FINAL SAMPLING TRIP REPORT

SITE NAME:	Standard Chlorine Jacobus
DC NO.:	RST 2-02-F-2237
TDD NO.:	TO-0027-0096
EPA SITE ID NO.:	NJN000206579
SAMPLING DATE:	January 22 and 23, 2013

1. Site Location: 107-113 Jacobus Avenue, Kearny, Hudson County, New Jersey (Refer to Attachment A, Figure 1, Site Location Map)

2. Sample Locations: Refer to Attachment A, Figures 3 and 4, Sample Location Maps for P001 and P002 and Attachment B, Table 1, Sample Collection Information Table

3. Introduction/Background:

In January 2013, the U.S. Environmental Protection Agency's (EPA) Removal Action Branch initiated a Removal Assessment at the Standard Chlorine Jacobus Site (the Site) to determine if the area contains elevated concentrations of dioxins, dichlorobenzene, and naphthalene. In addition, the analytical data will assist EPA in determining if a Removal Action at the Site is warranted.

The New Jersey Department of Environmental Protection (NJDEP) requested the EPA to conduct a Removal Assessment at the Site, currently MAC Products, and the Melon Leasing property (refer to Attachment A, Figure 2, Property Boundary Map). Historical aerial photos show the presence of an above ground lagoon located along the property boundaries of the two properties. With an understanding of other Standard Chlorine operations in New Jersey and Delaware, there is a potential that the lagoon held dioxin contaminated liquids. The lagoon, and a majority of the Standard Chlorine tanks, was removed/dismantled by the mid-1960s. A spill occurred at the Melon Leasing property in 1986 which required the sampling of soils near a QA dock. Results indicated the presence of dioxins and furans. However, no direction for remediation or cleanup was given at the time. A Preliminary Assessment/Site Investigation was conducted at the Site in 2000. In 2006, a contractor for Melon Leasing presented a Work Plan for further investigation. Under direction from the NJDEP, Melon Leasing has been collecting and analyzing soil and groundwater samples from the Melon Leasing property since 2007. Results indicate high levels of dioxins, as well as dichlorobenzene and naphthalene. Sampling performed by a Melon Leasing contractor ceased in 2010. NJDEP has been working with the Melon Leasing contractor to perform specific sampling for delineation of contamination.

The Melon Leasing property is mostly paved with millings and contains no areas of surface soil. Groundwater appears to be moving away from the Passaic River. The sole users of the Melon Leasing property are truck drivers that drop-off and pick-up tractor trailers. The MAC Products facility is asphalt paved, with the exception of the northeastern boundary, which is exposed soil. Operations at the MAC Products facility continue for 6 days a week and include manufacturing a variety of products for the utility industry.

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4. Removal Assessment Summary:

On January 22 and 23, 2013, Weston Solutions, Inc., Removal Support Team 2 (RST 2) mobilized to the Site to conduct Removal Assessment sampling activities. As part of the Removal Assessment sampling event, RST 2 was tasked with the collection of soil samples from the two properties comprising the Site (MAC Products and Melon Leasing). The two properties were assigned unique identification numbers referred to by RST 2 as P001 (MAC Products) and P002 (Melon Leasing). On January 22, 2013, RST 2 mobilized to the MAC Products property and collected six grab soil samples (P001-S001 through P001-S005), including one field duplicate, from the surface to 2 inches below ground surface (bgs). On January 23, 2013, RST 2 mobilized to the Melon Leasing property and collected five 5-point composite surface-millings dust samples (P002-S001 through P002-S005), including one field duplicate, and one grab soil sample (P002-S006). The composited surface-millings dust samples were collected from an approximately 43,750 square foot area which was divided into five separate sections. All sample locations were identified by the EPA On-Scene Coordinator (OSC). All samples collected from the MAC Products and Melon Leasing properties were to be analyzed for target compound list (TCL) semivolatile organic compounds (SVOCs) and dioxins.

5. Sampling Methodology:

P001 – MAC Products Property: For the six grab soil samples collected from the MAC Products property, RST 2 used separate chisels, hammers and stainless-steel shovels to directly collect soil from the surface to 2 inches bgs. Samples were sifted to remove rocks, clumps and debris, homogenized, and transferred to two separate designated 8-ounce jars, one for the analysis of TCL SVOCs and one for the analysis of dioxins. One rinsate blank sample was collected from the non-dedicated sampling equipment utilized to collect the samples from the MAC Products property to determine the effectiveness of the equipment decontamination procedure and to prevent cross contamination between sample locations. All samples were collected according to the EPA Environmental Response Team (ERT) Standard Operating Procedure (SOP) Nos: 2001, 2006, and 2012.

On January 23, 2013, the TCL SVOC fraction of the soil and rinsate blank samples were shipped by RST 2 to a Contract Laboratory Program (CLP) laboratory, KAP Technologies, Inc., located in The Woodlands, Texas for analysis. On February 6, 2013, once the CLP lab assignment was completed, the dioxin fraction of the samples was shipped to a CLP laboratory, Cape Fear Analytical, LLC, located in Wilmington, North Carolina for analysis.

P002 – Melon Leasing Property: Due to the cold weather conditions and the partially frozen soil, RST 2 utilized pick axes, chisels and hammers to break up the compacted soil surface and collect soil to 2 inches bgs for the composited surface-millings dust samples collected from the approximately 43,750 square foot area on the Melon Leasing property. Samples from 5-points within each area were sifted to remove rocks, clumps and debris and then compiled and

homogenized. The homogenized samples were transferred to two separate designated 8-ounce jars, one for the analysis of TCL SVOCs and one for the analysis of dioxins. The one grab soil sample collected from the property was collected in the same manner as described above. One rinsate blank sample was collected from the non-dedicated sampling equipment utilized to collect the samples from the Melon Leasing property to determine the effectiveness of the equipment decontamination procedure and to prevent cross contamination between sample locations. All samples were collected according to the EPA ERT SOP Nos: 2001, 2006, and 2012.

On January 23, 2013, the TCL SVOC fraction of the soil and rinsate blank samples were shipped by RST 2 to a CLP laboratory, KAP Technologies, Inc., located in The Woodlands, Texas for analysis. On February 6, 2013, once the CLP lab assignment was completed, the dioxin fraction of the samples was shipped to a CLP laboratory, Cape Fear Analytical, LLC, located in Wilmington, North Carolina for analysis.

6. Laboratories Receiving Samples:

Sample Matrix	Sample Quantity	Analyses	Laboratory
Soil and Rinsate Blanks	13	TCL SVOCs	KAP Technologies, Inc. 9391 Grogans Mill Rd., Suite A2 The Woodlands, TX 77380 (CLP Case No. 43255)
	13	Dioxins	Cape Fear Analytical, LLC 3306 Kitty Hawk Rd., Suite 120 Wilmington, NC 28405 (CLP Case No. 43255)

TCL = Target Compound List
SVOCs = Semivolatile Organic Compounds
CLP = Contact Laboratory Program

7. Personnel On-Site:

Name	Representing	Duties
Keith Glenn	EPA OSC, Region II	EPA On-Scene Coordinator
Brittney Kelly	RST 2, Region II	Site Project Manager, Sample Collection, Sample Management, Site Health and Safety
Maria Markoudakis	RST 2, Region II	Sample Collection
Lionel Montanez	RST 2, Region II	Sample Collection

8. Sample Dispatch Data:

On January 23, 2013, RST 2 shipped 13 soil samples, including two field duplicates, and two rinsate blank samples to the KAP Technologies, Inc. laboratory for TCL SVOC analysis under Chain of Custody Record Number: 2-012313-164543-0001 and FedEx Airbill No.: 875094866249.

On February 6, 2013, RST 2 shipped 13 soil samples, including two field duplicates, and two rinsate blank samples to the Cape Fear Analytical, LLC laboratory for dioxin analysis under Chain of Custody Record Number: 2-020413-132718-0002 and FedEx Airbill No.: 800711883110. Due to a delay in CLP laboratory assignment for the analysis of dioxins, all dioxin samples were packed and held in the EPA Division of Environmental Science and Assessment (DESA) laboratory cooler until shipment was complete.

For reference purposes of this report, Attachment A contains Figure 1: Site Location Map, Figure 2: Property Boundary Map, Figure 3: Sample Location Map (P001 – MAC Products), and Figure 4: Sample Location Map (P002 – Melon Leasing); Attachment B contains Table 1: Sample Collection Information Table, Table 2: TCL SVOC Validated Analytical Data Summary Table, and Table 3: Dioxin Validated Analytical Data Summary Table; Attachment C contains the Chain of Custody Records and FedEx Airbills; Attachment D contains the Photographic Documentation; and Attachment E contains the Validated Analytical Data.

Report Prepared By: _____ Date 4/4/13
for Brittney Kelly
Site Project Manager, RST 2

Report Reviewed By: _____ Date 4/4/13
Timothy Benton
Operations Leader, RST 2

ATTACHMENT A

Figure 1: Site Location Map

Figure 2: Property Boundary Map

Figure 3: Sample Location Map (P001 - Mac Products)

Figure 4: Sample Location Map (P002 - Melon Leasing)

Legend

Site Location

0 0.05 0.1 0.2 0.3 0.4 Miles

N

Weston Solutions, Inc.
Northeast Division

In Association With
H & S Environmental, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 1
Site Location Map

Standard Chlorine Jacobus Site
Kearny, New Jersey

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED: 1/8/2013

GIS ANALYST:	T. BENTON
EPA OSC:	K. GLENN
RST SPM:	B. KELLY
FILENAME:	SITEMAP.MXD

Legend

Site Boundary (Approximate)

200 100 0 200

Graphic Scale In Feet

N

Weston Solutions, Inc.
Northeast Division

In Association With
H & S Environmental, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 2:
Property Boundary Map

Standard Chlorine Jacobus Site
Kearny, New Jersey

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED: 3/28/2013

GIS ANALYST:	P. LISICHENKO
EPA OSC:	K. GLENN
RST SPM:	B. KELLY
FILENAME:	SC_SampleLocations_2013_01_23_P002.mxd

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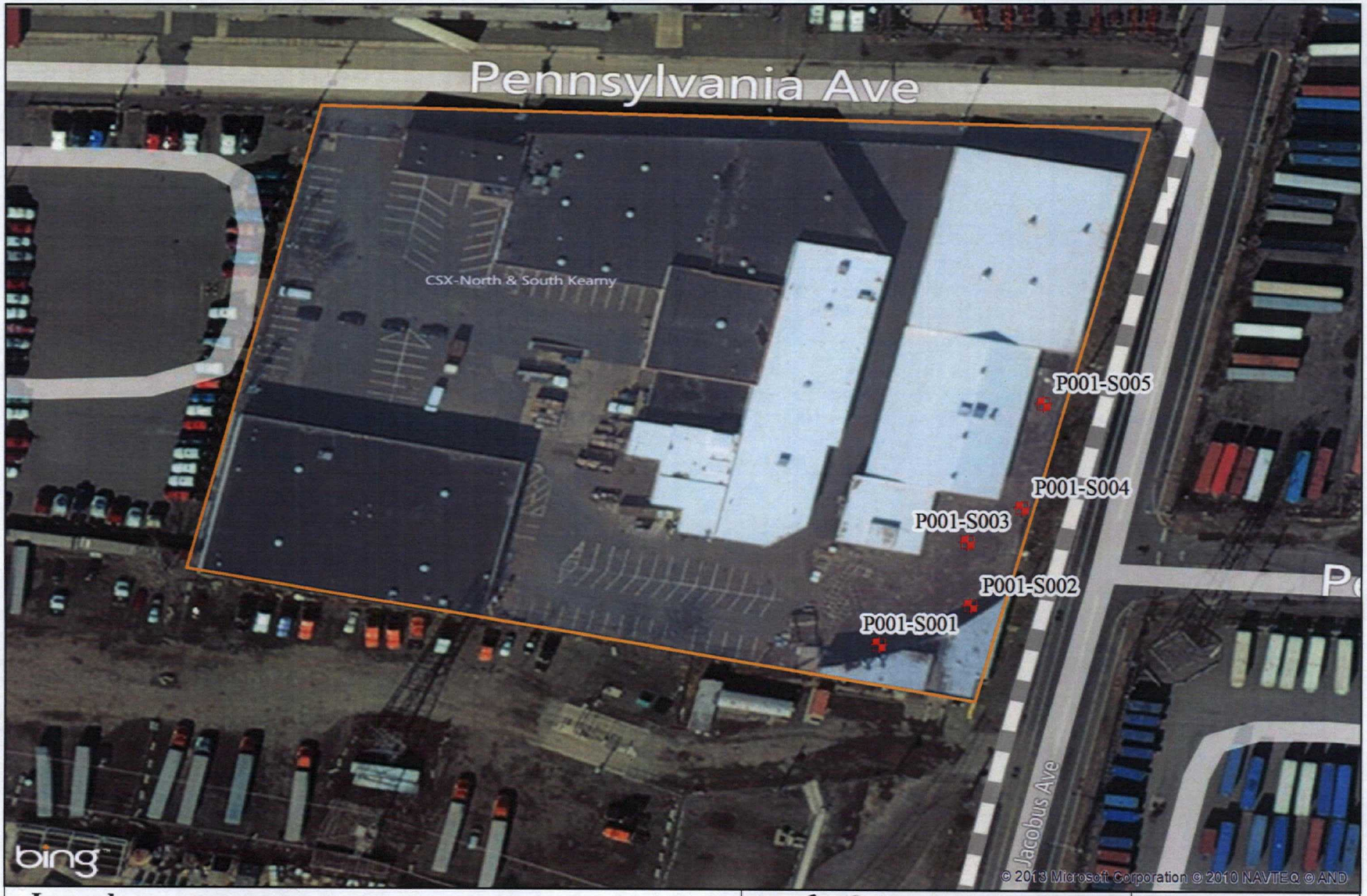

Legend

Soil Sample Location

Site Boundary (Approximate)

100 50 0 100

Graphic Scale In Feet

N

Weston Solutions, Inc.
Northeast Division

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H & S Environmental, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 3: Sample Location Map (P001 - MAC Products)

Standard Chlorine Jacobus
Kearny, New Jersey

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

GIS ANALYST:	P. LISICHENKO
EPA OSC:	K. GLENN
RST SPM:	B. KELLY
FILENAME:	SC_SampleLocations_2013_01_23_P002.mxd

DATE MODIFIED: 1/31/2013

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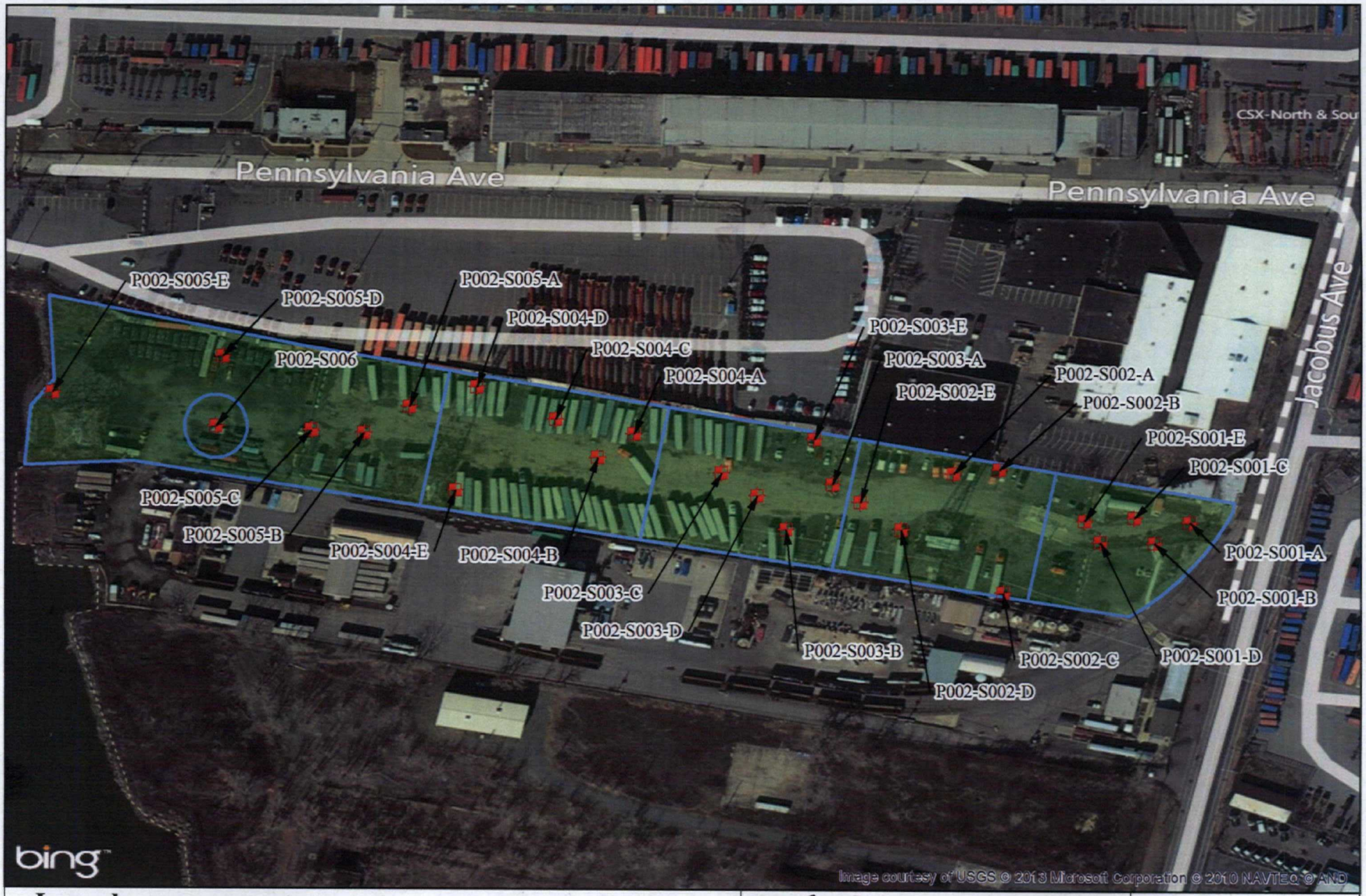

Legend

Soil Sample Location

Composite Sample Boundary

200 100 0 200

Graphic Scale In Feet

N

Weston Solutions, Inc.
Northeast Division

In Association With
H & S Environmental, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 4: Sample Location Map (P002 - Melon Leasing)

Standard Chlorine Jacobus
Kearny, New Jersey

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED: 3/28/2013

GIS ANALYST:	P. LISICHENKO
EPA OSC:	K. GLENN
RST SPM:	B. KELLY
FILENAME:	SC_SampleLocations_2013_01_23_P002.mxd

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ATTACHMENT B

Table 1: Sample Collection Information Table

Table 2: TCL SVOC Validated Analytical Summary Table

Table 3: Dioxin Validated Analytical Summary Table

Table 1: Sample Collection Information Table
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Sample ID	Sample Location	CLP ID	Depth (ft)	Sample Date	Sample Time	Matrix	Collection	Sample Type	Container Type	Analysis	Preservative
P001-S001-0002-001	P001-S001	BAQC1	00-02	1/22/2013	10:05	Soil	Grab	FS	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P001-S002-0002-001	P001-S002	BAQC2	00-02	1/22/2013	11:15	Soil	Grab	FS	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P001-S003-0002-001	P001-S003	BAQC3	00-02	1/22/2013	11:20	Soil	Grab	MS/MSD	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P001-S003-0002-002	P001-S003	BAQC4	00-02	1/22/2013	11:20	Soil	Grab	FD	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P001-S004-0002-001	P001-S004	BAQC5	00-02	1/22/2013	11:30	Soil	Grab	FS	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P001-S005-0002-001	P001-S004	BAQC6	00-02	1/22/2013	11:40	Soil	Grab	FS	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P002-S001-0002-001	P002-S001	BAQC7	00-02	1/23/2013	12:00	Soil	5-Point Composite	MS/MSD	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P002-S001-0002-002	P002-S001	BAQC8	00-02	1/23/2013	12:00	Soil	5-Point Composite	FD	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P002-S002-0002-001	P002-S002	BAQC9	00-02	1/23/2013	12:30	Soil	5-Point Composite	FS	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P002-S003-0002-001	P002-S003	BAQD0	00-02	1/23/2013	13:00	Soil	5-Point Composite	FS	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P002-S004-0002-001	P002-S004	BAQD1	00-02	1/23/2013	13:30	Soil	5-Point Composite	FS	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P002-S005-0002-001	P002-S005	BAQD2	00-02	1/23/2013	14:30	Soil	5-Point Composite	FS	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
P002-S006-0002-001	P002-S006	BAQD3	00-02	1/23/2013	15:00	Soil	Grab	FS	8 oz Glass Jar	TCL SVOCs, Dioxins	4 C
RB-012213	NA	BAQD4	NA	1/22/2013	15:00	Water	Grab	Rinsate Blank	1 Liter Poly Bottle	TCL SVOCs, Dioxins	4 C
RB-012213	NA	BAQD5	NA	1/23/2013	14:30	Water	Grab	Rinsate Blank	1 Liter Poly Bottle	TCL SVOCs, Dioxins	4 C

FS = Field Sample
FD = Field Duplicate
MS/MSD = Matric Spike/Matric Spike Duplicate
TCL = Target Compound List
SVOC = Semivolatile Organic Compound
C - Degrees Celsius

Table 2: TCL SVOC Validated Analytical Data Summary Table
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

RST 2 Sample ID	P001-S001-0002-001		P001-S002-0002-001		P001-S003-0002-001		P001-S003-0002-002		P001-S004-0002-001		P001-S005-0002-001	
CLP Sample ID	BAQC1		BAQC2		BAQC3		BAQC4		BAQC5		BAQC6	
Date Sampled	1/22/2013		1/22/2013		1/22/2013		1/22/2013		1/22/2013		1/22/2013	
TCL Semivolatile Organic Compound (SVOC)	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit
Benzaldehyde	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Phenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Bis(2-chloroethyl)ether	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2-Chlorophenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2-Methylphenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2,2'-Oxybis(1-chloropropane)	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Acetophenone	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
4-Methylphenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
N-Nitroso-di-n-propylamine	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Hexachloroethane	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Nitrobenzene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Isophorone	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2-Nitrophenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2,4-Dimethylphenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Bis(2-chloroethoxy)methane	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2,4-Dichlorophenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Naphthalene	ND	190	**140 J**	190	ND	200	ND	200	ND	180	ND	210
4-Chloroaniline	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Hexachlorobutadiene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Caprolactam	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
4-Chloro-3-methylphenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2-Methylnaphthalene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Hexachlorocyclopentadiene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2,4,6-Trichlorophenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2,4,5-Trichlorophenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
1,1'-Biphenyl	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2-Chloronaphthalene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2-Nitroaniline	ND	370	ND	370	ND	390	ND	390	ND	350	ND	400
Dimethylphthalate	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2,6-Dinitrotoluene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Acenaphthylene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
3-Nitroaniline	ND	370	ND	370	ND	390	ND	390	ND	350	ND	400
Acenaphthene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2,4-Dinitrophenol	ND	370	ND	370	ND	390	ND	390	ND	350	ND	400
4-Nitrophenol	ND	370	ND	370	ND	390	ND	390	ND	350	ND	400
Dibenzofuran	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
2,4-Dinitrotoluene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Diethylphthalate	**170 J**	190	ND	190	**89 J**	200	ND	200	ND	180	ND	210
Fluorene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
4-Chlorophenyl-phenylether	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
4-Nitroaniline	ND	370	ND	370	ND	390	ND	390	ND	350	ND	400
4,6-Dinitro-2-methylphenol	ND	370	ND	370	ND	390	ND	390	ND	350	ND	400
N-Nitrosodiphenylamine	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
1,2,4,5-Tetrachlorobenzene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
4-Bromophenyl-phenylether	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Hexachlorobenzene	**1500**	190	**430**	190	**170 J**	200	**140 J**	200	**160 J**	180	**1300**	210
Atrazine	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Pentachlorophenol	ND	370	ND	370	ND	390	ND	390	ND	350	ND	400
Phenanthrene	**76 J**	190	**130 J**	190	ND	200	ND	200	ND	180	ND	210
Anthracene	ND	190	**250**	190	ND	200	ND	200	ND	180	ND	210
Carbazole	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Di-n-butylphthalate	**130 J**	190	ND	190	**81 J**	200	**87 J**	200	**79 J**	180	**110 J**	210
Fluoranthene	**140 J**	190	**340**	190	ND	200	ND	200	**79 J**	180	**160 J**	210
Pyrene	**130 J**	190	**310**	190	ND	200	ND	200	ND	180	**140 J**	210
Butylbenzylphthalate	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
3,3'-Dichlorobenzidine	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Benzo(a)anthracene	ND	190	**230**	190	ND	200	ND	200	ND	180	ND	210
Chrysene	**100 J**	190	**280**	190	ND	200	ND	200	ND	180	**130 J**	210
Bis(2-ethylhexyl)phthalate	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Di-n-octylphthalate	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Benzo(b)fluoranthene	**83 J**	190	**310**	190	ND	200	ND	200	ND	180	**110 J**	210
Benzo(k)fluoranthene	**78 J**	190	**260**	190	ND	200	ND	200	ND	180	**89 J**	210
Benzo(a)pyrene	ND	190	**240**	190	ND	200	ND	200	ND	180	ND	210
Indeno(1,2,3-cd)pyrene	ND	190	**180 J**	190	ND	200	ND	200	ND	180	ND	210
Dibenzo(a,h)anthracene	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210
Benzo(g,h,i)perylene	ND	190	**190**	190	ND	200	ND	200	ND	180	ND	210
2,3,4,6-Tetrachlorophenol	ND	190	ND	190	ND	200	ND	200	ND	180	ND	210

ND = Non Detect

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL)

Table 2: TCL SVOC Validated Analytical Data Summary Table
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

RST 2 Sample ID	P002-S001-0002-001		P002-S001-0002-002		P002-S002-0002-001		P002-S003-0002-001		P002-S004-0002-001		P002-S005-0002-001	
CLP Sample ID	BAQC7		BAQC8		BAQC9		BAQD0		BAQD1		BAQD2	
Date Sampled	1/23/2013		1/23/2013		1/23/2013		1/23/2013		1/23/2013		1/23/2013	
TCL Semivolatile Organic Compound (SVOC)	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit	Result (µg/kg)	Detection Limit
Benzaldehyde	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Phenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Bis(2-chloroethyl)ether	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2-Chlorophenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2-Methylphenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2,2'-Oxybis(1-chloropropane)	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Acetophenone	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
4-Methylphenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
N-Nitroso-di-n-propylamine	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Hexachloroethane	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Nitrobenzene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Isophorone	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2-Nitrophenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2,4-Dimethylphenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Bis(2-chloroethoxy)methane	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2,4-Dichlorophenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Naphthalene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
4-Chloroaniline	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Hexachlorobutadiene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Caprolactam	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
4-Chloro-3-methylphenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2-Methylnaphthalene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Hexachlorocyclopentadiene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2,4,6-Trichlorophenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2,4,5-Trichlorophenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
1,1'-Biphenyl	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2-Chloronaphthalene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2-Nitroaniline	ND	350	ND	350	ND	340	ND	380	ND	360	ND	370
Dimethylphthalate	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2,6-Dinitrotoluene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Acenaphthylene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
3-Nitroaniline	ND	350	ND	350	ND	340	ND	380	ND	360	ND	370
Acenaphthene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2,4-Dinitrophenol	ND	350	ND	350	ND	340	ND	380	ND	360	ND	370
4-Nitrophenol	ND	350	ND	350	ND	340	ND	380	ND	360	ND	370
Dibenzofuran	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2,4-Dinitrotoluene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Diethylphthalate	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Fluorene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
4-Chlorophenyl-phenylether	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
4-Nitroaniline	ND	350	ND	350	ND	340	ND	380	ND	360	ND	370
4,6-Dinitro-2-methylphenol	ND	350	ND	350	ND	340	ND	380	ND	360	ND	370
N-Nitrosodiphenylamine	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
1,2,4,5-Tetrachlorobenzene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
4-Bromophenyl-phenylether	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Hexachlorobenzene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Atrazine	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Pentachlorophenol	ND	350	ND	350	ND	340	ND	380	ND	360	ND	370
Phenanthrene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Anthracene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Carbazole	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Di-n-butylphthalate	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Fluoranthene	ND	180	ND	180	ND	180	**100 J**	200	**110 J**	180	**130 J**	190
Pyrene	ND	180	ND	180	ND	180	**93 J**	200	**100 J**	180	**110 J**	190
Butylbenzylphthalate	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
3,3'-Dichlorobenzidine	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Benzo(a)anthracene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Chrysene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Bis(2-ethylhexyl)phthalate	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Di-n-octylphthalate	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Benzo(b)fluoranthene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Benzo(k)fluoranthene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Benzo(a)pyrene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Indeno(1,2,3-cd)pyrene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Dibenzo(a,h)anthracene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
Benzo(g,h,i)perylene	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190
2,3,4,6-Tetrachlorophenol	ND	180	ND	180	ND	180	ND	200	ND	180	ND	190

ND = Non Detect

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL)

Table 2: TCL SVOC Validated Analytical Data Summary Table
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

RST 2 Sample ID	P002-S006-0002-001		RB-012213		RB-012313	
CLP Sample ID	BAQD3		BAQD4		BAQD5	
Date Sampled	1/23/2013		1/22/2013		1/23/2013	
TCL Semivolatile Organic Compound (SVOC)	Result (µg/kg)	Detection Limit	Result (µg/L)	Detection Limit	Result (µg/L)	Detection Limit
Benzaldehyde	ND	180	ND	5.0	ND	5.0
Phenol	ND	180	ND	5.0	ND	5.0
Bis(2-chloroethyl)ether	ND	180	ND	5.0	ND	5.0
2-Chlorophenol	ND	180	ND	5.0	ND	5.0
2-Methylphenol	ND	180	ND	5.0	ND	5.0
2,2'-Oxybis(1-chloropropane)	ND	180	ND	5.0	ND	5.0
Acetophenone	ND	180	ND	5.0	ND	5.0
4-Methylphenol	ND	180	ND	5.0	ND	5.0
N-Nitroso-di-n-propylamine	ND	180	ND	5.0	ND	5.0
Hexachloroethane	ND	180	ND	5.0	ND	5.0
Nitrobenzene	ND	180	ND	5.0	ND	5.0
Isophorone	ND	180	ND	5.0	ND	5.0
2-Nitrophenol	ND	180	ND	5.0	ND	5.0
2,4-Dimethylphenol	ND	180	ND	5.0	ND	5.0
Bis(2-chloroethoxy)methane	ND	180	ND	5.0	ND	5.0
2,4-Dichlorophenol	ND	180	ND	5.0	ND	5.0
Naphthalene	ND	180	ND	5.0	ND	5.0
4-Chloroaniline	ND	180	ND	5.0	ND	5.0
Hexachlorobutadiene	ND	180	ND	5.0	ND	5.0
Caprolactam	ND	180	ND	5.0	ND	5.0
4-Chloro-3-methylphenol	ND	180	ND	5.0	ND	5.0
2-Methylnaphthalene	ND	180	ND	5.0	ND	5.0
Hexachlorocyclopentadiene	ND	180	ND	5.0	ND	5.0
2,4,6-Trichlorophenol	ND	180	ND	5.0	ND	5.0
2,4,5-Trichlorophenol	ND	180	ND	5.0	ND	5.0
1,1'-Biphenyl	ND	180	ND	5.0	ND	5.0
2-Chloronaphthalene	ND	180	ND	5.0	ND	5.0
2-Nitroaniline	ND	340	ND	10	ND	10
Dimethylphthalate	ND	180	ND	5.0	ND	5.0
2,6-Dinitrotoluene	ND	180	ND	5.0	ND	5.0
Acenaphthylene	ND	180	ND	5.0	ND	5.0
3-Nitroaniline	ND	340	ND	10	ND	10
Acenaphthene	ND	180	ND	5.0	ND	5.0
2,4-Dinitrophenol	ND	340	ND	10	ND	10
4-Nitrophenol	ND	340	ND	10	ND	10
Dibenzofuran	ND	180	ND	5.0	ND	5.0
2,4-Dinitrotoluene	ND	180	ND	5.0	ND	5.0
Diethylphthalate	ND	180	ND	5.0	ND	5.0
Fluorene	ND	180	ND	5.0	ND	5.0
4-Chlorophenyl-phenylether	ND	180	ND	5.0	ND	5.0
4-Nitroaniline	ND	340	ND	10	ND	10
4,6-Dinitro-2-methylphenol	ND	340	ND	10	ND	10
N-Nitrosodiphenylamine	ND	180	ND	5.0	ND	5.0
1,2,4,5-Tetrachlorobenzene	ND	180	ND	5.0	ND	5.0
4-Bromophenyl-phenylether	ND	180	ND	5.0	ND	5.0
Hexachlorobenzene	ND	180	ND	5.0	ND	5.0
Atrazine	ND	180	ND	5.0	ND	5.0
Pentachlorophenol	ND	340	ND	10	ND	10
Phenanthrene	ND	180	ND	5.0	ND	5.0
Anthracene	ND	180	ND	5.0	ND	5.0
Carbazole	ND	180	ND	5.0	ND	5.0
Di-n-butylphthalate	ND	180	ND	5.0	ND	5.0
Fluoranthene	**84 J**	180	ND	5.0	ND	5.0
Pyrene	ND	180	ND	5.0	ND	5.0
Butylbenzylphthalate	ND	180	ND	5.0	ND	5.0
3,3'-Dichlorobenzidine	ND	180	ND	5.0	ND	5.0
Benzo(a)anthracene	ND	180	ND	5.0	ND	5.0
Chrysene	ND	180	ND	5.0	ND	5.0
Bis(2-ethylhexyl)phthalate	ND	180	**2.1 J**	5.0	ND	5.0
Di-n-octylphthalate	ND	180	ND	5.0	ND	5.0
Benzo(b)fluoranthene	ND	180	ND	5.0	ND	5.0
Benzo(k)fluoranthene	ND	180	ND	5.0	ND	5.0
Benzo(a)pyrene	ND	180	ND	5.0	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	180	ND	5.0	ND	5.0
Dibenzo(a,h)anthracene	ND	180	ND	5.0	ND	5.0
Benzo(g,h,i)perylene	ND	180	ND	5.0	ND	5.0
2,3,4,6-Tetrachlorophenol	ND	180	ND	5.0	ND	5.0

ND = Non Detect

J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL)

Table 3: Dioxin Validated Analytical Data Summary Table
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

RST 2 Sample ID	P001-S001-0002-001		P001-S002-0002-001		P001-S003-0002-001		P001-S003-0002-002		P001-S004-0002-001		P001-S005-0002-001	
CLP Sample ID	BAQC1		BAQC2		BAQC3		BAQC4		BAQC5		BAQC6	
Date Sampled	1/22/2013		1/22/2013		1/22/2013		1/22/2013		1/22/2013		1/22/2013	
Dioxin	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)
2,3,7,8-TCDD	101.0	9.24	119.0	5.92	56.10	8.92	69.90	10.40	54.40	10.80	80.90	8.42
1,2,3,7,8-PeCDD	156.0	46.20	227.0	29.60	101.0	44.60	129.0	52.00	101.0	54.20	143.0	42.10
1,2,3,4,7,8-HxCDD	112.0	46.20	178.0	29.60	76.30	44.60	98.30	52.00	69.50	54.20	94.30	42.10
1,2,3,6,7,8-HxCDD	195.0	46.20	337.0	29.60	145.0	44.60	168.0	52.00	134.0	54.20	174.0	42.10
1,2,3,7,8,9-HxCDD	121.0	46.20	177.0	29.60	92.50	44.60	103.0	52.00	83.80	54.20	114.0	42.10
1,2,3,4,6,7,8-HpCDD	1060	46.20	1680	29.60	769.0	44.60	901.0	52.00	679.0	54.20	1100	42.10
1,2,3,4,6,7,8,9-OCDD	5900	92.40	5550	59.20	3580	89.20	3860	104.0	3700	108.0	5630 EMPC	84.20
1,2,3,7,8-PeCDF	1490 EMPC	46.20	3380	29.60	1170 EMPC	44.60	1360 EMPC	52.00	1050 EMPC	54.20	1590	42.10
2,3,4,7,8-PeCDF	4660	46.20	8460	29.60	2890	44.60	3180	52.00	2560	54.20	3600	42.10
Total TCDD	2620	9.24	2960	5.92	1630	8.92	1800	10.40	1450	10.80	2530	8.42
Total PeCDD	2940	46.20	3430	29.60	1760	44.60	2140	52.00	1740	54.20	2680	42.10
Total HxCDD	3120	46.20	4490	29.60	2030	44.60	2440	52	1950	54.20	3160	42.10
Total HpCDD	2530	46.20	3870	29.60	1780	44.60	2050	52.00	1590	54.20	3100	42.10
Total TCDF	24400	9.24	39600	5.92	16600	8.92	17500	10.40	14400	10.80	22200	8.42
Total PeCDF	46300	46.20	84400	29.60	31500	44.60	34500	52.00	27800	54.20	41000	42.10
Total TEQ ND=0	6620	--	20300	--	4580	--	7996	--	5596	--	11250	--
TEQ WHO1998 Bird ND=0	10200	--	26700	--	6840	--	10500	--	7597	--	13800	--
TEQ WHO1998 Fish ND=0	7540	--	21900	--	5150	--	8597	--	6082	--	11700	--
2,3,7,8-TCDF	329.0	9.24	495.0	5.92	222.0	8.92	273.0	10.40	217.0	10.80	320.0	8.42
1,2,3,4,7,8-HxCDF	29100	924.0	108000	1480	20300	446.0	38700	520.0	26200	542.0	45300	842.0
1,2,3,6,7,8-HxCDF	5520 EMPC	924.0	18100	1480	4270	446.0	8580 EMPC	520.0	5850 EMPC	542.0	10200 EMPC	842.0
2,3,4,6,7,8-HxCDF	2110	924.0	4620	1480	1490	446.0	2910	520.0	1970	542.0	3510	842.0
1,2,3,7,8,9-HxCDF	684.0 J	924.0	1830	1480	412.0 J	446.0	826.0	520.0	614.0	542.0	915.0	842.0
1,2,3,4,6,7,8-HpCDF	102000	924.0	367000	1480	75800	446.0	151000	520.0	104000	542.0	332000	842.0
1,2,3,4,7,8,9-HpCDF	2620	924.0	7480	1480	1800	446.0	3410	520.0	2290	542.0	5780	842.0
1,2,3,4,6,7,8,9-OCDF	152000	1850	658000	2960	129000	892.0	274000	1040	188000	1080	1500000 J	1680
Total HxCDF	69400	924.0	215000	1480	48700	446.0	96100	520.0	63700	542.0	110000	842.0
Total HpCDF	115000	924.0	401000	1480	83400	446.0	165000	520.0	116000	542.0	355000	842.0

RST 2 Sample ID	P002-S001-0002-001		P002-S001-0002-002		P002-S002-0002-001		P002-S003-0002-001		P002-S004-0002-001		P002-S005-0002-001	
CLP Sample ID	BAQC7		BAQC8		BAQC9		BAQD0		BAQD1		BAQD2	
Date Sampled	1/23/2013		1/23/2013		1/23/2013		1/23/2013		1/23/2013		1/23/2013	
Dioxins	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)	Result (ng/kg)	Detection Limit (ng/kg)
2,3,7,8-TCDD	12.70	0.977	11.10	0.969	ND	9.00	2.94 J	9.03	3.96 J	8.28	9.63 J	10.60
1,2,3,7,8-PeCDD	16.10	4.88	13.60	4.84	1.75 JEMPC	45.00	3.65 J	45.10	2.24 JEMPC	41.40	10.80 J	53.10
1,2,3,4,7,8-HxCDD	11.00	4.88	10.80	4.84	ND	45.00	3.09 J	45.10	ND	41.40	9.61 J	53.10
1,2,3,6,7,8-HxCDD	23.60	4.88	21.90	4.84	3.91 JEMPC	45.00	5.80 JEMPC	45.10	5.98 J	41.40	24.50 J	53.10
1,2,3,7,8,9-HxCDD	10.20	4.88	9.95	4.84	ND	45.00	4.26 JEMPC	45.10	3.15 J	41.40	7.93 JEMPC	53.10
1,2,3,4,6,7,8-HpCDD	115.0	4.88	115.0	4.84	41.40 J	45.00	91.70	45.10	52.00	41.40	131.0	53.10
1,2,3,4,6,7,8,9-OCDD	632.0	9.77	603.0	9.69	395.0	90.00	1110	90.30	502.0	82.80	1010	106.0
1,2,3,7,8-PeCDF	232.0 EMPC	4.88	220.0 EMPC	4.84	19.20 J	45.00	25.60 J	45.10	33.20 J	41.40	184.0 EMPC	53.10
2,3,4,7,8-PeCDF	531.0	4.88	520.0	4.84	62.60	45.00	69.30	45.10	96.20	41.40	593.0	53.10
Total TCDD	245.0	0.977	236.0	0.969	9.85	9.00	19.70	9.03	25.00	8.28	117.0	10.60
Total PeCDD	326.0	4.88	290.0	4.84	19.10 J	45.00	36.30 J	45.10	32.30 J	41.40	157.0	53.10
Total HxCDD	324.0	4.88	308.0	4.84	29.20 J	45.00	62.80	45.10	48.50	41.40	204.0	53.10
Total HpCDD	315.0	4.88	310.0	4.84	95.20	45.00	205.0	45.10	123.0	41.40	315.0	53.10
Total TCDF	3180	0.977	3150	0.969	394.0	9.00	376.0	9.03	557.0	8.28	3070	10.60
Total PeCDF	6770	4.88	6610	4.84	667.0	45.00	778.0	45.10	1040	41.40	5960	53.10
Total TEQ ND=0	958.0	--	827.0	--	128.0	--	159.0	--	222.0	--	1245	--
TEQ WHO1998 Bird ND=0	1375	--	1240	--	181.0	--	214.0	--	296.0	--	1692	--
TEQ WHO1998 Fish ND=0	1062	--	929.0	--	144.0	--	173.0	--	240	--	1358	--
2,3,7,8-TCDF	41.80	0.977	44.70	0.969	6.32 JEMPC	9.00	7.40 J	9.03	7.07 J	8.28	33.20	10.60
1,2,3,4,7,8-HxCDF	4390	97.70	3630	96.90	572.0	45.00	698.0	45.10	1010	41.40	6020	53.10
1,2,3,6,7,8-HxCDF	873.0 EMPC	97.70	781.0 EMPC	96.90	126.0	45.00	151.0 EMPC	45.10	181.0 EMPC	41.40	1080 EMPC	53.10
2,3,4,6,7,8-HxCDF	279.0	97.70	216.0	96.90	54.00	45.00	60.60	45.10	73.50	41.40	385.0	53.10
1,2,3,7,8,9-HxCDF	84.60 J	97.70	73.70 J	96.90	17.00 J	45.00	17.10 J	45.10	25.30 J	41.40	145.0	53.10
1,2,3,4,6,7,8-HpCDF	17900	97.7	15000	96.90	2780	45.00	3410	45.10	5190	41.40	25400	266.0
1,2,3,4,7,8,9-HpCDF	379.0	97.70	296.0	96.90	53.40	45.00	75.20	45.10	91.80	41.40	395.0	266.0
1,2,3,4,6,7,8,9-OCDF	24100	195.0	21500	194.0	4140	90.00	5050	90.30	8290	82.80	41100	531.0
Total HxCDF	10500	97.70	8810	96.90	8810	96.90	1840	45.10	2540	41.40	14600	53.10
Total HpCDF	19700	97.70	16800	96.90	16800	96.90	3800	45.10	5720	41.40	27400	266.0

ND = Non Detect
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL)
EMPC = Estimated Maximum Possible Concentration
" -- " = Not Available

Table 3: Dioxin Validated Analytical Data Summary Table
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

RST 2 Sample ID	P002-S006-0002-001		RB-012213		RB-012313	
CLP Sample ID	BAQD3		BAQD4		BAQD5	
Date Sampled	1/23/2013		1/22/2013		1/23/2013	
Dioxins	Result (ng/kg)	Detection Limit (ng/kg)	Result (pg/L)	Detection Limit (pg/L)	Result (pg/L)	Detection Limit (pg/L)
2,3,7,8-TCDD	1.48	0.944	ND	11.00	ND	10.80
1,2,3,7,8-PeCDD	1.97 J	4.72	ND	55.20	ND	54.20
1,2,3,4,7,8-HxCDD	1.80 J	4.72	ND	55.20	ND	54.20
1,2,3,6,7,8-HxCDD	4.75	4.72	ND	55.20	ND	54.20
1,2,3,7,8,9-HxCDD	2.27 J	4.72	ND	55.20	ND	54.20
1,2,3,4,6,7,8-HpCDD	51.60	4.72	1.52 JEMPC	55.20	1.45 J	54.20
1,2,3,4,6,7,8,9-OCDD	393.0	9.44	8.08 J	110.0	12.90 J	108.0
1,2,3,7,8-PeCDF	75.50	4.72	ND	55.20	ND	54.20
2,3,4,7,8-PeCDF	126.0	4.72	ND	55.20	ND	54.20
Total TCDD	26.50	0.944	ND	11.00	ND	10.80
Total PeCDD	38.00	4.72	ND	55.20	ND	54.20
Total HxCDD	50.70	4.72	ND	55.20	ND	54.20
Total HpCDD	148.0	4.72	1.52 J	55.20	2.80 J	54.20
Total TCDF	456.0	0.944	ND	11.00	ND	10.80
Total PeCDF	1250	4.72	ND	55.20	0.412 J	54.20
Total TEQ ND=0	297	--	0.212	--	0.0225	--
TEQ WHO1998 Bird ND=0	398	--	6.70	--	6.03	--
TEQ WHO1998 Fish ND=0	324	--	4.99	--	4.46	--
2,3,7,8-TCDF	7.58	0.944	ND	11.00	ND	10.80
1,2,3,4,7,8-HxCDF	1440	47.20	1.55 J	55.20	ND	54.20
1,2,3,6,7,8-HxCDF	335.0 EMPC	47.20	ND	55.20	ND	54.20
2,3,4,6,7,8-HxCDF	102.0	47.20	ND	55.20	ND	54.20
1,2,3,7,8,9-HxCDF	19.50 JEMPC	47.20	ND	55.20	ND	54.20
1,2,3,4,6,7,8-HpCDF	6120	47.20	4.99 J	55.20	4.81 JEMPC	54.20
1,2,3,4,7,8,9-HpCDF	144.0	47.20	ND	55.20	ND	54.20
1,2,3,4,6,7,8,9-OCDF	3580	94.40	17.10 J	110.0	13.90 J	108.0
Total HxCDF	3330	47.20	2.61 J	55.20	ND	54.20
Total HpCDF	6800	47.20	4.99 J	55.20	6.91 J	54.20

ND = Non Detect
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL)
EMPC = Estimated Maximum Possible Concentration
" -- " = Not Available

ATTACHMENT C

Chain of Custody Records and FedEx Airbills

US EPA Region 2
DateShipped: 1/23/2013
CarrierName: FedEx
AirbillNo: 875094866249

CHAIN OF CUSTODY RECORD
CLP Case # 43255
Contact Name: Brittney Kelly
Contact Phone: 732-585-4449

No: 2-012313-164543-0001
Lab: KAP Technologies Inc.
Lab Contact: Rao Alsakani
Lab Phone: 281-367-0065

Lab #	Sample #	Location	CLP Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P001-S001-0002-001	S001	BAQC1	CLP TCL Semivolatiles	Soil	Grab	1/22/2013	10:05	1	8 oz glass jar	4 C	N
	P001-S002-0002-001	S002	BAQC2	CLP TCL Semivolatiles	Soil	Grab	1/22/2013	11:15	1	8 oz glass jar	4 C	N
	P001-S003-0002-001	S003	BAQC3	CLP TCL Semivolatiles	Soil	Grab	1/22/2013	11:20	2	8 oz glass jar	4 C	Y
	P001-S003-0002-002	S003	BAQC4	CLP TCL Semivolatiles	Soil	Grab	1/22/2013	11:20	1	8 oz glass jar	4 C	N
	P001-S004-0002-001	S004	BAQC5	CLP TCL Semivolatiles	Soil	Grab	1/22/2013	11:30	1	8 oz glass jar	4 C	N
	P001-S005-0002-001	S005	BAQC6	CLP TCL Semivolatiles	Soil	Grab	1/22/2013	11:40	1	8 oz glass jar	4 C	N
	P002-S001-0002-001	S001	BAQC7	CLP TCL Semivolatiles	Soil	Composite	1/23/2013	12:00	2	8 oz glass jar	4 C	Y
	P002-S001-0002-002	S001	BAQC8	CLP TCL Semivolatiles	Soil	Composite	1/23/2013	12:00	1	8 oz glass jar	4 C	N
	P002-S002-0002-001	S002	BAQC9	CLP TCL Semivolatiles	Soil	Composite	1/23/2013	12:30	1	8 oz glass jar	4 C	N
	P002-S003-0002-001	S003	BAQD0	CLP TCL Semivolatiles	Soil	Composite	1/23/2013	13:00	1	8 oz glass jar	4 C	N

Special Instructions: Note: No difference between the Amber and Clear colored jars for the soils samples. Please use Method of Analysis SOM01.2 with standard TAT. Please email results to s.sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.Thank you.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[signature]	1/23/13									

US EPA Region 2
DateShipped: 1/23/2013
CarrierName: FedEx
AirbillNo: 875094866249

CHAIN OF CUSTODY RECORD
CLP Case # 43255
Contact Name: Brittney Kelly
Contact Phone: 732-585-4449

No: 2-012313-164543-0001
Lab: KAP Technologies Inc.
Lab Contact: Rao Alsakani
Lab Phone: 281-367-0065

Lab #	Sample #	Location	CLP Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P002-S004-0002-001	S004	BAQD1	CLP TCL Semivolatiles	Soil	Composite	1/23/2013	13:30	1	8 oz glass jar	4 C	N
	P002-S005-0002-001	S005	BAQD2	CLP TCL Semivolatiles	Soil	Composite	1/23/2013	14:30	1	8 oz glass jar	4 C	N
	P002-S006-0002-001	S006	BAQD3	CLP TCL Semivolatiles	Soil	Grab	1/23/2013	15:00	1	8 oz glass jar	4 C	N
	RB-012213	NA	BAQD4	CLP TCL Semivolatiles	Water	Pour	1/22/2013	15:00	1	1 Liter Poly Bottle	4 C	N
	RB-012313	NA	BAQD5	CLP TCL Semivolatiles	Water	Pour	1/23/2013	14:30	1	1 Liter Poly Bottle	4 C	N

BD

Special Instructions: Note: No difference between the Amber and Clear colored jars for the soils samples. Please use Method of Analysis SOM01.2 with standard TAT. Please email results to s.sumbaly@westonsolutions.com and Brittney.Kelly@westonsolutions.com.Thank you.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[signature]	1/23/13									

US EPA Region 2
DateShipped: 2/4/2013
CarrierName: FedEx
AirbillNo: 800711883110

CHAIN OF CUSTODY RECORD
CLP Case # 43255
Contact Name: Brittney Kelly
Contact Phone: 908-914-5716

No: 2-020413-132718-0002
Lab: Cape Fear Analytical
Lab Contact: Chris Cornwell
Lab Phone: 910-795-0421

Lab #	Sample #	Location	CLP Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P001-S001-0002-001	P001-S001	BAQC1	CLP Dioxins	Soil	1/22/2013	10:05	1	8 oz glass jar	4 C	N
	P001-S002-0002-001	P001-S002	BAQC2	CLP Dioxins	Soil	1/22/2013	11:15	1	8 oz glass jar	4 C	N
	P001-S003-0002-001	P001-S003	BAQC3	CLP Dioxins	Soil	1/22/2013	11:20	2	8 oz glass jar	4 C	Y
	P001-S003-0002-002	P001-S003	BAQC4	CLP Dioxins	Soil	1/22/2013	11:20	1	8 oz glass jar	4 C	N
	P001-S004-0002-001	P001-S004	BAQC5	CLP Dioxins	Soil	1/22/2013	11:30	1	8 oz glass jar	4 C	N
	P001-S005-0002-001	P001-S005	BAQC6	CLP Dioxins	Soil	1/22/2013	11:40	1	8 oz glass jar	4 C	N
	P002-S001-0002-001	P002-S001	BAQC7	CLP Dioxins	Soil	1/23/2013	12:00	2	8 oz glass jar	4 C	Y
	P002-S001-0002-002	P002-S001	BAQC8	CLP Dioxins	Soil	1/23/2013	12:00	1	8 oz glass jar	4 C	N
	P002-S002-0002-001	P002-S002	BAQC9	CLP Dioxins	Soil	1/23/2013	12:30	1	8 oz glass jar	4 C	N
	P002-S003-0002-001	P002-S003	BAQD0	CLP Dioxins	Soil	1/23/2013	13:00	1	8 oz glass jar	4 C	N
	P002-S004-0002-001	P002-S004	BAQD1	CLP Dioxins	Soil	1/23/2013	13:30	1	8 oz glass jar	4 C	N

Special Instructions: Samples to be analyzed for mercury using DLM02.2 method with standard TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Samples for analysis	[signature]	2/6/13									

US EPA Region 2
DateShipped: 2/4/2013
CarrierName: FedEx
AirbillNo: 800711883110

CHAIN OF CUSTODY RECORD
CLP Case # 43255
Contact Name: Brittney Kelly
Contact Phone: 908-914-5716

No: 2-020413-132718-0002
Lab: Cape Fear Analytical
Lab Contact: Chris Comwell
Lab Phone: 910-795-0421

Lab #	Sample #	Location	CLP Sample #	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	P002-S005-0002-001	P002-S005	BAQD2	CLP Dioxins	Soil	1/23/2013	14:30	1	8 oz glass jar	4 C	N
	P002-S006-0002-001	P002-S006	BAQD3	CLP Dioxins	Soil	1/23/2013	15:00	1	8 oz glass jar	4 C	N
	RB-012213	NA	BAQD4	CLP Dioxins	Water	1/22/2013	15:00	1	1 Liter Amber Bottle	4 C	N
	RB-012313	NA	BAQD5	CLP Dioxins	Water	1/23/2013	14:30	1	1 Liter Amber Bottle	4 C	N

Special Instructions: Samples to be analyzed for mercury using DLM02.2 method with standard TAT.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All samples for analysis	[signature]	2/6/13									

edEx.

875094866249

Ship (P/U) date :
Wed 1/23/2013 6:11 pm
EDI US

Delivered
Signed for by: R.CHAVA

Actual delivery :
Thur 1/24/2013 10:15 am
SHE, TX US

Travel History

Date/Time	Activity	Location
- 1/24/2013 - Thursday		
10:15 am	Delivered	SHE, TX
7:43 am	On FedEx vehicle for delivery	HOUSTON, TX
7:07 am	At local FedEx facility	HOUSTON, TX
5:07 am	At destination sort facility	HOUSTON, TX
4:08 am	Departed FedEx location	INDIANAPOLIS, IN
12:45 am	Arrived at FedEx location	INDIANAPOLIS, IN
- 1/23/2013 - Wednesday		
10:50 pm	Departed FedEx location	NEWARK, NJ
8:33 pm	Arrived at FedEx location	NEWARK, NJ
8:09 pm	Left FedEx origin facility	EDISON, NJ
6:11 pm	Picked up	EDISON, NJ

Local Scan Time

Shipment Facts

Tracking number	875094866249	**Service**	FedEx Priority Overnight
Dimensions	24x14x14 in.	**Delivered To**	Shipping/Receiving
Total pieces	1	**Shipper reference**	20401 215 027 6107
Packaging	Your Packaging	**Special handling section**	Deliver Weekday

FedEx Express **NEW Package US Airbill**

FedEx Tracking Number 8007 1188 3110

Please print and press hard.

2/4/13

Sender's FedEx Account Number 4023-56103

Brittney Kelly

Phone ( )

Weston Solutions, Inc

1090 King George Post Rd Ste 201

Dept./Floor/Suite/Room

Edison

State NJ ZIP 08837

Internal Billing Reference

Chris Cornwell

Phone 910 795-0421

Cape Fear Analysis, LLC

3306 Kitty Hawk Rd

Dept./Floor/Suite/Room

Suite 120

Wilmington

State NC ZIP 28405

HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight. ☐

HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations. ☐

0200 Sender's Copy

4 Express Package Service *To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the other FedEx Express Freight US Airbill.

Next Business Day

- [x] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube [x] Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

[x] No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

[x] No

☐ Yes — As per attached Shipper's Declaration.

☐ Yes — Shipper's Declaration not required.

☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

☐ Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender — Acct. No. in Section 1 will be billed.

☐ Recipient

[x] Third Party

☐ Credit Card

☐ Cash/Check

FedEx Acct. No. / Credit Card No. 4023-56103

Exp. Date

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED

ATTACHMENT D

Photographic Documentation

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 1: An overview of the sampling location P001-S001 taken on 01/22/13 at 1005 hrs.

Photograph 2: An overview of the sampling location P001-S002 taken on 01/22/13 at 1115 hrs.

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 3: An overview of the sampling location P001-S003 taken on 01/22/13 at 1120 hrs.

Photograph 4: An overview of the sampling location P001-S004 taken on 01/22/13 at 1130 hrs

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 5: An overview of the sampling location P001-S005 taken on 01/22/13 at 1140 hrs.

Photograph 6: An overview of the composite sampling location P002-S002-A taken on 01/23/13.

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 7: An overview of the composite sampling location P002-S002-B taken on 01/23/13.

Photograph 8: An overview of the composite sampling location P002-S002-C taken on 1/23/13.

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 9: An overview of the composite sampling location P002-S002-D taken on 01/23/13.

Photograph 10: An overview of the composite sampling location P002-S002-E taken on 01/23/13.

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 11: An overview of the composite sampling location P002-S003-A taken on 01/23/13.

Photograph 12: An overview of the composite sampling location P002-S003-B taken on 01/23/13.

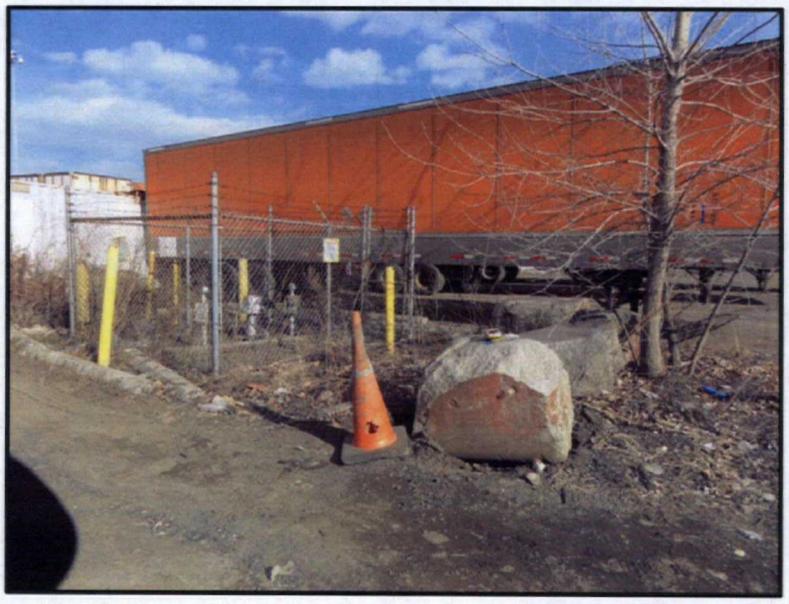
Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 13: An overview of the composite sampling location P002-S003-C taken on 01/23/13.

Photograph 14: An overview of the composite sampling location P002-S003-D taken on 01/23/13.

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 15: An overview of the composite sampling location P002-S003-E taken on 01/23/13.



Photograph 16: An overview of the composite sampling location P002-S004-A taken on 01/23/13.

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 17: An overview of the composite sampling location P002-S004-B taken on 01/23/13.

Photograph 18: An overview of the composite sampling location P002-S004-C taken on 01/23/13.

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 19: An overview of the composite sampling location P002-S004-D taken on 01/23/13.

Photograph 20: An overview of the composite sampling location P002-S004-E taken on 01/23/13.

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 21: An overview of the composite sampling location P002-S005-A taken on 01/23/13.

Photograph 22: An overview of the composite sampling location P002-S005-B taken on 01/23/13.

Photographic Documentation Log
Standard Chlorine Jacobus Site
Kearny, New Jersey
January 22 and 23, 2013

Photograph 23: An overview of the composite sampling location P002-S005-C taken on 01/23/13.

Photograph 24: An overview of the composite sampling location P002-S005-E taken on 01/23/13.

ATTACHMENT E

Validated Analytical Data

Sample Summary Report

Case No:	43255	Contract:	EPW11031	SDG No:	BAQC1	Lab Code:	KAP
Sample Number:	BAQC1	Method:	BNA	Matrix:	SOIL	MA Number:	DEFAULT
Sample Location:	P001-S001-0002-001	pH:	7.9	Sample Date:	01/22/2013	Sample Time:	10:05:00
% Moisture :	12			% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	190	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	190	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	190	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	190	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	190	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	190	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Chloronaphthalene	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitroaniline	370	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	190	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	190	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	370	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	370	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	370	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	190	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	170	UG/KG	1.0	J	J	Yes	S3VEM
Fluorene	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	370	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	370	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	190	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	1500	UG/KG	1.0			Yes	S3VEM
Atrazine	190	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	370	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	76	UG/KG	1.0	J	J	Yes	S3VEM
Anthracene	190	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	190	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	130	UG/KG	1.0	J	J	Yes	S3VEM
Fluoranthene	140	UG/KG	1.0	J	J	Yes	S3VEM
Pyrene	130	UG/KG	1.0	J	J	Yes	S3VEM
Butylbenzylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	190	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Chrysene	100	UG/KG	1.0	J	J	Yes	S3VEM
Bis(2-ethylhexyl)phthalate	190	UG/KG	1.0		U	Yes	S3VEM
Di-n-octylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	83	UG/KG	1.0	J	J	Yes	S3VEM
Benzo(k)fluoranthene	78	UG/KG	1.0	J	J	Yes	S3VEM
Benzo(a)pyrene	190	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	190	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	190	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran, octachloro-	510	UG/KG	1.0	NJ	NJ	Yes	S3VEM
n-Hexadecanoic acid	800	UG/KG	1.0	NJ	NJ	Yes	S3VEM
Total Alkanes	2500	UG/KG	1.0	J	J	Yes	S3VEM
1-Docosanethiol	650	UG/KG	1.0	NJ	NJ	Yes	S3VEM
Ethanol, 2-butoxy-, phosphate (3:1)	610	UG/KG	1.0	NJ	NJ	Yes	S3VEM
Ethanol, 2-(9-octadecenyloxy)-, (Z)-	630	UG/KG	1.0	NJ	NJ	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP

Sample Number:	BAQC2	Method:	BNA	Matrix:	SOIL	MA Number:	DEFAULT
Sample Location:	P001-S002-0002-001	pH:	8.3	Sample Date:	01/22/2013	Sample Time:	11:15:00
% Moisture :	12			% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	190	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	190	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	190	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	190	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	140	UG/KG	1.0	J	J	Yes	S3VEM
4-Chloroaniline	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	190	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	190	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	370	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	190	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	190	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	370	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	370	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	370	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	190	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	370	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	370	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	190	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	430	UG/KG	1.0			Yes	S3VEM
Atrazine	190	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	370	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	130	UG/KG	1.0	J	J	Yes	S3VEM
Anthracene	250	UG/KG	1.0			Yes	S3VEM
Carbazole	190	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
Fluoranthene	340	UG/KG	1.0			Yes	S3VEM
Pyrene	310	UG/KG	1.0			Yes	S3VEM
Butylbenzylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	230	UG/KG	1.0			Yes	S3VEM
Chrysene	280	UG/KG	1.0			Yes	S3VEM
Bis(2-ethylhexyl)	190	UG/KG	1.0	J	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	190	UG/KG	1.0	J	U	Yes	S3VEM
Di-n-octylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	310	UG/KG	1.0			Yes	S3VEM
Benzo(k)fluoranthene	260	UG/KG	1.0			Yes	S3VEM
Benzo(a)pyrene	240	UG/KG	1.0			Yes	S3VEM
Indeno(1,2,3-cd)pyrene	180	UG/KG	1.0	J	J	Yes	S3VEM
Dibenzo(a,h)anthracene	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	190	UG/KG	1.0			Yes	S3VEM
2,3,4,6-Tetrachlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
3-Eicosene, (E)-	390	UG/KG	1.0	NJ	NJ	Yes	S3VEM
13-Docosenamide, (Z)-	420	UG/KG	1.0	NJ	NJ	Yes	S3VEM
n-Hexadecanoic acid	520	UG/KG	1.0	NJ	NJ	Yes	S3VEM
Total Alkanes	1800	UG/KG	1.0	J	J	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQC3	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P001-S003-0002-001	pH: 8.4	Sample Date: 01/22/2013	Sample Time: 11:20:00
% Moisture : 17		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	200	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	200	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	200	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	200	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	200	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	200	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	200	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	390	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	200	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	200	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	390	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	390	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	390	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	200	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	89	UG/KG	1.0	J	J	Yes	S3VEM
Fluorene	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	390	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	390	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	200	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	170	UG/KG	1.0	J	J	Yes	S3VEM
Atrazine	200	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	390	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	200	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	200	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	81	UG/KG	1.0	J	J	Yes	S3VEM
Fluoranthene	200	UG/KG	1.0	U	U	Yes	S3VEM
Pyrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	200	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	200	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	200	UG/KG	1.0	J	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	200	UG/KG	1.0	J	U	Yes	S3VEM
Di-n-octylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	200	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
n-Hexadecanoic acid	950	UG/KG	1.0	NJ	NJ	Yes	S3VEM
Total Alkanes	1100	UG/KG	1.0	J	J	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP

Sample Number:	BAQC4	Method:	BNA	Matrix:	SOIL	MA Number:	DEFAULT
Sample Location:	P001-S003-0002-002	pH:	8.2	Sample Date:	01/22/2013	Sample Time:	11:20:00
% Moisture :	16			% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	200	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	200	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	200	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	200	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	200	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	200	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	200	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	390	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	200	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	200	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	390	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	390	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	390	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	200	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	390	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	390	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	200	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	140	UG/KG	1.0	J	J	Yes	S3VEM
Atrazine	200	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	390	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	200	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	200	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	87	UG/KG	1.0	J	J	Yes	S3VEM
Fluoranthene	200	UG/KG	1.0	U	U	Yes	S3VEM
Pyrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	200	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	200	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	200	UG/KG	1.0		U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	200	UG/KG	1.0		U	Yes	S3VEM
Di-n-octylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	200	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
n-Hexadecanoic acid	1100	UG/KG	1.0	NJ	NJ	Yes	S3VEM
Total Alkanes	1900	UG/KG	1.0	J	J	Yes	S3VEM
13-Docosenamide, (Z)-	1000	UG/KG	1.0	NJ	NJ	Yes	S3VEM
9-Octadecenamide, (Z)-	650	UG/KG	1.0	NJ	NJ	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQC5	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P001-S004-0002-001	pH: 8.2	Sample Date: 01/22/2013	Sample Time: 11:30:00
% Moisture: 7.0		% Solids:	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	180	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	180	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	180	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	350	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	180	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	350	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	350	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	350	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	350	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	350	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	160	UG/KG	1.0	J	J	Yes	S3VEM
Atrazine	180	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	350	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	180	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	79	UG/KG	1.0	J	J	Yes	S3VEM
Fluoranthene	79	UG/KG	1.0	J	J	Yes	S3VEM
Pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	180	UG/KG	1.0		U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	180	UG/KG	1.0		U	Yes	S3VEM
Di-n-octylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Total Alkanes	2500	UG/KG	1.0	J	J	Yes	S3VEM
1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester	530	UG/KG	1.0	NJ	NJ	Yes	S3VEM
n-Hexadecanoic acid	880	UG/KG	1.0	NJ	NJ	Yes	S3VEM
13-Docosenamide, (Z)-	480	UG/KG	1.0	NJ	NJ	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQC6	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P001-S005-0002-001	pH: 8.0	Sample Date: 01/22/2013	Sample Time: 11:40:00
% Moisture : 18		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	210	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	210	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	210	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	210	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	210	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	210	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	210	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	210	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	210	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	210	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	210	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	210	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	210	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	210	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	210	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	210	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	210	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	210	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	210	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	210	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	210	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	210	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	210	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	210	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	210	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	210	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	210	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	400	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	210	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	210	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	210	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	400	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	210	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	400	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	400	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	210	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	210	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	210	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	210	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	210	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	400	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	400	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	210	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	210	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	210	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	1300	UG/KG	1.0			Yes	S3VEM
Atrazine	210	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	400	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	210	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	210	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	210	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	110	UG/KG	1.0	J	J	Yes	S3VEM
Fluoranthene	160	UG/KG	1.0	J	J	Yes	S3VEM
Pyrene	140	UG/KG	1.0	J	J	Yes	S3VEM
Butylbenzylphthalate	210	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	210	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	210	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	130	UG/KG	1.0	J	J	Yes	S3VEM
Bis(2-ethylhexyl)	210	UG/KG	1.0	J	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	210	UG/KG	1.0	J	U	Yes	S3VEM
Di-n-octylphthalate	210	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	110	UG/KG	1.0	J	J	Yes	S3VEM
Benzo(k)fluoranthene	89	UG/KG	1.0	J	J	Yes	S3VEM
Benzo(a)pyrene	210	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	210	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	210	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	210	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	210	UG/KG	1.0	U	U	Yes	S3VEM
Total Alkanes	1900	UG/KG	1.0	J	J	Yes	S3VEM
1-Docosene	470	UG/KG	1.0	NJ	NJ	Yes	S3VEM
n-Hexadecanoic acid	520	UG/KG	1.0	NJ	NJ	Yes	S3VEM
3,3'4,4'-Tetrachlorodiphenylsulfide	970	UG/KG	1.0	NJ	NJ	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQC7	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P002-S001-0002-001	pH: 8.5	Sample Date: 01/23/2013	Sample Time: 12:00:00
% Moisture : 5.0		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	180	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	180	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	180	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	350	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	180	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	350	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	350	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	350	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	350	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	350	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Atrazine	180	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	350	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	180	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	180	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-octylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQC8	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P002-S001-0002-002	pH: 8.6	Sample Date: 01/23/2013	Sample Time: 12:00:00
% Moisture : 5.0		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	180	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	180	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	180	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	350	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	180	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	350	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	350	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	350	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	350	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	350	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Atrazine	180	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	350	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	180	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	180	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-octylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQC9	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P002-S002-0002-001	pH: 8.8	Sample Date: 01/23/2013	Sample Time: 12:30:00
% Moisture : 5.0		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	180	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	180	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	180	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	340	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	180	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	340	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	340	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	340	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	340	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	340	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Atrazine	180	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	340	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	180	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	180	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-octylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQD0	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P002-S003-0002-001	pH: 8.6	Sample Date: 01/23/2013	Sample Time: 13:00:00
% Moisture : 14		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	200	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	200	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	200	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	200	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	200	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	200	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	200	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	200	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	380	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	200	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	200	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	380	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	380	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	380	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	200	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	200	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	380	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	380	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	200	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	200	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	200	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	200	UG/KG	1.0	U	U	Yes	S3VEM
Atrazine	200	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	380	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	200	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	200	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
Fluoranthene	100	UG/KG	1.0	J	J	Yes	S3VEM
Pyrene	93	UG/KG	1.0	J	J	Yes	S3VEM
Butylbenzylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	200	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	200	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	200	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-octylphthalate	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	200	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	200	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	200	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	200	UG/KG	1.0	U	U	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQD1	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P002-S004-0002-001	pH: 8.5	Sample Date: 01/23/2013	Sample Time: 13:30:00
% Moisture : 8.0		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	180	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	180	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	180	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	360	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	180	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	360	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	360	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	360	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	360	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	360	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Atrazine	180	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	360	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	180	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluoranthene	110	UG/KG	1.0	J	J	Yes	S3VEM
Pyrene	100	UG/KG	1.0	J	J	Yes	S3VEM
Butylbenzylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	180	UG/KG	1.0	J	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	180	UG/KG	1.0	J	U	Yes	S3VEM
Di-n-octylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Disulfide, di-tert-dodecyl	610	UG/KG	1.0	NJ	NJ	Yes	S3VEM
Benz[e]acephenanthrylene	640	UG/KG	1.0	NJ	NJ	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQD2	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P002-S005-0002-001	pH: 9.0	Sample Date: 01/23/2013	Sample Time: 14:30:00
% Moisture : 11		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	190	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	190	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	190	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	190	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	190	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	190	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	190	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	370	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	190	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	190	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	370	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	370	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	370	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	190	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	190	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	370	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	370	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	190	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	190	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	190	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	190	UG/KG	1.0	U	U	Yes	S3VEM
Atrazine	190	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	370	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	190	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	190	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	190	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
Fluoranthene	130	UG/KG	1.0	J	J	Yes	S3VEM
Pyrene	110	UG/KG	1.0	J	J	Yes	S3VEM
Butylbenzylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	190	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	190	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	190	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-octylphthalate	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	190	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	190	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	190	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	190	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	190	UG/KG	1.0	U	U	Yes	S3VEM
Perylene	610	UG/KG	1.0	NJ	NJ	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQD3	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: P002-S006-0002-001	pH: 8.6	Sample Date: 01/23/2013	Sample Time: 15:00:00
% Moisture : 4.0		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	180	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	180	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	180	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	180	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	180	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	340	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	180	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	340	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	340	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	340	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	180	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	180	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	340	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	340	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	180	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	180	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	180	UG/KG	1.0	U	U	Yes	S3VEM
Atrazine	180	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	340	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	180	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Fluoranthene	84	UG/KG	1.0	J	J	Yes	S3VEM
Pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	180	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	180	UG/KG	1.0	J	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	180	UG/KG	1.0	J	U	Yes	S3VEM
Di-n-octylphthalate	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	180	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	180	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	180	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	180	UG/KG	1.0	U	U	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQD4	Method: BNA	Matrix: Water	MA Number: DEFAULT
Sample Location: RB-012213	pH: 7.4	Sample Date: 01/22/2013	Sample Time: 15:00:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	5.0	UG/L	1.0	U	U	Yes	S3VEM
Phenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Chlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Methylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	5.0	UG/L	1.0	U	U	Yes	S3VEM
Acetophenone	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Methylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachloroethane	5.0	UG/L	1.0	U	U	Yes	S3VEM
Nitrobenzene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Isophorone	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Nitrophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Naphthalene	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Chloroaniline	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Caprolactam	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	5.0	UG/L	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	10	UG/L	1.0	U	U	Yes	S3VEM
Dimethylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Acenaphthylene	5.0	UG/L	1.0	U	U	Yes	S3VEM
3-Nitroaniline	10	UG/L	1.0	U	U	Yes	S3VEM
Acenaphthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	10	UG/L	1.0	U	U	Yes	S3VEM
4-Nitrophenol	10	UG/L	1.0	U	U	Yes	S3VEM
Dibenzofuran	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Diethylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Fluorene	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Nitroaniline	10	UG/L	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	10	UG/L	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	5.0	UG/L	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Atrazine	5.0	UG/L	1.0	U	U	Yes	S3VEM
Pentachlorophenol	10	UG/L	1.0	U	U	Yes	S3VEM
Phenanthrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Anthracene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Carbazole	5.0	UG/L	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Fluoranthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Pyrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Chrysene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	2.1	UG/L	1.0	J	J	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	2.1	UG/L	1.0	J	J	Yes	S3VEM
Di-n-octylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
n-Hexadecanoic acid	31	UG/L	1.0	NJ	NJ	Yes	S3VEM
2-Tetradecene, (E)-	77	UG/L	1.0	NJ	NJ	Yes	S3VEM
Octadecanoic acid	23	UG/L	1.0	NJ	NJ	Yes	S3VEM
Phenol, 2,4-bis(1,1-dimethylethyl)-	58	UG/L	1.0	NJ	NJ	Yes	S3VEM
1-Hexadecene	75	UG/L	1.0	NJ	NJ	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: BAQD5	Method: BNA	Matrix: Water	MA Number: DEFAULT
Sample Location: RB-012313	pH: 7.8	Sample Date: 01/22/2013	Sample Time: 14:30:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	5.0	UG/L	1.0	U	U	Yes	S3VEM
Phenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Chlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Methylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	5.0	UG/L	1.0	U	U	Yes	S3VEM
Acetophenone	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Methylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachloroethane	5.0	UG/L	1.0	U	U	Yes	S3VEM
Nitrobenzene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Isophorone	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Nitrophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Naphthalene	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Chloroaniline	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Caprolactam	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	5.0	UG/L	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	10	UG/L	1.0	U	U	Yes	S3VEM
Dimethylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Acenaphthylene	5.0	UG/L	1.0	U	U	Yes	S3VEM
3-Nitroaniline	10	UG/L	1.0	U	U	Yes	S3VEM
Acenaphthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	10	UG/L	1.0	U	U	Yes	S3VEM
4-Nitrophenol	10	UG/L	1.0	U	U	Yes	S3VEM
Dibenzofuran	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Diethylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Fluorene	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Nitroaniline	10	UG/L	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	10	UG/L	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	5.0	UG/L	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Atrazine	5.0	UG/L	1.0	U	U	Yes	S3VEM
Pentachlorophenol	10	UG/L	1.0	U	U	Yes	S3VEM
Phenanthrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Anthracene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Carbazole	5.0	UG/L	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Fluoranthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Pyrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Chrysene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	5.0	UG/L	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Di-n-octylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-hexamethyl-, (all-E)-	18	UG/L	1.0	NJ	NJ	Yes	S3VEM
n-Hexadecanoic acid	30	UG/L	1.0	NJ	NJ	Yes	S3VEM
2-Tetradecene, (E)-	56	UG/L	1.0	NJ	NJ	Yes	S3VEM
1-Octadecene	26	UG/L	1.0	NJ	NJ	Yes	S3VEM
1-Hexadecene	61	UG/L	1.0	NJ	NJ	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: SBLK67	Method: BNA	Matrix: Water	MA Number: DEFAULT
Sample Location: SBLK67	pH:	Sample Date: 01/31/2013	Sample Time: 11:35:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	5.0	UG/L	1.0	U	U	Yes	S3VEM
Phenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Chlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Methylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	5.0	UG/L	1.0	U	U	Yes	S3VEM
Acetophenone	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Methylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachloroethane	5.0	UG/L	1.0	U	U	Yes	S3VEM
Nitrobenzene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Isophorone	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Nitrophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Naphthalene	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Chloroaniline	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Caprolactam	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	5.0	UG/L	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	5.0	UG/L	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	10	UG/L	1.0	U	U	Yes	S3VEM
Dimethylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Acenaphthylene	5.0	UG/L	1.0	U	U	Yes	S3VEM
3-Nitroaniline	10	UG/L	1.0	U	U	Yes	S3VEM
Acenaphthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	10	UG/L	1.0	U	U	Yes	S3VEM
4-Nitrophenol	10	UG/L	1.0	U	U	Yes	S3VEM
Dibenzofuran	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Diethylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Fluorene	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Nitroaniline	10	UG/L	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	10	UG/L	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	5.0	UG/L	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	5.0	UG/L	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	5.0	UG/L	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Atrazine	5.0	UG/L	1.0	U	U	Yes	S3VEM
Pentachlorophenol	10	UG/L	1.0	U	U	Yes	S3VEM
Phenanthrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Anthracene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Carbazole	5.0	UG/L	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Fluoranthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Pyrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Chrysene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	5.0	UG/L	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Di-n-octylphthalate	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	5.0	UG/L	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	5.0	UG/L	1.0	U	U	Yes	S3VEM
Benz[e]acephenanthrylene	2.9	UG/L	1.0	NJ	NJ	Yes	S3VEM

Case No: 43255	Contract: EPW11031	SDG No: BAQC1	Lab Code: KAP
Sample Number: SBLK87	Method: BNA	Matrix: SOIL	MA Number: DEFAULT
Sample Location: SBLK87	pH:	Sample Date: 02/01/2013	Sample Time: 10:20:00
% Moisture : 0.00		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Benzaldehyde	170	UG/KG	1.0	U	U	Yes	S3VEM
Phenol	170	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethyl)ether	170	UG/KG	1.0	U	U	Yes	S3VEM
2-Chlorophenol	170	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylphenol	170	UG/KG	1.0	U	U	Yes	S3VEM
2,2'-Oxybis(1-chloropropane)	170	UG/KG	1.0	U	U	Yes	S3VEM
Acetophenone	170	UG/KG	1.0	U	U	Yes	S3VEM
4-Methylphenol	170	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitroso-di-n-propylamine	170	UG/KG	1.0	U	U	Yes	S3VEM
Hexachloroethane	170	UG/KG	1.0	U	U	Yes	S3VEM
Nitrobenzene	170	UG/KG	1.0	U	U	Yes	S3VEM
Isophorone	170	UG/KG	1.0	U	U	Yes	S3VEM
2-Nitrophenol	170	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dimethylphenol	170	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-chloroethoxy)methane	170	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dichlorophenol	170	UG/KG	1.0	U	U	Yes	S3VEM
Naphthalene	170	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloroaniline	170	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobutadiene	170	UG/KG	1.0	U	U	Yes	S3VEM
Caprolactam	170	UG/KG	1.0	U	U	Yes	S3VEM
4-Chloro-3-methylphenol	170	UG/KG	1.0	U	U	Yes	S3VEM
2-Methylnaphthalene	170	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorocyclopentadiene	170	UG/KG	1.0	U	U	Yes	S3VEM
2,4,6-Trichlorophenol	170	UG/KG	1.0	U	U	Yes	S3VEM
2,4,5-Trichlorophenol	170	UG/KG	1.0	U	U	Yes	S3VEM
1,1'-Biphenyl	170	UG/KG	1.0	U	U	Yes	S3VEM
2-Chloronaphthalene	170	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2-Nitroaniline	330	UG/KG	1.0	U	U	Yes	S3VEM
Dimethylphthalate	170	UG/KG	1.0	U	U	Yes	S3VEM
2,6-Dinitrotoluene	170	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthylene	170	UG/KG	1.0	U	U	Yes	S3VEM
3-Nitroaniline	330	UG/KG	1.0	U	U	Yes	S3VEM
Acenaphthene	170	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrophenol	330	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitrophenol	330	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzofuran	170	UG/KG	1.0	U	U	Yes	S3VEM
2,4-Dinitrotoluene	170	UG/KG	1.0	U	U	Yes	S3VEM
Diethylphthalate	170	UG/KG	1.0	U	U	Yes	S3VEM
Fluorene	170	UG/KG	1.0	U	U	Yes	S3VEM
4-Chlorophenyl-phenylether	170	UG/KG	1.0	U	U	Yes	S3VEM
4-Nitroaniline	330	UG/KG	1.0	U	U	Yes	S3VEM
4,6-Dinitro-2-methylphenol	330	UG/KG	1.0	U	U	Yes	S3VEM
N-Nitrosodiphenylamine	170	UG/KG	1.0	U	U	Yes	S3VEM
1,2,4,5-Tetrachlorobenzene	170	UG/KG	1.0	U	U	Yes	S3VEM
4-Bromophenyl-phenylether	170	UG/KG	1.0	U	U	Yes	S3VEM
Hexachlorobenzene	170	UG/KG	1.0	U	U	Yes	S3VEM
Atrazine	170	UG/KG	1.0	U	U	Yes	S3VEM
Pentachlorophenol	330	UG/KG	1.0	U	U	Yes	S3VEM
Phenanthrene	170	UG/KG	1.0	U	U	Yes	S3VEM
Anthracene	170	UG/KG	1.0	U	U	Yes	S3VEM
Carbazole	170	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-butylphthalate	170	UG/KG	1.0	U	U	Yes	S3VEM
Fluoranthene	170	UG/KG	1.0	U	U	Yes	S3VEM
Pyrene	170	UG/KG	1.0	U	U	Yes	S3VEM
Butylbenzylphthalate	170	UG/KG	1.0	U	U	Yes	S3VEM
3,3'-Dichlorobenzidine	170	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)anthracene	170	UG/KG	1.0	U	U	Yes	S3VEM
Chrysene	170	UG/KG	1.0	U	U	Yes	S3VEM
Bis(2-ethylhexyl)	170	UG/KG	1.0	U	U	Yes	S3VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
phthalate	170	UG/KG	1.0	U	U	Yes	S3VEM
Di-n-octylphthalate	170	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(b)fluoranthene	170	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(k)fluoranthene	170	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(a)pyrene	170	UG/KG	1.0	U	U	Yes	S3VEM
Indeno(1,2,3-cd)pyrene	170	UG/KG	1.0	U	U	Yes	S3VEM
Dibenzo(a,h)anthracene	170	UG/KG	1.0	U	U	Yes	S3VEM
Benzo(g,h,i)perylene	170	UG/KG	1.0	U	U	Yes	S3VEM
2,3,4,6-Tetrachlorophenol	170	UG/KG	1.0	U	U	Yes	S3VEM

Sample Summary Report

Case No:	43255	Contract:	EP10W001070	SDG No:	BAQC1	Lab Code:	CAPE
Sample Number:	BAQC1	Method:	Dioxin	Matrix:	Soil	MA Number:	1981.2
Sample Location:	P001-S001	pH:		Sample Date:	01/22/2013	Sample Time:	10:05:00
% Moisture :				% Solids :	83.9		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	101	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	156	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	195	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	112	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	121	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1060	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	5900	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	329	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	1490	ng/kg	1		EMPC	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	4660	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	5520	ng/kg	20	D	EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	684	ng/kg	20	DJ	J	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	29100	ng/kg	20	BD		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	2110	ng/kg	20	BD		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	102000	ng/kg	20	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	2620	ng/kg	20	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodiben	152000	ng/kg	20	BD		Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
zofuran	152000	ng/kg	20	BD		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	2620	ng/kg	1			Yes	S2AVEM
Total Pentachlorodibenzo-p-dioxin	2940	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	3120	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	2530	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	24400	ng/kg	1	E		Yes	S2AVEM
Total Pentachlorodibenzofuran	46300	ng/kg	1	E		Yes	S2AVEM
Total Hexachlorodibenzofuran	69400	ng/kg	20	BD		Yes	S2AVEM
Total Heptachlorodibenzofuran	115000	ng/kg	20	BD		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	10200	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	7540	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	6620	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQC2	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P001-S002	pH:	Sample Date: 01/22/2013	Sample Time: 11:15:00
% Moisture :		% Solids : 89.8	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	119	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	227	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	337	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	178	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	177	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1680	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	5550	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	495	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	3380	ng/kg	1			Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	8460	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	18100	ng/kg	50	D		Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	1830	ng/kg	50	D		Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	108000	ng/kg	50	BD		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	4620	ng/kg	50	BD		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	367000	ng/kg	50	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	7480	ng/kg	50	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	658000	ng/kg	50	BD		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	2960	ng/kg	1	E		Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	3430	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	4490	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	3870	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	39600	ng/kg	1	E		Yes	S2AVEM
Total Pentachlorodibenzofuran	84400	ng/kg	1	E		Yes	S2AVEM
Total Hexachlorodibenzofuran	215000	ng/kg	50	BD		Yes	S2AVEM
Total Heptachlorodibenzofuran	401000	ng/kg	50	BD		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	26700	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	21900	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	20300	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQC3	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P001-S003	pH:	Sample Date: 01/22/2013	Sample Time: 11:20:00
% Moisture :		% Solids : 84.3	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	56.1	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	101	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	145	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	76.3	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	92.5	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	769	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3580	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	222	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	1170	ng/kg	1		EMPC	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	2890	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	4270	ng/kg	10	D		Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	412	ng/kg	10	DJ	J	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	20300	ng/kg	10	BD		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	1490	ng/kg	10	BD		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	75800	ng/kg	10	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1800	ng/kg	10	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	129000	ng/kg	10	BD		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	1630	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	1760	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	2030	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	1780	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	16600	ng/kg	1	E		Yes	S2AVEM
Total Pentachlorodibenzofuran	31500	ng/kg	1	E		Yes	S2AVEM
Total Hexachlorodibenzofuran	48700	ng/kg	10	BD		Yes	S2AVEM
Total Heptachlorodibenzofuran	83400	ng/kg	10	BD		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	6840	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	5150	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	4580	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQC4	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P001-S003	pH:	Sample Date: 01/22/2013	Sample Time: 11:20:00
% Moisture :		% Solids : 85	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	69.9	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	129	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	168	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	98.3	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	103	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	901	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3860	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	273	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	1360	ng/kg	1		EMPC	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	3180	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	8580	ng/kg	10	D	EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	826	ng/kg	10	D		Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	38700	ng/kg	10	BD		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	2910	ng/kg	10	BD		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	151000	ng/kg	10	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	3410	ng/kg	10	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	274000	ng/kg	10	BD		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	1800	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	2140	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	2440	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	2050	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	17500	ng/kg	1	E		Yes	S2AVEM
Total Pentachlorodibenzofuran	34500	ng/kg	1	E		Yes	S2AVEM
Total Hexachlorodibenzofuran	96100	ng/kg	10	BD		Yes	S2AVEM
Total Heptachlorodibenzofuran	165000	ng/kg	10	BD		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	10500	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	8597	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	7996	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQC5	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P001-S004	pH:	Sample Date: 01/22/2013	Sample Time: 11:30:00
% Moisture :		% Solids : 85.4	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	54.4	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	101	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	134	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	69.5	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	83.8	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	679	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3700	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	217	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	1050	ng/kg	1		EMPC	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	2560	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	5850	ng/kg	10	D	EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	614	ng/kg	10	D		Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	26200	ng/kg	10	BD		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	1970	ng/kg	10	BD		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	104000	ng/kg	10	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	2290	ng/kg	10	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	188000	ng/kg	10	BD		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	1450	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	1740	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	1950	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	1590	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	14400	ng/kg	1	E		Yes	S2AVEM
Total Pentachlorodibenzofuran	27800	ng/kg	1	E		Yes	S2AVEM
Total Hexachlorodibenzofuran	63700	ng/kg	10	BD		Yes	S2AVEM
Total Heptachlorodibenzofuran	116000	ng/kg	10	BD		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	7597	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	6082	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	5596	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQC6	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P001-S005	pH:	Sample Date: 01/22/2013	Sample Time: 11:40:00
% Moisture :		% Solids : 79.7	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	80.9	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	143	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	174	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	94.3	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	114	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1100	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	5630	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	320	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	1590	ng/kg	1		EMPC	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	3600	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	10200	ng/kg	20	D	EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	915	ng/kg	20	D		Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	45300	ng/kg	20	BD		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	3510	ng/kg	20	BD		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	332000	ng/kg	20	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	5780	ng/kg	20	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	1500000	ng/kg	20	BDE	J	Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	2530	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	2680	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	3160	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	3100	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	22200	ng/kg	1	E		Yes	S2AVEM
Total Pentachlorodibenzofuran	41000	ng/kg	1	E		Yes	S2AVEM
Total Hexachlorodibenzofuran	110000	ng/kg	20	BD		Yes	S2AVEM
Total Heptachlorodibenzofuran	355000	ng/kg	20	BDE		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	13800	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	11700	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	11254	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQC7	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P002-S001	pH:	Sample Date: 01/23/2013	Sample Time: 12:00:00
% Moisture :		% Solids : 95.2	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	12.7	ng/kg	1	B		Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	16.1	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	23.6	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	11.0	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	10.2	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	115	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	632	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	41.8	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	232	ng/kg	1	B	EMPC	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	531	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	873	ng/kg	20	D	EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	84.6	ng/kg	20	DJ	J	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	4390	ng/kg	20	D		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	279	ng/kg	20	D		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	17900	ng/kg	20	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	379	ng/kg	20	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	24100	ng/kg	20	BD		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	245	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	326	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	324	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	315	ng/kg	1			Yes	S2AVEM
Total Tetrachlorodibenzofuran	3180	ng/kg	1	E		Yes	S2AVEM
Total Pentachlorodibenzofuran	6770	ng/kg	1	BE		Yes	S2AVEM
Total Hexachlorodibenzofuran	10500	ng/kg	20	D		Yes	S2AVEM
Total Heptachlorodibenzofuran	19700	ng/kg	20	BD		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	1375	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	1062	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	958	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQC8	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P002-S001	pH:	Sample Date: 01/23/2013	Sample Time: 12:00:00
% Moisture :		% Solids : 94.9	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	11.1	ng/kg	1	B		Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	13.6	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	21.9	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	10.8	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	9.95	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	115	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	603	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	44.7	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	220	ng/kg	1	B	EMPC	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	520	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	781	ng/kg	20	D	EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	73.7	ng/kg	20	DJ	J	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	3630	ng/kg	20	D		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	216	ng/kg	20	D		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	15000	ng/kg	20	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	296	ng/kg	20	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	21500	ng/kg	20	BD		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	236	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	290	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	308	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	310	ng/kg	1			Yes	S2AVEM
Total Tetrachlorodibenzofuran	3150	ng/kg	1	E		Yes	S2AVEM
Total Pentachlorodibenzofuran	6610	ng/kg	1	BE		Yes	S2AVEM
Total Hexachlorodibenzofuran	8810	ng/kg	20	D		Yes	S2AVEM
Total Heptachlorodibenzofuran	16800	ng/kg	20	BD		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	1240	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	929	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	827	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQC9	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P002-S002	pH:	Sample Date: 01/23/2013	Sample Time: 12:30:00
% Moisture :		% Solids : 94.9	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	2.43	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.75	ng/kg	1	BJ	JEMPC	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	3.91	ng/kg	1	J	JEMPC	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	2.76	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.86	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	41.4	ng/kg	1	BJ	J	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	395	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	6.32	ng/kg	1	J	JEMPC	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	19.2	ng/kg	1	J	J	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	62.6	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	126	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	17.0	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	572	ng/kg	1	B		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	54.0	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	2780	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	53.4	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	4140	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	9.85	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	19.1	ng/kg	1	BJ	J	Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	29.2	ng/kg	1	J	J	Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	95.2	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	394	ng/kg	1			Yes	S2AVEM
Total Pentachlorodibenzofuran	667	ng/kg	1			Yes	S2AVEM
Total Hexachlorodibenzofuran	1600	ng/kg	1	B		Yes	S2AVEM
Total Heptachlorodibenzofuran	3160	ng/kg	1	B		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	181	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	144	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	128	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQD0	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P002-S003	pH:	Sample Date: 01/23/2013	Sample Time: 13:00:00
% Moisture :		% Solids : 93.1	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	2.94	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	3.65	ng/kg	1	BJ	J	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	5.80	ng/kg	1	J	JEMPC	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	3.09	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	4.26	ng/kg	1	J	JEMPC	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	91.7	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	1110	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	7.40	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	25.6	ng/kg	1	J	J	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	69.3	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	151	ng/kg	1		EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	17.1	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	698	ng/kg	1	B		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	60.6	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	3410	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	75.2	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	5050	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	19.7	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	36.3	ng/kg	1	BJ	J	Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	62.8	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	205	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	376	ng/kg	1			Yes	S2AVEM
Total Pentachlorodibenzofuran	778	ng/kg	1			Yes	S2AVEM
Total Hexachlorodibenzofuran	1840	ng/kg	1	B		Yes	S2AVEM
Total Heptachlorodibenzofuran	3800	ng/kg	1	B		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	214	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	173	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	159	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQD1	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P002-S004	pH:	Sample Date: 01/23/2013	Sample Time: 13:30:00
% Moisture :		% Solids : 91.5	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	3.96	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.24	ng/kg	1	BJ	JEMPC	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	5.98	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	2.19	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	3.15	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	52.0	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	502	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	7.07	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	33.2	ng/kg	1	J	J	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	96.2	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	181	ng/kg	1		EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	25.3	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	1010	ng/kg	1	B		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	73.5	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	5190	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	91.8	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	8290	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	25.0	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	32.3	ng/kg	1	BJ	J	Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	48.5	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	123	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	557	ng/kg	1			Yes	S2AVEM
Total Pentachlorodibenzofuran	1040	ng/kg	1			Yes	S2AVEM
Total Hexachlorodibenzofuran	2540	ng/kg	1	B		Yes	S2AVEM
Total Heptachlorodibenzofuran	5720	ng/kg	1	B		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	296	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	240	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	222	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQD2	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P002-S005	pH:	Sample Date: 01/23/2013	Sample Time: 14:30:00
% Moisture :		% Solids : 89.6	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	9.63	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	10.8	ng/kg	1	BJ	J	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	24.5	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	9.61	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	7.93	ng/kg	1	J	JEMPC	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	131	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	1010	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	33.2	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	184	ng/kg	1		EMPC	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	593	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	1080	ng/kg	1		EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	145	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	6020	ng/kg	1	B		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	385	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	25400	ng/kg	5	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	395	ng/kg	5	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	41100	ng/kg	5	BD		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	117	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	157	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	204	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	315	ng/kg	1	B		Yes	S2AVEM
Total Tetrachlorodibenzofuran	3070	ng/kg	1			Yes	S2AVEM
Total Pentachlorodibenzofuran	5960	ng/kg	1			Yes	S2AVEM
Total Hexachlorodibenzofuran	14600	ng/kg	1	B		Yes	S2AVEM
Total Heptachlorodibenzofuran	27400	ng/kg	5	BD		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	1692	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	1358	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	1245	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQD3	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: P002-S006	pH:	Sample Date: 01/23/2013	Sample Time: 15:00:00
% Moisture :		% Solids : 96.5	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.48	ng/kg	1	B		Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.97	ng/kg	1	BJ	J	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	4.75	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.80	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.27	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	51.6	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	393	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	7.58	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	75.5	ng/kg	1	B		Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	126	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	335	ng/kg	10	D	EMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	19.5	ng/kg	10	DJ	JEMPC	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	1440	ng/kg	10	D		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	102	ng/kg	10	D		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	6120	ng/kg	10	BD		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	144	ng/kg	10	D		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	3580	ng/kg	10	BD		Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	26.5	ng/kg	1			Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	38.0	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	50.7	ng/kg	1			Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	148	ng/kg	1			Yes	S2AVEM
Total Tetrachlorodibenzofuran	456	ng/kg	1	E		Yes	S2AVEM
Total Pentachlorodibenzofuran	1250	ng/kg	1	B		Yes	S2AVEM
Total Hexachlorodibenzofuran	3330	ng/kg	10	D		Yes	S2AVEM
Total Heptachlorodibenzofuran	6800	ng/kg	10	BD		Yes	S2AVEM
TEQ WHO1998 Bird ND=0	398	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	324	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	297	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQD4	Method: Dioxin	Matrix: Water	MA Number: 1981.2
Sample Location: RB-012213	pH:	Sample Date: 01/22/2013	Sample Time: 15:00:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.32	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.49	pg/L	1	U	U	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.44	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.49	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.53	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.52	pg/L	1	BJ	JEMPC	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	8.08	pg/L	1	BJ	J	Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	1.67	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	1.16	pg/L	1	U	U	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	1.19	pg/L	1	U	U	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	1.18	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	1.92	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	1.55	pg/L	1	BJ	J	Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	1.25	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	4.99	pg/L	1	BJ	J	Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.03	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	17.1	pg/L	1	BJ	J	Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	1.32	pg/L	1	U	U	Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	1.49	pg/L	1	U	U	Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	1.44	pg/L	1	U	U	Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	1.52	pg/L	1	J	J	Yes	S2AVEM
Total Tetrachlorodibenzofuran	1.67	pg/L	1	U	U	Yes	S2AVEM
Total Pentachlorodibenzofuran	0.698	pg/L	1	U	U	Yes	S2AVEM
Total Hexachlorodibenzofuran	2.61	pg/L	1	BJ	J	Yes	S2AVEM
Total Heptachlorodibenzofuran	4.99	pg/L	1	BJ	J	Yes	S2AVEM
TEQ WHO1998 Bird ND=0	6.7	pg/L	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	4.99	pg/L	1			Yes	S2AVEM
Total TEQ ND=0	0.212	pg/L	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: BAQD5	Method: Dioxin	Matrix: Water	MA Number: 1981.2
Sample Location: RB-012313	pH:	Sample Date: 01/23/2013	Sample Time: 14:30:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.16	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.30	pg/L	1	U	U	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.24	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.32	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.34	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.45	pg/L	1	BJ	J	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	12.9	pg/L	1	BJ	J	Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	1.55	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	1.11	pg/L	1	U	U	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	1.03	pg/L	1	U	U	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	1.22	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	2.03	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	1.19	pg/L	1	U	U	Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	1.42	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	4.81	pg/L	1	BJ	JEMPC	Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.32	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	13.9	pg/L	1	BJ	J	Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	1.16	pg/L	1	U	U	Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	1.30	pg/L	1	U	U	Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	1.24	pg/L	1	U	U	Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	2.80	pg/L	1	J	J	Yes	S2AVEM
Total Tetrachlorodibenzofuran	1.55	pg/L	1	U	U	Yes	S2AVEM
Total Pentachlorodibenzofuran	0.412	pg/L	1	J	J	Yes	S2AVEM
Total Hexachlorodibenzofuran	1.19	pg/L	1	U	U	Yes	S2AVEM
Total Heptachlorodibenzofuran	6.91	pg/L	1	BJ	J	Yes	S2AVEM
TEQ WHO1998 Bird ND=0	6.03	pg/L	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	4.46	pg/L	1			Yes	S2AVEM
Total TEQ ND=0	0.02254	pg/L	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: DFBLK22	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: 12007700	pH:	Sample Date: 02/23/2013	Sample Time: 01:31:00
% Moisture :		% Solids : 100	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.060	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.114	ng/kg	1	J	JEMPC	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.167	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.177	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.179	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.258	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	0.660	ng/kg	1	J	JEMPC	Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	0.0916	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	0.166	ng/kg	1	J	J	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	0.110	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	0.155	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	0.290	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	0.155	ng/kg	1	U	U	Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	0.179	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.136	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.470	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	0.648	ng/kg	1	J	J	Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	0.060	ng/kg	1	J	J	Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	0.114	ng/kg	1	J	J	Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	0.167	ng/kg	1	U	U	Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	0.190	ng/kg	1	J	J	Yes	S2AVEM
Total Tetrachlorodibenzofuran	0.0916	ng/kg	1	U	U	Yes	S2AVEM
Total Pentachlorodibenzofuran	0.276	ng/kg	1	J	J	Yes	S2AVEM
Total Hexachlorodibenzofuran	0.155	ng/kg	1	U	U	Yes	S2AVEM
Total Heptachlorodibenzofuran	0.294	ng/kg	1	J	J	Yes	S2AVEM
TEQ WHO1998 - Bird ND=0	0.505	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	0.418	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	0.0995	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: DFBLK23	Method: Dioxin	Matrix: Water	MA Number: 1981.2
Sample Location: 12007734	pH:	Sample Date: 02/27/2013	Sample Time: 06:46:57
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.04	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.04	pg/L	1	J	JEMPC	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.80	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.68	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.28	pg/L	1	J	JEMPC	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	2.50	pg/L	1	J	JEMPC	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	8.58	pg/L	1	J	J	Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	1.42	pg/L	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	0.896	pg/L	1	U	U	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	1.22	pg/L	1	J	J	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	1.00	pg/L	1	J	JEMPC	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	1.86	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	1.48	pg/L	1	J	J	Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	1.20	pg/L	1	J	J	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.00	pg/L	1	J	J	Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	2.86	pg/L	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	13.9	pg/L	1	J	J	Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	1.04	pg/L	1	U	U	Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	1.04	pg/L	1	J	J	Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	1.28	pg/L	1	J	J	Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	2.50	pg/L	1	J	J	Yes	S2AVEM
Total Tetrachlorodibenzofuran	1.42	pg/L	1	U	U	Yes	S2AVEM
Total Pentachlorodibenzofuran	1.22	pg/L	1	J	J	Yes	S2AVEM
Total Hexachlorodibenzofuran	3.68	pg/L	1	J	J	Yes	S2AVEM
Total Heptachlorodibenzofuran	3.00	pg/L	1	J	J	Yes	S2AVEM
TEQ WHO1998 Bird ND=0	5.66	pg/L	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	4.29	pg/L	1			Yes	S2AVEM
Total TEQ ND=0	0.671	pg/L	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: DFBLK24	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: 12007713	pH:	Sample Date: 03/06/2013	Sample Time: 09:17:36
% Moisture :		% Solids : 100	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.978	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.680	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.31	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.37	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.40	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.62	ng/kg	1	J	JEMPC	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	12.4	ng/kg	1	J	J	Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	1.21	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	1.18	ng/kg	1	U	U	Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	1.14	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	1.15	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	1.65	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	0.960	ng/kg	1	J	J	Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	0.840	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	5.30	ng/kg	1	J	J	Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.00	ng/kg	1	U	U	Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	13.3	ng/kg	1	J	J	Yes	S2AVEM
Total Tetrachlorodibenzo-p-dioxin	0.978	ng/kg	1	U	U	Yes	S2AVEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Pentachlorodibenzo-p-dioxin	0.680	ng/kg	1	J	J	Yes	S2AVEM
Total Hexachlorodibenzo-p-dioxin	1.31	ng/kg	1	U	U	Yes	S2AVEM
Total Heptachlorodibenzo-p-dioxin	3.50	ng/kg	1	J	J	Yes	S2AVEM
Total Tetrachlorodibenzofuran	1.21	ng/kg	1	U	U	Yes	S2AVEM
Total Pentachlorodibenzofuran	1.14	ng/kg	1	U	U	Yes	S2AVEM
Total Hexachlorodibenzofuran	1.80	ng/kg	1	J	J	Yes	S2AVEM
Total Heptachlorodibenzofuran	5.30	ng/kg	1	J	J	Yes	S2AVEM
TEQ WHO1998 Bird ND=0	4.89	ng/kg	1			Yes	S2AVEM
TEQ WHO1998 Fish ND=0	3.61	ng/kg	1			Yes	S2AVEM
Total TEQ ND=0	0.921	ng/kg	1			Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: DLCS25	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: 12007701	pH:	Sample Date: 02/22/2013	Sample Time: 23:55:51
% Moisture :		% Solids : 100	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	17.2	ng/kg	1	B		Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	94.3	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	104	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	102	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	101	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	101	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	204	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	20.2	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	97.2	ng/kg	1	B		Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	97.0	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	99.3	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	97.2	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	97.9	ng/kg	1			Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	105	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	101	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	100	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	225	ng/kg	1	B		Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: DLCS26	Method: Dioxin	Matrix: Water	MA Number: 1981.2
Sample Location: 12007735	pH:	Sample Date: 02/27/2013	Sample Time: 05:12:27
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	172	pg/L	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	916	pg/L	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	931	pg/L	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	936	pg/L	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	971	pg/L	1	B		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	944	pg/L	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	1910	pg/L	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	191	pg/L	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	959	pg/L	1			Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	929	pg/L	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	931	pg/L	1	B		Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	962	pg/L	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	970	pg/L	1	B		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	1030	pg/L	1	B		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	998	pg/L	1	B		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	973	pg/L	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	1990	pg/L	1	B		Yes	S2AVEM

Case No: 43255	Contract: EP10W001070	SDG No: BAQC1	Lab Code: CAPE
Sample Number: DLCS27	Method: Dioxin	Matrix: Soil	MA Number: 1981.2
Sample Location: 12007714	pH:	Sample Date: 03/06/2013	Sample Time: 07:41:01
% Moisture :		% Solids : 100	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
2,3,7,8-Tetrachlorodibenzo-p-dioxin	181	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	892	ng/kg	1	B		Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	945	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	944	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	967	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	986	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	1940	ng/kg	1	B		Yes	S2AVEM
2,3,7,8-Tetrachlorodibenzofuran	211	ng/kg	1			Yes	S2AVEM
1,2,3,7,8-Pentachlorodibenzofuran	966	ng/kg	1			Yes	S2AVEM
2,3,4,7,8-Pentachlorodibenzofuran	990	ng/kg	1			Yes	S2AVEM
1,2,3,6,7,8-Hexachlorodibenzofuran	981	ng/kg	1			Yes	S2AVEM
1,2,3,7,8,9-Hexachlorodibenzofuran	953	ng/kg	1			Yes	S2AVEM
1,2,3,4,7,8-Hexachlorodibenzofuran	984	ng/kg	1	B		Yes	S2AVEM
2,3,4,6,7,8-Hexachlorodibenzofuran	1060	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,6,7,8-Heptachlorodibenzofuran	988	ng/kg	1	B		Yes	S2AVEM
1,2,3,4,7,8,9-Heptachlorodibenzofuran	978	ng/kg	1			Yes	S2AVEM
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	2070	ng/kg	1	B		Yes	S2AVEM