2009
EPA 8270-Extended	2-Phenylphenol	NELAP	PA	4/9/2009
EPA 8270-Extended	4-Chlorophenol	NELAP	PA	8/26/2006
EPA 8270-Extended	6-Methylchrysene	NELAP	PA	12/5/2007
EPA 8270-Extended	Benzaldehyde	NELAP	PA	8/26/2006
EPA 8270-Extended	Diallate-A	NELAP	PA	4/9/2009
EPA 8270-Extended	Indene	NELAP	PA	4/9/2009
EPA 8270-Extended	Octachlorocyclopentene (Perchlorocyclopentene)	NELAP	PA	12/5/2007
EPA 8270-Extended	Octachlorostyrene	NELAP	PA	12/5/2007
EPA 8270-Extended	alpha-Terpineol	NELAP	PA	4/9/2009
EPA 8270-Extended	bis(2-Hydroxyphenyl) methane (2 2'-Methylenediphenol)	NELAP	PA	12/5/2007
EPA 8270-Extended	bis(4-Hydroxyphenyl) methane	NELAP	PA	12/5/2007
EPA 8270-Extended	n-Octadecane	NELAP	PA	4/9/2009
EPA 8270-Extended	p-(Dimethylamino)azobenzene	NELAP	PA	4/9/2009
EPA 8270-Extended	p-Phenylenediamine	NELAP	PA	4/9/2009
EPA 8270-Extended	2 3 7 8-TCDD (Dioxin) (screen)	NELAP	PA	8/26/2006
EPA 8270-Extended	4-Nitrotoluene	NELAP	PA	8/26/2006
EPA 8270-Extended	Dibenz(a h)acridine	NELAP	PA	12/5/2007
EPA 8270-Extended	1,1'-Biphenyl (Biphenyl, Lemonene)	NELAP	PA	4/18/2006
EPA 8270-Extended	Atrazine	NELAP	PA	4/18/2006
EPA 8270-Extended	Caprolactam	NELAP	PA	4/18/2006
EPA 8270-Extended	Diallate-B	NELAP	PA	4/9/2009
EPA 8270-Extended	p-Chlorobenzilate (Ethyl 4 4'-dichlorobenzilate)	NELAP	PA	12/5/2007
EPA 8270-Extended	1,4-Dioxane (1,4-Diethyleneoxide)	NELAP	PA	8/24/2005

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 8270-Extended	Pentachloroethane	NELAP	PA	8/26/2006
EPA 8270C	SOCs by GC/MS	NELAP	PA	4/8/2009
EPA 8270D	SOCs by GC/MS	NELAP	PA	4/9/2009
EPA 8310	Acenaphthene	NELAP	PA	4/7/2005
EPA 8310	Acenaphthylene	NELAP	PA	4/7/2005
EPA 8310	Anthracene	NELAP	PA	4/7/2005
EPA 8310	Benzo(a)anthracene	NELAP	PA	4/7/2005
EPA 8310	Benzo(a)pyrene	NELAP	PA	4/7/2005
EPA 8310	Benzo(b)fluoranthene	NELAP	PA	4/7/2005
EPA 8310	Benzo(g h i)perylene	NELAP	PA	4/7/2005
EPA 8310	Benzo(k)fluoranthene	NELAP	PA	4/7/2005
EPA 8310	Chrysene	NELAP	PA	4/7/2005
EPA 8310	Dibenzo(a h)anthracene	NELAP	PA	4/7/2005
EPA 8310	Fluoranthene	NELAP	PA	4/7/2005
EPA 8310	Fluorene	NELAP	PA	4/7/2005
EPA 8310	Indeno(1 2 3-cd)pyrene	NELAP	PA	4/7/2005
EPA 8310	Phenanthrene	NELAP	PA	4/7/2005
EPA 8310	Pyrene	NELAP	PA	4/7/2005
EPA 8310	Naphthalene	NELAP	PA	4/7/2005
EPA 8310-Extended	1-Methylnaphthalene	NELAP	PA	8/26/2006
EPA 8310-Extended	2-Methylnaphthalene	NELAP	PA	8/26/2006
EPA 8310-Extended	Carbazole	NELAP	PA	8/26/2006
EPA 8310-Extended	Resorcinol	NELAP	PA	4/9/2009
EPA 9010B	Total cyanide	NELAP	PA	4/9/2009
EPA 9010C	Total cyanide	NELAP	PA	10/22/2007
EPA 9012	Total cyanide	NELAP	PA	4/7/2005
EPA 9012A	Total cyanide	NELAP	PA	4/9/2009
EPA 9012B	Total cyanide	NELAP	PA	4/9/2009
EPA 9013	Cyanide extraction for solids and oils	NELAP	PA	12/5/2007
EPA 9030B	Sulfide	NELAP	PA	4/7/2005
EPA 9034	Sulfide	NELAP	PA	4/7/2005
EPA 9040B	Corrosivity (pH)	NELAP	PA	4/18/2006
EPA 9040B	pH	NELAP	PA	4/7/2005
EPA 9040C	pH	NELAP	PA	4/9/2009
EPA 9041	pH	NELAP	PA	8/26/2006
EPA 9045C	pH	NELAP	PA	4/7/2005

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Method	Analyte	Accreditation Type	Primary	Effective Date
EPA 9045D	pH	NELAP	PA	4/9/2009
EPA 9056	Anions by IC	NELAP	PA	4/9/2009
EPA 9056	Bromide	NELAP	PA	8/26/2006
EPA 9056	Chloride	NELAP	PA	4/7/2005
EPA 9056	Fluoride	NELAP	PA	4/7/2005
EPA 9056	Nitrate	NELAP	PA	4/7/2005
EPA 9056	Nitrite	NELAP	PA	4/7/2005
EPA 9056	Orthophosphate as P	NELAP	PA	1/26/2009
EPA 9056	Sulfate	NELAP	PA	4/7/2005
EPA 9056	Total nitrate-nitrite	NELAP	PA	8/26/2006
EPA 9056A	Anions by IC	NELAP	PA	4/9/2009
EPA 9060	Total organic carbon (TOC)	NELAP	PA	4/7/2005
EPA 9065	Total phenolics	NELAP	PA	12/5/2007
EPA 9066	Total phenolics	NELAP	PA	4/7/2005
EPA 9070	Oil and Grease	NELAP	PA	4/4/2007
EPA 9071	Oil and Grease	NELAP	PA	12/5/2007
EPA 9071B	Oil and Grease	NELAP	PA	4/9/2009
EPA 9077	Total chlorine	NELAP	PA	4/9/2009
EPA 9095A	Paint filter liquids test	NELAP	PA	4/4/2007
EPA 9095B	Paint filter liquids test	NELAP	PA	4/9/2009
EPA AVS and SEM Procedure	Cadmium	NELAP	PA	5/4/2009
EPA AVS and SEM Procedure	Copper	NELAP	PA	5/4/2009
EPA AVS and SEM Procedure	Lead	NELAP	PA	5/4/2009
EPA AVS and SEM Procedure	Mercury	NELAP	PA	5/4/2009
EPA AVS and SEM Procedure	Nickel	NELAP	PA	5/4/2009
EPA AVS and SEM Procedure	Zinc	NELAP	PA	5/4/2009
EPA AVS and SEM Procedure	Acid volatile sulfide (AVS)	NELAP	PA	5/4/2009
EPA Lloyd Kahn Method	Total organic carbon (TOC)	NELAP	PA	9/27/2007
OIA 1677	Available (free) cyanide	NELAP	PA	4/18/2006
SM 2520 B	Salinity	NELAP	PA	4/8/2008
SM 2540 B	Residue-total	NELAP	PA	4/8/2008
SM 2540 G	Percent moisture in soil	NELAP	PA	4/13/2009
SM 2540 G	Residue-total	NELAP	PA	12/5/2007
SM 5310 B	Dissolved organic carbon (DOC)	NELAP	PA	4/9/2009
SM 5310 B	Total Inorganic Carbon	NELAP	PA	4/9/2009
TestAmerica Pittsburgh SOP PITT-OP-011	Percent Lipids	NELAP	PA	4/13/2009

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Program Solid and Chemical Materials

Method	Analyte	Accreditation Type	Primary	Effective Date
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	1,1,1-Trichloroethane	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	1,4-Dichlorobenzene (p-Dichlorobenzene)	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	4-Bromochlorobenzene	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Methanol	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Methylene chloride (Dichloromethane)	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Tetrachloroethene (PCE, Perchloroethylene)	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Trichloroethene (TCE, Trichloroethylene)	NELAP	PA	4/13/2009
TestAmerica Pittsburgh SOP PT-GC-001 (EPA 8015 Modified)	Triethylamine	NELAP	PA	4/13/2009
Walkley Black	Total organic carbon (TOC)	NELAP	PA	4/8/2008

ARCADIS

Vista Analytical Laboratory

NELAP - RECOGNIZED

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF NELAP ACCREDITATION

Is hereby granted to

VISTA ANALYTICAL LABORATORY

1104 WINDFIELD WAY

EL DORADO HILLS, CA 95762

Scope of the Certificate is limited to the
"NELAP Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on successful
ongoing participation in the program.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **02102CA**

Expiration Date: **01/31/2010**

Effective Date: **01/31/2009**

Richmond, California
subject to forfeiture or revocation

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM - NELAP RECOGNIZED

NELAP Fields of Accreditation

VISTA ANALYTICAL LABORATORY **Lab Phone** (916) 933-1520

1104 WINDFIELD WAY
EL DORADO HILLS, CA 95762

Certificate No: 02102CA Renew Date: 01/31/2010

105 - Semi-volatile Organic Chemistry of Drinking Water

105.230	000	EPA 1613	Dioxins
105.230	001	EPA 1613	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)

111 - Semi-volatile Organic Chemistry of Wastewater

111.090	001	EPA 613	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
111.111	000	EPA 1613B	Dioxins
111.111	001	EPA 1613B	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
111.111	002	EPA 1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)
111.111	003	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
111.111	004	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
111.111	005	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)
111.111	006	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)
111.111	007	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)
111.111	008	EPA 1613B	2,3,7,8-Tetrachlorodibenzofuran (TCDF)
111.111	009	EPA 1613B	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)
111.111	010	EPA 1613B	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)
111.111	011	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)
111.111	012	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)
111.111	013	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)
111.111	014	EPA 1613B	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)
111.111	015	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)
111.111	016	EPA 1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)
111.111	017	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)
111.111	018	EPA 1613B	Total TCDD
111.111	019	EPA 1613B	Total PeCDD
111.111	020	EPA 1613B	Total HxCDD
111.111	021	EPA 1613B	Total HpCDD
111.111	022	EPA 1613B	Total TCDF
111.111	023	EPA 1613B	Total PeCDF
111.111	024	EPA 1613B	Total HxCDF
111.111	025	EPA 1613B	Total HpCDF

117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.120	000	EPA 8280A	Dioxins and Dibenzofurans
117.120	001	EPA 8280A	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)

As of 11/13/2008, this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

117.120	002	EPA 8280A	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)
117.120	003	EPA 8280A	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
117.120	004	EPA 8280A	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
117.120	005	EPA 8280A	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)
117.120	006	EPA 8280A	2,3,7,8-Tetrachlorodibenzofuran (TCDF)
117.120	007	EPA 8280A	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)
117.120	008	EPA 8280A	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)
117.120	009	EPA 8280A	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)
117.120	010	EPA 8280A	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)
117.120	011	EPA 8280A	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)
117.120	012	EPA 8280A	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)
117.120	013	EPA 8280A	Total TCDD
117.120	014	EPA 8280A	Total PeCDD
117.120	015	EPA 8280A	Total HxCDD
117.120	016	EPA 8280A	Total TCDF
117.120	017	EPA 8280A	Total PeCDF
117.120	018	EPA 8280A	Total HxCDF
117.120	019	EPA 8280A	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)
117.120	020	EPA 8280A	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)
117.120	021	EPA 8280A	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)
117.120	022	EPA 8280A	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)
117.120	023	EPA 8280A	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)
117.120	024	EPA 8280A	Total HpCDD
117.120	025	EPA 8280A	Total HpCDF
117.130	000	EPA 8290	Dioxins and Dibenzofurans
117.130	001	EPA 8290	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
117.130	002	EPA 8290	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)
117.130	003	EPA 8290	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
117.130	004	EPA 8290	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
117.130	005	EPA 8290	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)
117.130	006	EPA 8290	2,3,7,8-Tetrachlorodibenzofuran (TCDF)
117.130	007	EPA 8290	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)
117.130	008	EPA 8290	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)
117.130	009	EPA 8290	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)
117.130	010	EPA 8290	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)
117.130	011	EPA 8290	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)
117.130	012	EPA 8290	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)
117.130	013	EPA 8290	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)
117.130	014	EPA 8290	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)
117.130	015	EPA 8290	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)
117.130	016	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)

117.130	017	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)