FINAL

REMOVAL ACTION COMPLETION REPORT FOR FTMM-47

FORT MONMOUTH, OCEANPORT, MONMOUTH COUNTY, NEW JERSEY

BRAC 05 Facility
Contract W912DY-09-D-0062
Task Order: 0012, Project No. 369857

Submitted To:

U.S. Army Engineering and Support Center

Huntsville, Alabama

Prepared By:

PARSONS

401 Diamond Dr. NW, Huntsville, AL 35806

June 2018

1.0 OVERVIEW

This Removal Action Completion Report (RACR) summarizes construction activities for the time-critical removal action under the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. §§ 9601 et seq., as amended ("CERCLA") that occurred unexpectedly during the Toxic Substances Control Act (TSCA) self-implementing on-site cleanup of polychlorinated biphenyl (PCB)-impacted concrete within Installation Restoration Program (IRP) Site FTMM-47 at Buildings 1002, 1208, and 1209 at U.S. Army Fort Monmouth (FTMM) (Figure 1). Removal of PCB-contaminated soil at Buildings 1002, 1208, and 1209 started in December 2015 and was completed by August 2016, as summarized in this RACR. The soil removal work occurred during the removal of PCB-contaminated concrete within the buildings under TSCA. After removing PCB-contaminated concrete, PCB-contaminated soil was also encountered and subsequently removed during the same mobilization to meet remedial action objectives. The Army had no prior knowledge that soil removal would also need to be performed.

The Army is the lead agency for FTMM under CERCLA, its implementing regulations, the National Contingency Plan at 40 CFR Part 300 ("NCP"), and Executive Order 12580, and is responsible for selecting the final response action for the site. New Jersey Department of Environmental Protection ("NJDEP") is the state support agency under CERCLA and the NCP. As a result of the removal actions described herein, the Army has determined that no additional response actions are required at FTMM-47. The Army has consulted with NJDEP concerning the response actions for FTMM-47, and NJDEP concurs with Army's determination.

1.1 Site Description and History

Between 1989 and 1990, all electrical transformers were tested for PCB content at FTMM. A total of 33 transformers, including those in Buildings 1002 (located within Environmental Condition of Property [ECP] Parcel 55), 1208 (Parcel 106), and 1209 (Parcel 107), were found to be PCB transformers (defined as transformers with oil concentrations greater than 500 parts per million PCBs). Following this testing, PCB transformers at FTMM were either replaced or refurbished with non-PCB-containing oil. Subsequent documents (Weston, 1993 and 1995) provided the results of visual inspections and sampling and analysis of soil and concrete underlying former PCB transformers at FTMM, including the FTMM-47 former PCB transformer sites, to determine if there was evidence of leakage.

1.2 Previous Investigations

Concrete chip samples were collected at stained areas on the concrete pads or vault floors in December 1994 to determine whether PCB contamination existed at FTMM-47. Sample results for PCBs from the stained concrete were 8,400 milligrams per kilogram (mg/kg) at Building 1002, 19,000 mg/kg at Building 1208, and 1,500 mg/kg at Building 1209. All three results exceeded the (then-proposed) NJDEP indoor surface cleanup criteria of 0.055 mg/kg (Weston, 1995).

2.0 OBJECTIVE

The Army undertook the FTMM-47 removal action in accordance with the cleanup and disposal options for PCB remediation waste under TSCA (Title 40 of the Code of Federal Regulations [CFR] §761.61) and the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. §§ 9601 et seq. (CERCLA). The removal action was undertaken to reduce potential risks of exposure to human health, welfare, and the environment via removal of the source waste materials (PCB impacted soil).

2.1 Cleanup Standard

NJDEP has established soil cleanup standards for PCBs under New Jersey Administrative Code (NJAC) 7:26E Technical Requirements for Site Remediation; the Residential Direct Contact Soil Remediation Standard (RDCSRS) is 0.2 mg/kg and the nonresidential standard (NDCSRS) is 1 mg/kg.

3.0 REMOVAL ACTION

Building 1002

The removal actions at Building 1002 were performed by Tetra Tech, Inc. between December 2015 and August 2016 (Appendix A). Concrete samples were initially collected from sample points along the centerline of the removed transformer that confirmed the presence of Aroclor-1254 in concrete.

In December 2015, an approximately 8.5-foot by 6.5-foot by 6 inches thick slab of PCB-impacted concrete was removed, and sub-slab soil samples were collected at 17 locations as well as concrete samples at two adjacent locations (Figure 2). Multiple Aroclor detections exceeded the total Aroclor RDCSRS of 0.2 mg/kg and the total Aroclor NRDCSRS of 1.0 mg/kg (Table 1).

In August 2016, an additional 2-foot by 2-foot section of the PCB-impacted concrete slab was removed and soil was excavated to a depth of 1.5 feet below the concrete slab. Seven soil samples and two duplicates were collected at or adjacent to previous PCB exceedances and analyzed for PCBs and extractable petroleum hydrocarbons (EPH) (Figure 3).

Building 1208

The removal actions at Building 1208 were performed by Tetra Tech, Inc. between December 2015 and July 2016 (Appendix B). Initially, a slab of PCB-impacted concrete was removed (approximately 16-foot by 7-foot by 4 inches thick). Fifteen sub-slab soil samples and 6 concrete samples were collected at 19 locations (Figure 4). Multiple concrete samples exceeded the Aroclor RDCSRS of 0.2 mg/kg (Table 2), which has also been used for comparison to concrete samples in New Jersey.

In July 2016, additional PCB-impacted concrete was removed (approximately 3-foot by 11-foot along the east side of the excavation and 2-foot by 11-foot along the west side of the excavation).

Soil was then excavated to a depth of 0.5 feet below where the concrete slab was removed. Six soil samples and 1 duplicate were collected at or adjacent to previous PCB exceedances and analyzed for PCBs and EPH (Figure 5).

Building 1209

The removal actions at Building 1209 were performed by Tetra Tech, Inc. between December 2015 and July 2016 (Appendix B). Initially, a slab of PCB-impacted concrete was removed (approximately 12-foot by 6-foot by 4 inches thick). Nineteen sub-slab soil samples and 6 concrete samples were collected at 19 locations (Figure 6). Multiple soil and concrete sample results exceeded the Aroclor RDCSRS of 0.2 mg/kg (Table 3).

In July 2016, additional PCB impacted concrete was removed (approximately 2-foot by 11-foot along the east side of the excavation and 2-foot by 12-foot along the west side of the excavation). Soil was then excavated to a depth of 0.5 feet below where the concrete slab was removed and approximately 1.5 feet of soil below the concrete slab that was removed at the south end of the excavation. Eight soil samples and one concrete confirmation sample were collected at or adjacent to previous PCB exceedances and analyzed for PCBs and EPH (Figure 7).

4.0 DEMONSTRATION OF COMPLETION

All confirmation soil and concrete sample results were below the TSCA and NJAC 7:26E unrestricted use standards (Appendices A and B). Therefore, additional remediation is not planned for Buildings 1002, 1208, and 1209.

5.0 ONGOING ACTIVITIES

There are no ongoing activities at FTMM-47.

6.0 COMMUNITY RELATIONS

A Fact Sheet was created to describe the removal action work performed and to document successful completion of the removal action at FTMM-47. The Fact Sheet is included as Appendix C of this RACR and was made available for public review in the FTMM Environmental Restoration Public Information Repository (the Administrative Record) at the Monmouth County Library, Eastern Branch, 1001 Route 35, Shrewsbury NJ 07702. The Fact Sheet was made available for a 30-day public review and comment period from 10 July 2018 to 8 August 2018. Appendix D includes the public press release regarding the Fact Sheet and the public notice requesting comments. The Fact Sheet was also posted on the Fort Monmouth IRP website (http://www.pica.army.mil/ftmonmouth/).

7.0 CERTIFICATION STATEMENT

Under penalty of law, I certify that to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of the report, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

William R Colvin — 28 June 2018

William R. Colvin
BRAC Environmental Coordinator
U.S. Army Fort Monmouth

Date

8.0 REFERENCES

United States (US) Army Base Realignment and Closure (BRAC), 2007. *Environmental Condition of Property Report – Fort Monmouth, Monmouth County, New Jersey.* Final. January 29.

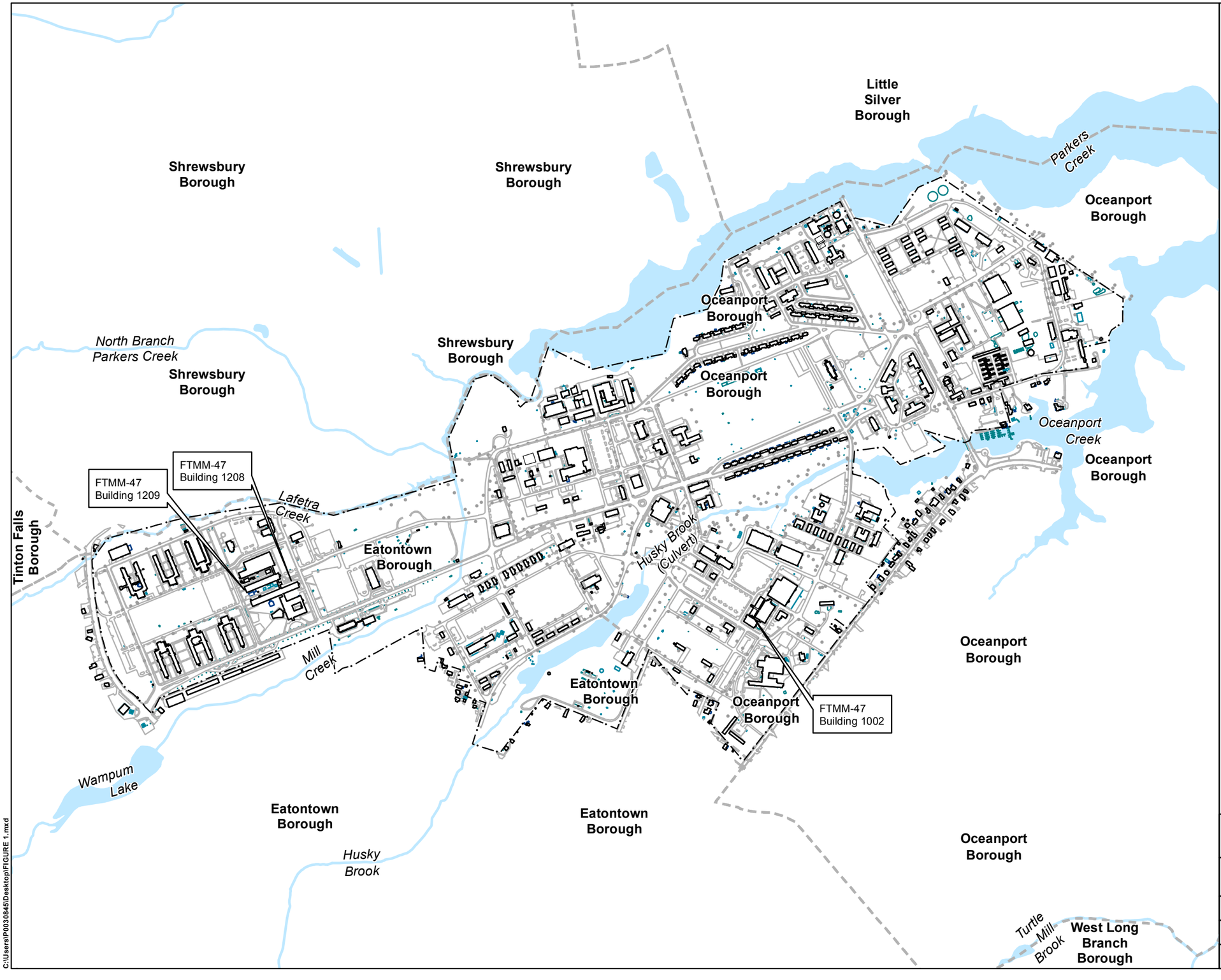
US Army BRAC, 2008. *Site Investigation Report, Fort Monmouth.* Final. July 21.

US Army BRAC, 2017. *Request for No Further Action at FTMM-47, Site Investigation Report Addendum, Fort Monmouth, New Jersey*. June 6.

Weston (Roy F. Weston Inc.). 1993. *Investigation of Suspected Hazardous Waste Sites at Fort Monmouth, New Jersey*. Prepared for Directorate of Engineering and Housing, Fort Monmouth, New Jersey. December.

Weston (Roy F. Weston Inc.). 1995. *Final Site Investigation – Main Post and Charles Wood Areas, Fort Monmouth, New Jersey*. December.

Figures



LEGEND:

- Surface Water Feature
- Municipal Boundary
- Installation Boundary

N

1 inch = 1,000 feet

0 250 500 1,000 1,500 2,000 2,500 Feet

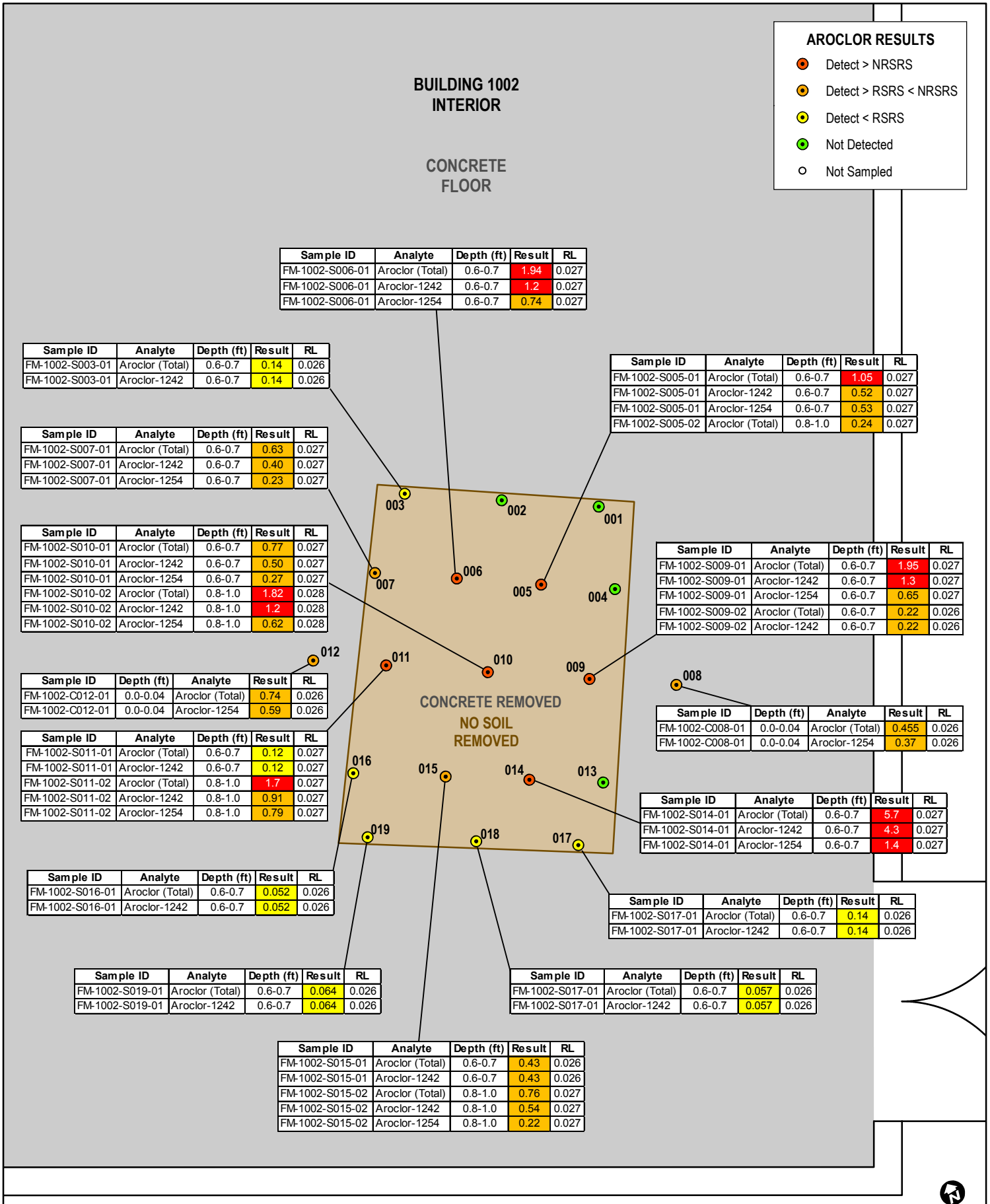
Source: FTMM Supplied CAD, 2013; U.S. Army BRAC, 2008; ESRI Data and Maps 2011; USGS NHD, 2012.

PARSONS 401 Diamond Drive NW, Huntsville AL	**Fort Monmouth** **New Jersey**

MAIN POST LAYOUT AND FTMM-47 LOCATIONS

CREATED BY: RR	REVIEWED BY: ME
DATE: FEB, 2017	FIGURE NUMBER: FIGURE 1
PROJECT NUMBER: 748810-06017	FILE: FIGURE 1.mxd

C:\Users\P0030845\Desktop\FIGURE 1.mxd



Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S006-01	Aroclor (Total)	0.6-0.7	1.94	0.027
FM-1002-S006-01	Aroclor-1242	0.6-0.7	1.2	0.027
FM-1002-S006-01	Aroclor-1254	0.6-0.7	0.74	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S003-01	Aroclor (Total)	0.6-0.7	0.14	0.026
FM-1002-S003-01	Aroclor-1242	0.6-0.7	0.14	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S005-01	Aroclor (Total)	0.6-0.7	1.05	0.027
FM-1002-S005-01	Aroclor-1242	0.6-0.7	0.52	0.027
FM-1002-S005-01	Aroclor-1254	0.6-0.7	0.53	0.027
FM-1002-S005-02	Aroclor (Total)	0.8-1.0	0.24	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S007-01	Aroclor (Total)	0.6-0.7	0.63	0.027
FM-1002-S007-01	Aroclor-1242	0.6-0.7	0.40	0.027
FM-1002-S007-01	Aroclor-1254	0.6-0.7	0.23	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S010-01	Aroclor (Total)	0.6-0.7	0.77	0.027
FM-1002-S010-01	Aroclor-1242	0.6-0.7	0.50	0.027
FM-1002-S010-01	Aroclor-1254	0.6-0.7	0.27	0.027
FM-1002-S010-02	Aroclor (Total)	0.8-1.0	1.82	0.028
FM-1002-S010-02	Aroclor-1242	0.8-1.0	1.2	0.028
FM-1002-S010-02	Aroclor-1254	0.8-1.0	0.62	0.028

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S009-01	Aroclor (Total)	0.6-0.7	1.95	0.027
FM-1002-S009-01	Aroclor-1242	0.6-0.7	1.3	0.027
FM-1002-S009-01	Aroclor-1254	0.6-0.7	0.65	0.027
FM-1002-S009-02	Aroclor (Total)	0.6-0.7	0.22	0.026
FM-1002-S009-02	Aroclor-1242	0.6-0.7	0.22	0.026

Sample ID	Depth (ft)	Analyte	Result	RL
FM-1002-C012-01	0.0-0.04	Aroclor (Total)	0.74	0.026
FM-1002-C012-01	0.0-0.04	Aroclor-1254	0.59	0.026

Sample ID	Depth (ft)	Analyte	Result	RL
FM-1002-C008-01	0.0-0.04	Aroclor (Total)	0.455	0.026
FM-1002-C008-01	0.0-0.04	Aroclor-1254	0.37	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S011-01	Aroclor (Total)	0.6-0.7	0.12	0.027
FM-1002-S011-01	Aroclor-1242	0.6-0.7	0.12	0.027
FM-1002-S011-02	Aroclor (Total)	0.8-1.0	1.7	0.027
FM-1002-S011-02	Aroclor-1242	0.8-1.0	0.91	0.027
FM-1002-S011-02	Aroclor-1254	0.8-1.0	0.79	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S014-01	Aroclor (Total)	0.6-0.7	5.7	0.027
FM-1002-S014-01	Aroclor-1242	0.6-0.7	4.3	0.027
FM-1002-S014-01	Aroclor-1254	0.6-0.7	1.4	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S016-01	Aroclor (Total)	0.6-0.7	0.052	0.026
FM-1002-S016-01	Aroclor-1242	0.6-0.7	0.052	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S017-01	Aroclor (Total)	0.6-0.7	0.14	0.026
FM-1002-S017-01	Aroclor-1242	0.6-0.7	0.14	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S019-01	Aroclor (Total)	0.6-0.7	0.064	0.026
FM-1002-S019-01	Aroclor-1242	0.6-0.7	0.064	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S017-01	Aroclor (Total)	0.6-0.7	0.057	0.026
FM-1002-S017-01	Aroclor-1242	0.6-0.7	0.057	0.026

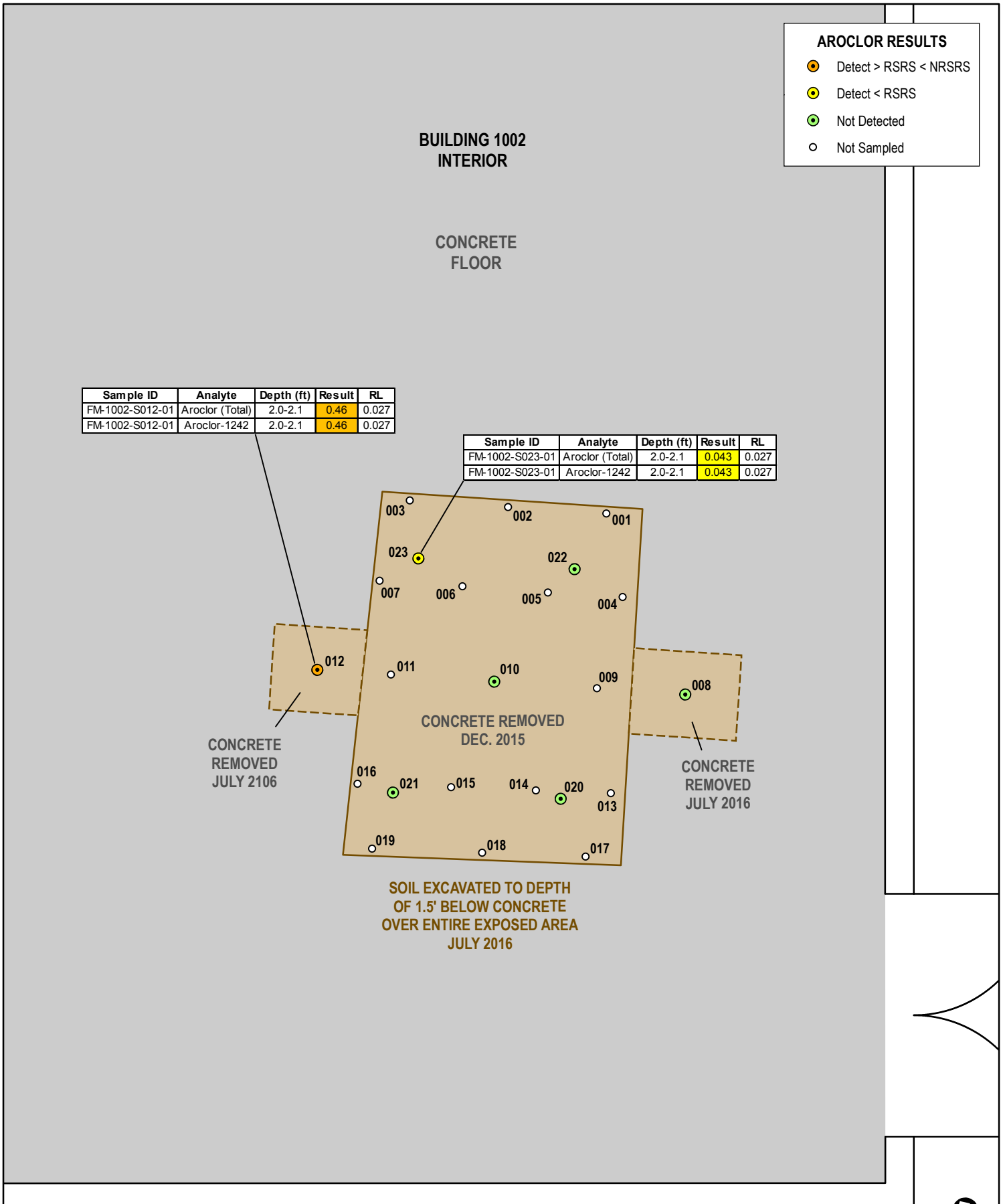
Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S015-01	Aroclor (Total)	0.6-0.7	0.43	0.026
FM-1002-S015-01	Aroclor-1242	0.6-0.7	0.43	0.026
FM-1002-S015-02	Aroclor (Total)	0.8-1.0	0.76	0.027
FM-1002-S015-02	Aroclor-1242	0.8-1.0	0.54	0.027
FM-1002-S015-02	Aroclor-1254	0.8-1.0	0.22	0.027

TETRA TECH

Feet
0 1 2 3 4 5

NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ
FIGURE 2
BLDG. 1002 SAMPLING RESULTS - DEC. 2015



TETRA TECH

Feet
0 1 2 3 4 5

NOTES:
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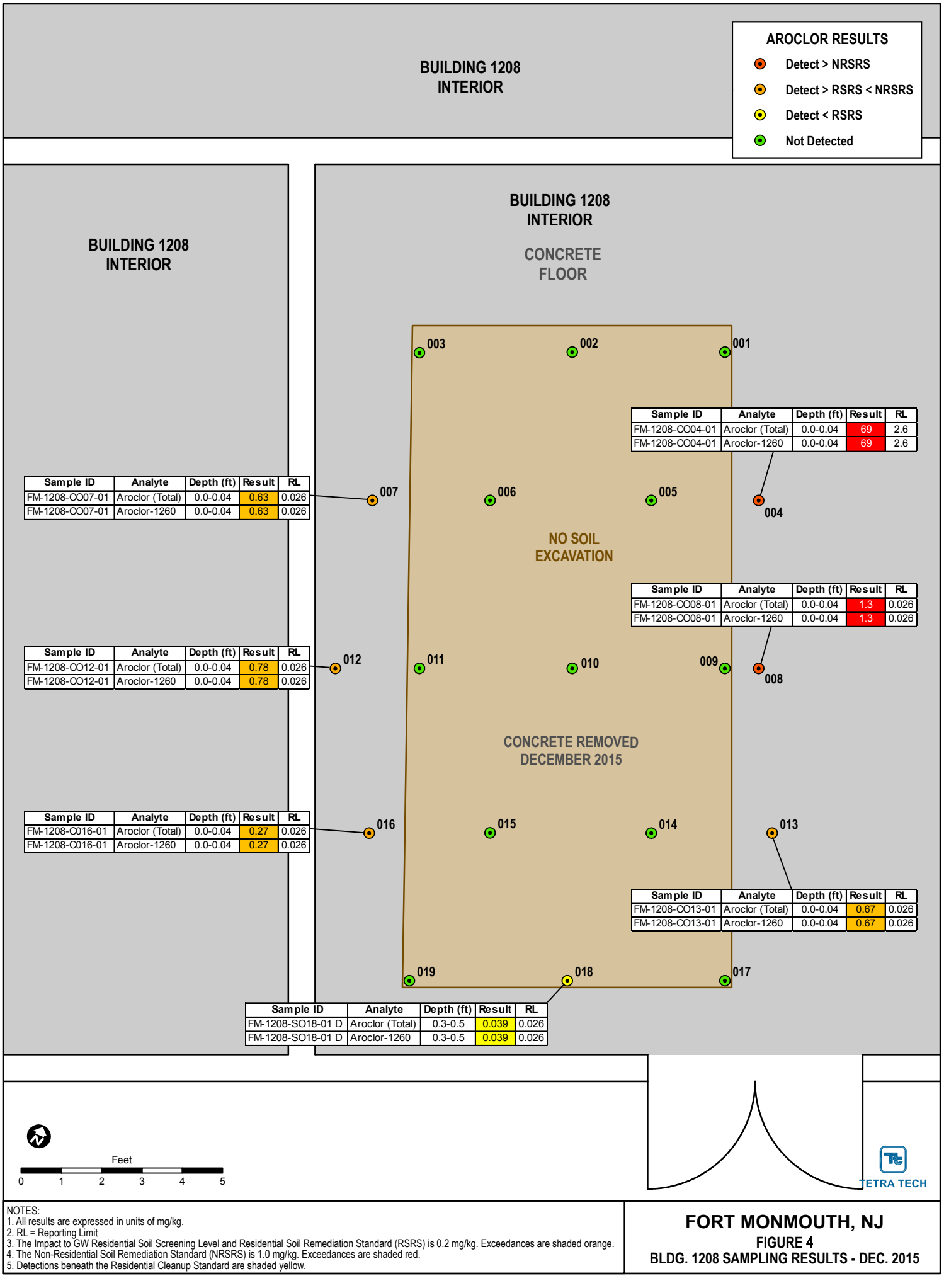
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 3
BLDG. 1002 SAMPLING RESULTS - JULY 2016

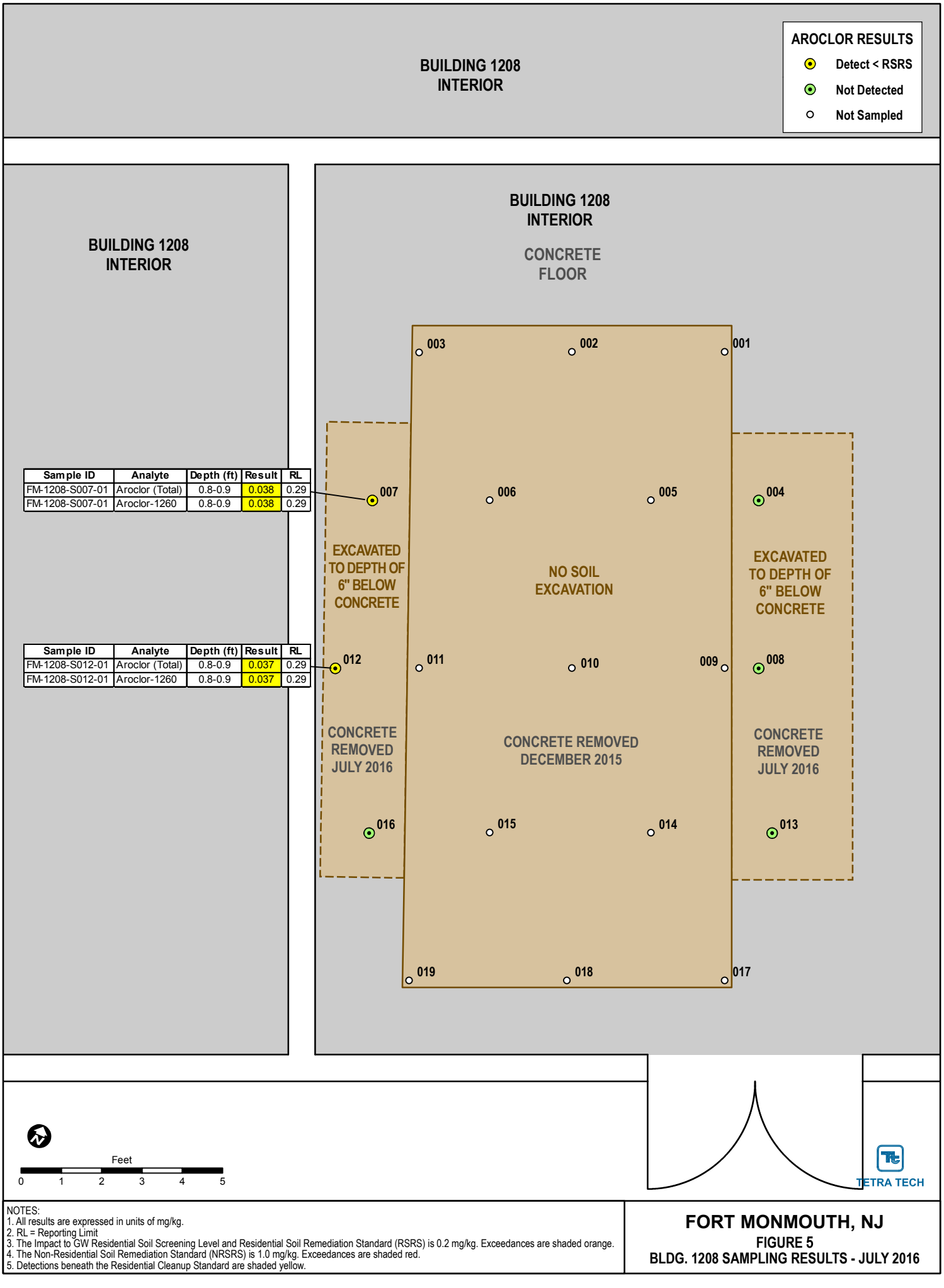


NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 4

BLDG. 1208 SAMPLING RESULTS - DEC. 2015



Sample ID	Analyte	Depth (ft)	Result	RL
FM-1208-S007-01	Aroclor (Total)	0.8-0.9	0.038	0.29
FM-1208-S007-01	Aroclor-1260	0.8-0.9	0.038	0.29

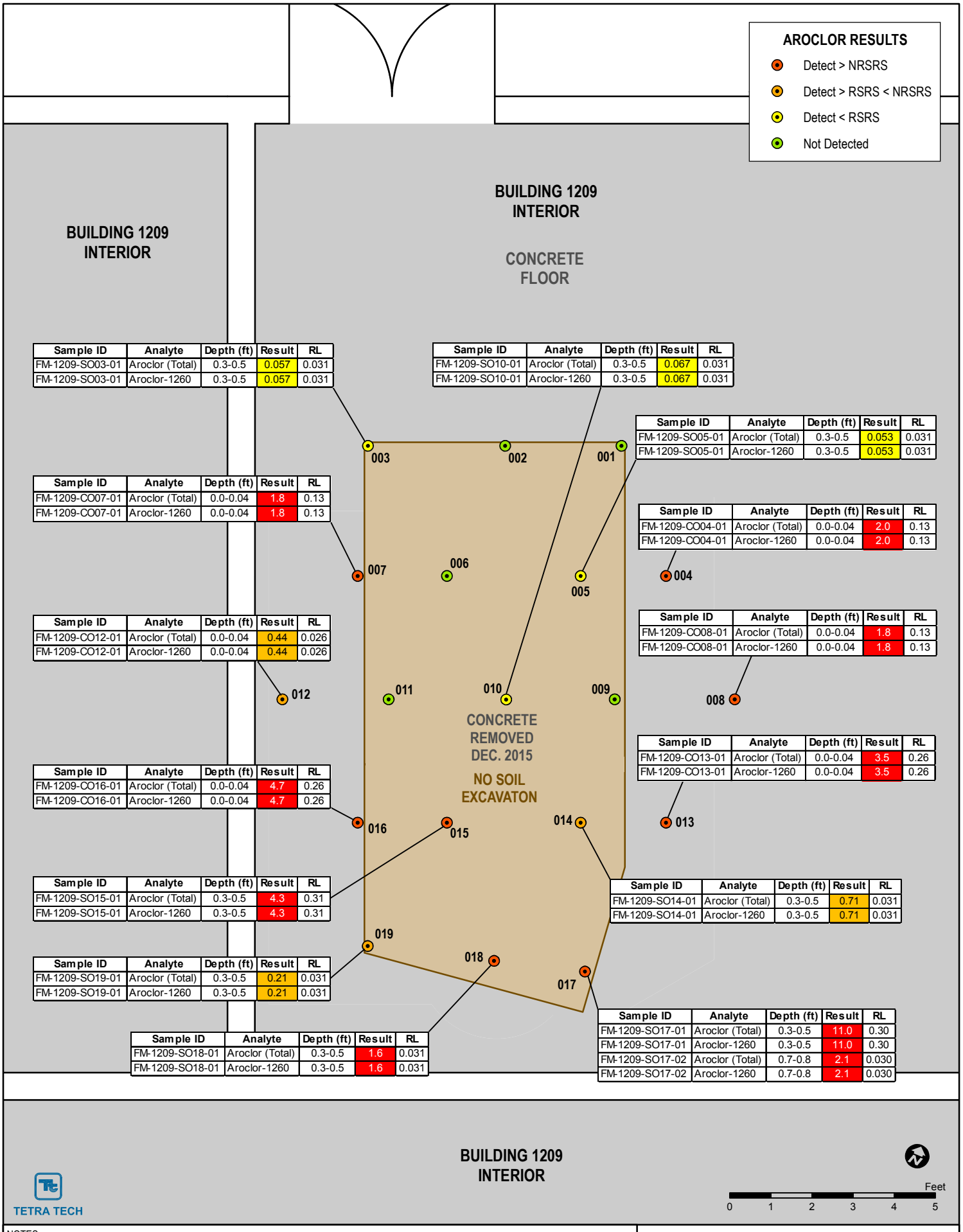
Sample ID	Analyte	Depth (ft)	Result	RL
FM-1208-S012-01	Aroclor (Total)	0.8-0.9	0.037	0.29
FM-1208-S012-01	Aroclor-1260	0.8-0.9	0.037	0.29

NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 5

BLDG. 1208 SAMPLING RESULTS - JULY 2016



Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO03-01	Aroclor (Total)	0.3-0.5	0.057	0.031
FM-1209-SO03-01	Aroclor-1260	0.3-0.5	0.057	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO10-01	Aroclor (Total)	0.3-0.5	0.067	0.031
FM-1209-SO10-01	Aroclor-1260	0.3-0.5	0.067	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO05-01	Aroclor (Total)	0.3-0.5	0.053	0.031
FM-1209-SO05-01	Aroclor-1260	0.3-0.5	0.053	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO07-01	Aroclor (Total)	0.0-0.04	1.8	0.13
FM-1209-CO07-01	Aroclor-1260	0.0-0.04	1.8	0.13

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO04-01	Aroclor (Total)	0.0-0.04	2.0	0.13
FM-1209-CO04-01	Aroclor-1260	0.0-0.04	2.0	0.13

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO12-01	Aroclor (Total)	0.0-0.04	0.44	0.026
FM-1209-CO12-01	Aroclor-1260	0.0-0.04	0.44	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO08-01	Aroclor (Total)	0.0-0.04	1.8	0.13
FM-1209-CO08-01	Aroclor-1260	0.0-0.04	1.8	0.13

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO13-01	Aroclor (Total)	0.0-0.04	3.5	0.26
FM-1209-CO13-01	Aroclor-1260	0.0-0.04	3.5	0.26

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO16-01	Aroclor (Total)	0.0-0.04	4.7	0.26
FM-1209-CO16-01	Aroclor-1260	0.0-0.04	4.7	0.26

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO15-01	Aroclor (Total)	0.3-0.5	4.3	0.31
FM-1209-SO15-01	Aroclor-1260	0.3-0.5	4.3	0.31

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO14-01	Aroclor (Total)	0.3-0.5	0.71	0.031
FM-1209-SO14-01	Aroclor-1260	0.3-0.5	0.71	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO19-01	Aroclor (Total)	0.3-0.5	0.21	0.031
FM-1209-SO19-01	Aroclor-1260	0.3-0.5	0.21	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO18-01	Aroclor (Total)	0.3-0.5	1.6	0.031
FM-1209-SO18-01	Aroclor-1260	0.3-0.5	1.6	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO17-01	Aroclor (Total)	0.3-0.5	11.0	0.30
FM-1209-SO17-01	Aroclor-1260	0.3-0.5	11.0	0.30
FM-1209-SO17-02	Aroclor (Total)	0.7-0.8	2.1	0.030
FM-1209-SO17-02	Aroclor-1260	0.7-0.8	2.1	0.030

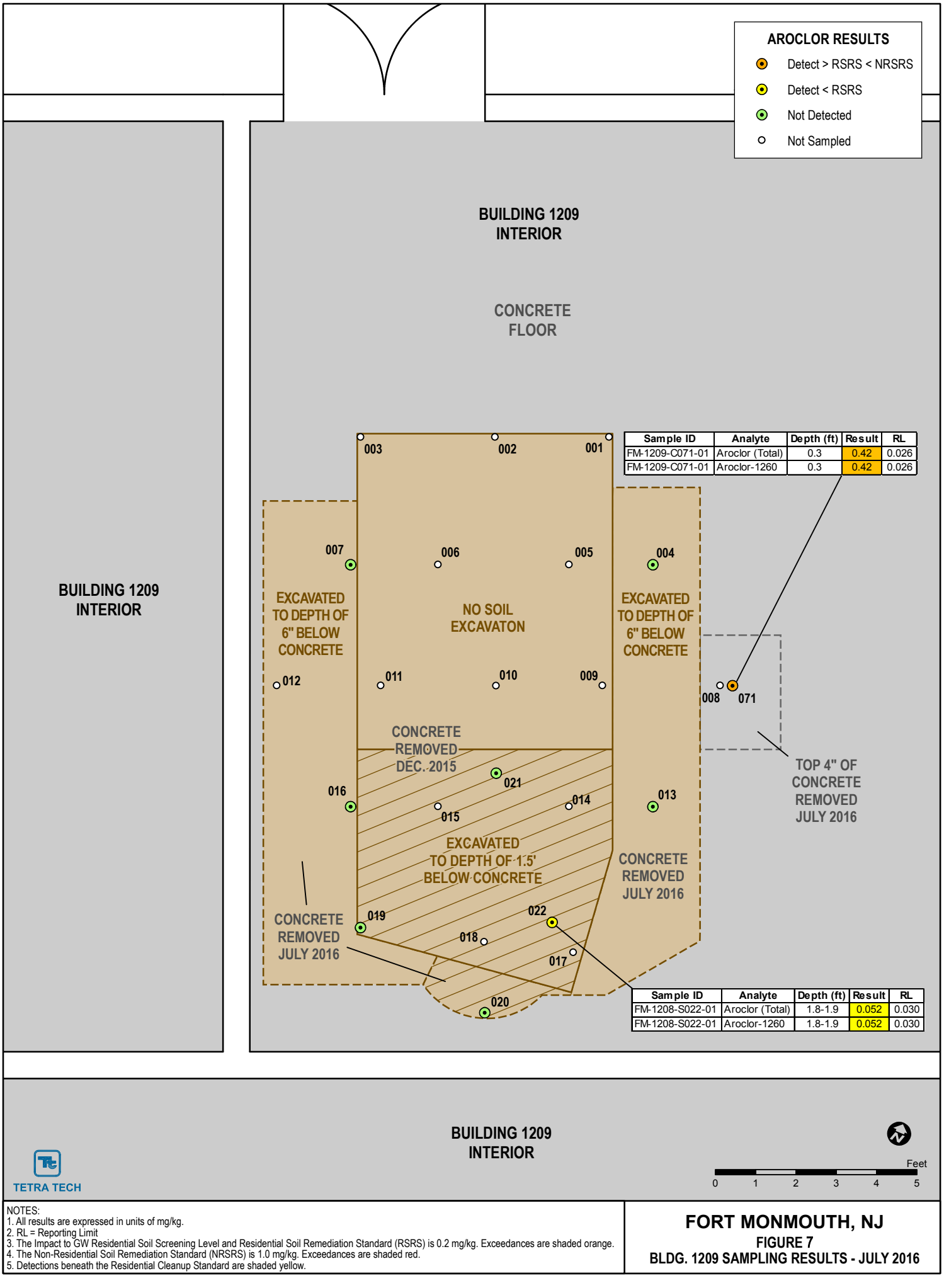
TETRA TECH

NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 6

BLDG. 1209 SAMPLING RESULTS - DEC. 2015



TETRA TECH

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5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 7

BLDG. 1209 SAMPLING RESULTS - JULY 2016

Tables

Table 1
PCB Remediation at Building 1002
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix								
FM 1002-S101	10/13/2015	0	0.04	Concrete	0.49	ND	ND	ND	ND	ND	0.49	ND
FM 1002-S102	10/13/2015	0.1	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM 1002-S201	10/13/2015	0	0.04	Concrete	0.75	ND	ND	ND	ND	ND	0.75	ND
FM 1002-S202	10/13/2015	0.1	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM 1002-S301	10/13/2015	0	0.04	Concrete	0.1	ND	ND	ND	ND	ND	0.1	ND
FM 1002-S302	10/13/2015	0.1	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM 1002-S401	10/13/2015	0	0.04	Concrete	0.14	ND	ND	ND	ND	ND	0.14	ND
FM 1002-S402	10/13/2015	0.1	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-C008-01	12/17/2015	0	0.04	Concrete	0.455	ND	ND	ND	0.085	ND	0.37	ND
FM-1002-C008-02	12/17/2015	0.2	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-C012-01	12/17/2015	0	0.04	Concrete	0.74	ND	ND	ND	0.15	ND	0.59	ND
FM-1002-C012-02	12/17/2015	0.2	0.3	Concrete	0.055	ND	ND	ND	ND	0.055	ND	ND
FM-1002-S001-01	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S002-01	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S003-01	12/16/2015	0.6	0.7	SOIL	0.14	ND	ND	ND	0.14	ND	ND	ND
FM-1002-S004-01	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S005-01	12/16/2015	0.6	0.7	SOIL	1.05	ND	ND	ND	0.52	ND	0.53	ND
FM-1002-S005-02	12/16/2015	0.8	1	SOIL	0.24	ND	ND	ND	0.11	ND	0.13	ND
FM-1002-S006-01	12/16/2015	0.6	0.7	SOIL	1.94	ND	ND	ND	1.2	ND	0.74	ND
FM-1002-S007-01	12/16/2015	0.6	0.7	SOIL	0.63	ND	ND	ND	0.4	ND	0.23	ND
FM-1002-S009-01	12/16/2015	0.6	0.7	SOIL	1.95	ND	ND	ND	1.3	ND	0.65	ND
FM-1002-S009-02	12/16/2015	0.8	1	SOIL	0.22	ND	ND	ND	0.22	ND	ND	ND
FM-1002-S010-01	12/16/2015	0.6	0.7	SOIL	0.77	ND	ND	ND	0.5	ND	0.27	ND
FM-1002-S010-02	12/16/2015	0.8	1	SOIL	1.82	ND	ND	ND	1.2	ND	0.62	ND
FM-1002-S011-01	12/16/2015	0.6	0.7	SOIL	0.12	ND	ND	ND	0.12	ND	ND	ND
FM-1002-S011-02	12/16/2015	0.8	1	SOIL	1.7	ND	ND	ND	0.91	ND	0.79	ND
FM-1002-S013-01	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S013-01 FD	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S014-01	12/16/2015	0.6	0.7	SOIL	5.7	ND	ND	ND	4.3	ND	1.4	ND
FM-1002-S015-01	12/16/2015	0.6	0.7	SOIL	0.43	ND	ND	ND	0.43	ND	ND	ND
FM-1002-S015-02	12/16/2015	0.8	1	SOIL	0.76	ND	ND	ND	0.54	ND	0.22	ND
FM-1002-S016-01	12/16/2015	0.6	0.7	SOIL	0.052	ND	ND	ND	0.052	ND	ND	ND

Table 1
PCB Remediation at Building 1002
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix								
FM-1002-S017-01	12/16/2015	0.6	0.7	SOIL	0.14	ND	ND	ND	0.14	ND	ND	ND
FM-1002-S018-01	12/16/2015	0.6	0.7	SOIL	0.057	ND	ND	ND	0.057	ND	ND	ND
FM-1002-S018-01 FD	12/16/2015	0.6	0.7	SOIL	0.18	ND	ND	ND	0.18	ND	ND	ND
FM-1002-S019-01	12/16/2015	0.6	0.7	SOIL	0.064	ND	ND	ND	0.064	ND	ND	ND
FM-1002-S008-01	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S010-03	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S010-03 FD	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S012-01	8/2/2016	2	2.1	SOIL	0.46	ND	ND	ND	0.46	ND	ND	ND
FM-1002-S020-01	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S021-01	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S021-01 FD	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S022-01	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S023-01	8/2/2016	2	2.1	SOIL	0.043	ND	ND	ND	0.043	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 1
PCB Remediation at Building 1002
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

					Analtyical Method	EPA 8082A	EPA 8082A
					Parameter	Aroclor-1262	Aroclor-1268
					Units	mg/kg	mg/kg
					RSRS (mg/kg)	NA	NA
					NRSRS (mg/kg)	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix			
FM 1002-S101	10/13/2015	0	0.04	Concrete		ND	ND
FM 1002-S102	10/13/2015	0.1	0.3	Concrete		ND	ND
FM 1002-S201	10/13/2015	0	0.04	Concrete		ND	ND
FM 1002-S202	10/13/2015	0.1	0.3	Concrete		ND	ND
FM 1002-S301	10/13/2015	0	0.04	Concrete		ND	ND
FM 1002-S302	10/13/2015	0.1	0.3	Concrete		ND	ND
FM 1002-S401	10/13/2015	0	0.04	Concrete		ND	ND
FM 1002-S402	10/13/2015	0.1	0.3	Concrete		ND	ND
FM-1002-C008-01	12/17/2015	0	0.04	Concrete		ND	ND
FM-1002-C008-02	12/17/2015	0.2	0.3	Concrete		ND	ND
FM-1002-C012-01	12/17/2015	0	0.04	Concrete		ND	ND
FM-1002-C012-02	12/17/2015	0.2	0.3	Concrete		ND	ND
FM-1002-S001-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S002-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S003-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S004-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S005-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S005-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S006-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S007-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S009-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S009-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S010-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S010-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S011-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S011-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S013-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S013-01 FD	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S014-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S015-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S015-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S016-01	12/16/2015	0.6	0.7	SOIL		ND	ND

Table 1
PCB Remediation at Building 1002
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Parameter	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg
				RSRS (mg/kg)	NA	NA
				NRSRS (mg/kg)	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix		
FM-1002-S017-01	12/16/2015	0.6	0.7	SOIL	ND	ND
FM-1002-S018-01	12/16/2015	0.6	0.7	SOIL	ND	ND
FM-1002-S018-01 FD	12/16/2015	0.6	0.7	SOIL	ND	ND
FM-1002-S019-01	12/16/2015	0.6	0.7	SOIL	ND	ND
FM-1002-S008-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S010-03	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S010-03 FD	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S012-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S020-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S021-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S021-01 FD	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S022-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S023-01	8/2/2016	2	2.1	SOIL	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 2
PCB Remediation at Building 1208
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analytical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix							
FM-1208-CO04-01	12/18/2015	0	0.04	Concrete	69	ND	ND	ND	ND	ND	ND
FM-1208-CO07-01	12/18/2015	0	0.04	Concrete	0.63	ND	ND	ND	ND	ND	ND
FM-1208-CO08-01	12/18/2015	0	0.04	Concrete	1.3	ND	ND	ND	ND	ND	ND
FM-1208-CO12-01	12/18/2015	0	0.04	Concrete	0.78	ND	ND	ND	ND	ND	ND
FM-1208-CO13-01	12/18/2015	0	0.04	Concrete	0.67	ND	ND	ND	ND	ND	ND
FM-1208-C016-01	12/18/2015	0	0.04	Concrete	0.27	ND	ND	ND	ND	ND	ND
FM-1208-SO01-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO02-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO03-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO05-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO06-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO09-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO10-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO11-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO14-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO14-01 FD	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO15-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO17-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO18-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO18-01 D	12/18/2015	0.3	0.5	Soil	0.039	ND	ND	ND	ND	ND	ND
FM-1208-SO19-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-S004-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-S004-01 FD	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND

Table 2
PCB Remediation at Building 1208
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analytical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix							
FM-1208-S007-01	8/1/2016	0.3	0.4	Soil	0.038	ND	ND	ND	ND	ND	ND
FM-1208-S008-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-S012-01	8/1/2016	0.3	0.4	Soil	0.037	ND	ND	ND	ND	ND	ND
FM-1208-S013-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-S016-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 2
PCB Remediation at Building 1208
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analytical Method	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor-1260	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	NA	NA
				NRSRS (mg/kg)	1	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix			
FM-1208-CO04-01	12/18/2015	0	0.04	Concrete	69	ND	ND
FM-1208-CO07-01	12/18/2015	0	0.04	Concrete	0.63	ND	ND
FM-1208-CO08-01	12/18/2015	0	0.04	Concrete	1.3	ND	ND
FM-1208-CO12-01	12/18/2015	0	0.04	Concrete	0.78	ND	ND
FM-1208-CO13-01	12/18/2015	0	0.04	Concrete	0.67	ND	ND
FM-1208-C016-01	12/18/2015	0	0.04	Concrete	0.27	ND	ND
FM-1208-SO01-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO02-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO03-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO05-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO06-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO09-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO10-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO11-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO14-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO14-01 FD	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO15-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO17-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO18-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO18-01 D	12/18/2015	0.3	0.5	Soil	0.039	ND	ND
FM-1208-SO19-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-S004-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND
FM-1208-S004-01 FD	8/1/2016	0.3	0.4	Soil	ND	ND	ND

Table 2
PCB Remediation at Building 1208
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analytical Method	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor-1260	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	NA	NA
				NRSRS (mg/kg)	1	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix			
FM-1208-S007-01	8/1/2016	0.3	0.4	Soil	0.038	ND	ND
FM-1208-S008-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND
FM-1208-S012-01	8/1/2016	0.3	0.4	Soil	0.037	ND	ND
FM-1208-S013-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND
FM-1208-S016-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 3
PCB Remediation at Building 1209
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix						
FM-1209-CO04-01	12/18/2015	0	0.04	Concrete	2	ND	ND	ND	ND	ND
FM-1209-CO07-01	12/18/2015	0	0.04	Concrete	1.8	ND	ND	ND	ND	ND
FM-1209-CO08-01	12/18/2015	0	0.04	Concrete	1.8	ND	ND	ND	ND	ND
FM-1209-CO12-01	12/18/2015	0	0.04	Concrete	0.44	ND	ND	ND	ND	ND
FM-1209-CO13-01	12/18/2015	0	0.04	Concrete	3.5	ND	ND	ND	ND	ND
FM-1209-CO16-01	12/18/2015	0	0.04	Concrete	4.7	ND	ND	ND	ND	ND
FM-1209-SO01-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO02-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO03-01	12/18/2015	0.3	0.5	Soil	0.057	ND	ND	ND	ND	ND
FM-1209-SO05-01	12/18/2015	0.3	0.5	Soil	0.053	ND	ND	ND	ND	ND
FM-1209-SO05-02	12/18/2015	0.7	0.8	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO06-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO09-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO10-01	12/18/2015	0.3	0.5	Soil	0.067	ND	ND	ND	ND	ND
FM-1209-SO11-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO14-01	12/18/2015	0.3	0.5	Soil	0.71	ND	ND	ND	ND	ND
FM-1209-SO14-01 FD	12/18/2015	0.3	0.5	Soil	1.1	ND	ND	ND	ND	ND
FM-1209-SO15-01	12/18/2015	0.3	0.5	Soil	4.3	ND	ND	ND	ND	ND
FM-1209-SO15-02	12/18/2015	0.7	0.8	Soil	0.059	ND	ND	ND	ND	ND
FM-1209-SO17-01	12/18/2015	0.3	0.5	Soil	11	ND	ND	ND	ND	ND
FM-1209-SO17-02	12/18/2015	0.7	0.8	Soil	2.1	ND	ND	ND	ND	ND
FM-1209-SO18-01	12/18/2015	0.3	0.5	Soil	1.6	ND	ND	ND	ND	ND
FM-1209-SO18-01 FD	12/18/2015	0.3	0.5	Soil	1.4	ND	ND	ND	ND	ND
FM-1209-SO19-01	12/18/2015	0.3	0.5	Soil	0.21	ND	ND	ND	ND	ND
FM-1209-SO19-02	12/18/2015	0.7	0.8	Soil	0.071	ND	ND	ND	ND	ND
FM-1209-C071-01	7/27/2016	0.3	0.3	Concrete	0.42	ND	ND	ND	ND	ND
FM-1209-S007-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S016-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S019-03	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S020-01	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S021-01	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S022-01	7/29/2016	1.8	1.9	Soil	0.052	ND	ND	ND	ND	ND

Table 3
PCB Remediation at Building 1209
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

					Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
					Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248
					Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
					RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2
					NRSRS (mg/kg)	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix							
FM-1209-S013-02	7/29/2016	0.8	0.9	Soil		ND	ND	ND	ND	ND	ND
FM-1209-S004-02	7/29/2016	0.8	0.9	Soil		ND	ND	ND	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 3
PCB Remediation at Building 1209
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	NA	NA
				NRSRS (mg/kg)	1	1	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix				
FM-1209-CO04-01	12/18/2015	0	0.04	Concrete	ND	2	ND	ND
FM-1209-CO07-01	12/18/2015	0	0.04	Concrete	ND	1.8	ND	ND
FM-1209-CO08-01	12/18/2015	0	0.04	Concrete	ND	1.8	ND	ND
FM-1209-CO12-01	12/18/2015	0	0.04	Concrete	ND	0.44	ND	ND
FM-1209-CO13-01	12/18/2015	0	0.04	Concrete	ND	3.5	ND	ND
FM-1209-CO16-01	12/18/2015	0	0.04	Concrete	ND	4.7	ND	ND
FM-1209-SO01-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO02-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO03-01	12/18/2015	0.3	0.5	Soil	ND	0.057	ND	ND
FM-1209-SO05-01	12/18/2015	0.3	0.5	Soil	ND	0.053	ND	ND
FM-1209-SO05-02	12/18/2015	0.7	0.8	Soil	ND	ND	ND	ND
FM-1209-SO06-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO09-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO10-01	12/18/2015	0.3	0.5	Soil	ND	0.067	ND	ND
FM-1209-SO11-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO14-01	12/18/2015	0.3	0.5	Soil	ND	0.71	ND	ND
FM-1209-SO14-01 FD	12/18/2015	0.3	0.5	Soil	ND	1.1	ND	ND
FM-1209-SO15-01	12/18/2015	0.3	0.5	Soil	ND	4.3	ND	ND
FM-1209-SO15-02	12/18/2015	0.7	0.8	Soil	ND	0.059	ND	ND
FM-1209-SO17-01	12/18/2015	0.3	0.5	Soil	ND	11	ND	ND
FM-1209-SO17-02	12/18/2015	0.7	0.8	Soil	ND	2.1	ND	ND
FM-1209-SO18-01	12/18/2015	0.3	0.5	Soil	ND	1.6	ND	ND
FM-1209-SO18-01 FD	12/18/2015	0.3	0.5	Soil	ND	1.4	ND	ND
FM-1209-SO19-01	12/18/2015	0.3	0.5	Soil	ND	0.21	ND	ND
FM-1209-SO19-02	12/18/2015	0.7	0.8	Soil	ND	0.071	ND	ND
FM-1209-C071-01	7/27/2016	0.3	0.3	Concrete	ND	0.42	ND	ND
FM-1209-S007-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND
FM-1209-S016-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND
FM-1209-S019-03	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND
FM-1209-S020-01	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND
FM-1209-S021-01	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND
FM-1209-S022-01	7/29/2016	1.8	1.9	Soil	ND	0.052	ND	ND

Table 3
PCB Remediation at Building 1209
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	NA	NA
				NRSRS (mg/kg)	1	1	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix				
FM-1209-S013-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND
FM-1209-S004-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Appendix A
Building 1002 IRA Report

TETRA TECH

1 November 2016

Mr. William R. Colvin, PMP, CHMM, PG
Fort Monmouth BRAC Environmental Coordinator
P.O. Box 148
Oceanport, New Jersey 07757

Re: Interim Removal Action at Building 1002,
Fort Monmouth, Oceanport, New Jersey
Contract Number W912DY-10-D-0015, Task Order 0007
DCN: TTEC-WERS-17-0022

ATTACHMENTS:

1. Figures
2. Photographs
3. Tabulated Analytical Results
4. Laboratory Analytical Results
5. New Jersey Requirements for Soil Compliance Averaging N.J.A.C. 7:26E-4.9(c)3i
6. Waste Disposal Information

Dear Mr. Colvin:

The purpose of this letter report is to document the tasks and methods associated with completing the interim removal action (IRA) of polychlorinated biphenyl- (PCB-) contaminated soil and concrete at Building 1002 to facilitate the transfer of property from Fort Monmouth (FTMM) to the private sector under the Base Realignment and Closure (BRAC) program.

SITE DESCRIPTION

Fort Monmouth is a former installation of the Department of the Army (Army) in Monmouth County, New Jersey. The post is surrounded by the communities of Eatontown, Tinton Falls and Oceanport, New Jersey, and is located about 5 miles from the Atlantic Ocean. The post covers nearly 1,126 acres of land, from the Shrewsbury River on the east, to Route 35 on the west; this area is referred to as 'Main Post'. A separate area (Camp Charles Wood) to the west includes post housing, a golf course, and additional office and laboratory facilities; this area was previously transferred to the Fort Monmouth Economic Revitalization Authority.

The installation began operation in September 1917. Additional land was purchased, and at its peak during World War II, FTMM measured 1,713 acres, and had billeting space for 1,559 officers and 19,786 enlisted personnel. The post was home to 1) several units of the U.S. Army Materiel Command; 2) offices of the Army Acquisition Executive that research and manage Command and Control, Communications, Computing, Intelligence, Surveillance and Reconnaissance capabilities and related technology; 3) an academic preparatory school; 4) an explosive ordnance disposal unit; 5) a garrison services unit; 6) an Army health clinic; and 7) a Veterans Administration health clinic. Other agencies, including the Federal Bureau of Investigation, Federal Emergency Management Agency and the National Security Agency, were also located at FTMM.

The post was selected for closure by the BRAC Program in 2005. Most Army functions and personnel were required to be moved to Army facilities in Maryland, such as Aberdeen Proving Ground, and Ohio by 2011. FTMM officially closed on September 15, 2011.

SCOPE OF WORK

In June 2015, a records review conducted by FTMM identified three areas with documented PCB spills that had been sampled but had not achieved regulatory closure. Building 1002 was identified as a transformer site requiring additional action due to the presence of PCBs in concrete. During a 1989 investigation, oil from the transformer was found to contain PCBs. This transformer was replaced in 1990. An area of stained concrete was first noted in 1995 and concrete sample results exhibited a PCB concentration of 8,400 milligrams per kilogram (mg/kg).

Tetra Tech was tasked with conducting an IRA for the PCB-contaminated slab at Building 1002.

ANALYTICAL RESULTS

Tetra Tech completed initial concrete sampling at Building 1002 on 13 October 2015. Surficial concrete samples were collected using a hammer drill and chisel bit from 0 to 0.5 inches (in.). The samples were collected and any remaining concrete residue was removed. Deeper samples (1 to 4 in.) were also collected using a hammer drill.

Photographs 1 and 2 (**Attachment 2**) taken prior to and after the sampling event document conditions and sample locations. A total of eight samples were collected from four sample points along the centerline (lengthwise) of the former transformer location as follows:

- Sample points S1 and S2 were located to the south and north of the center point, respectively, offset by 20-inches from the center. Samples S101/S201 were collected at 0 to 0.5 in. depth; samples S102/S202 were collected at 1 to 4 in. depth.
- Sample points S3 and S4 were off set from S1 and S2, respectively, by 20 in. along the centerline; samples S301/S401 were collected at 0 to 0.5 in. depth; samples S302/S402 were collected at 1 to 4 in. depth.

The New Jersey Site Remediation Program has established residential and non-residential direct contact Soil Remediation Standards (SRS) for PCBs. The Residential SRS (RSRS) is 0.2 mg/kg and the Nonresidential SRS (NRSRS) is 1 mg/kg.

The four surficial samples were positive for the presence of Aroclor-1254. Only two of the four exceeded the RSRS. Total PCB concentrations for the surficial samples are as follows:

- S101 at 0.49 mg/kg (exceeds RSRS)
- S201 at 0.75 mg/kg (exceeds RSRS)
- S301 at 0.10 mg/kg
- S401 at 0.14 mg/kg

The deeper samples (1 to 4 in. depth) were all non-detect for PCBs. Sample results from the October 2015 sampling event are summarized in **Table 1**.

In December 2015, Tetra Tech removed an approximately 6 in. thick, PCB-impacted concrete slab that was 8.5 feet (ft.) by 6.5 ft. (**Photograph 3**). Twenty-four sub-slab soil samples were collected at 17 locations following the concrete removal. In addition, concrete samples were collected at two adjacent locations, 008 and 012 (**Figure 1**).

Nineteen soil samples had Aroclor detections with six exceeding the total Aroclor RSRS of 0.2 mg/kg and six exceeding the total Aroclor NRSRS of 1.0 mg/kg. Three shallow and three deep soil samples exceeded the total Aroclor RSRS of 0.2 mg/kg. Four shallow and two deeper soil samples exceeded the total Aroclor NRSRS of 1.0 mg/kg. The two concrete samples taken at locations 008 and 012 also exceeded the total Aroclor RSRS. The highest total Aroclor concentration of 5.7 mg/kg was detected at shallow soil sample location 014. The sample locations and results are shown on **Figure 1**. **Table 1** summarizes the laboratory results for this event.

In accordance with Letter Work Plan dated 2 June 2016, *Removal of PCB-Contaminated Materials at Buildings 1002, 1208 and 1209 and Parcel 97 (Building 978),* removal of PCB-impacted concrete and soil above the total Aroclor RSRS of 0.2 mg/kg and soil confirmation sampling was completed.

In August 2016, Tetra Tech and its subcontractor AWT Environmental Services removed concrete and soil from areas identified during the December 2015 investigation. **Figure 2** shows the 2 ft. by 2 ft. area of concrete removed at sample locations 008 and 012. Soil was then excavated to a depth of 1.5 ft. below where the concrete slab was removed in both December and July (**Photograph 4**).

Seven soil confirmation samples and two field duplicates were collected at or adjacent to previous PCB exceedances and analyzed for PCBs and extractable petroleum hydrocarbons (EPH) to verify concentrations below the RSRS had been achieved (**Figure 2** and **Table 2**). There were no EPH detections in any of the confirmation samples. Two samples had Aroclor detections at 0.043 mg/kg at location 023 (below the RSRS of 0.2 mg/kg) and 0.46 mg/kg at location 012 (above the RSRS). The requirements of N.J.A.C. 7:26E-4.9(c)3i (**Attachment 5**) allow the average contaminant concentration of an area of remediation to determine compliance with remediation standards or soil cleanup criteria rather than the individual sample concentration. Using the confirmation sampling results from the most recent samples, including the exceedance at sample location 012, a compliance average of 0.0664 mg/kg was calculated, which is below the RSRS of 0.2 mg/kg. The calculation of the compliance average is provided in **Table 3**. The confirmation sample results are below the Toxic Substances Control Act (TSCA) unrestricted use standard of 1 mg/kg.

On 1-3 August 2016, Tetra Tech coordinated the loadout of potentially PCB-impacted soils from Building 1002 in conjunction with the loadout of materials from Buildings 1208, 1209, and 978 (Parcel 97). The material was transported to the Wayne Disposal, Inc. landfill facility in Belleville, Michigan. Water collected during the decontamination activities for Buildings 1002, 1208, and 1209 was stored in three 55-gallon drums and removed on 29 August 2016 to Cycle Chem. Inc. in Elizabeth, New Jersey for disposal. Waste disposition documentation is provided in **Attachment 6**.

CONCLUSIONS AND RECOMMENDATIONS

This letter report summarizes the IRA of PCB-impacted soil and concrete at Building 1002. As presented herein, concrete and soil impacted by PCBs have been successfully removed under the IRA meeting New Jersey RSRS and TSCA unrestricted use standards. As such, no further remediation is recommended in Building 1002. Should you have any questions or require additional information, please do not hesitate to contact the undersigned at (865) 220-4757 or via e-mail at mikael.spangberg@tetratech.com.

Sincerely,

Mikael L. Spangberg, P.E., PMP
Program Manager

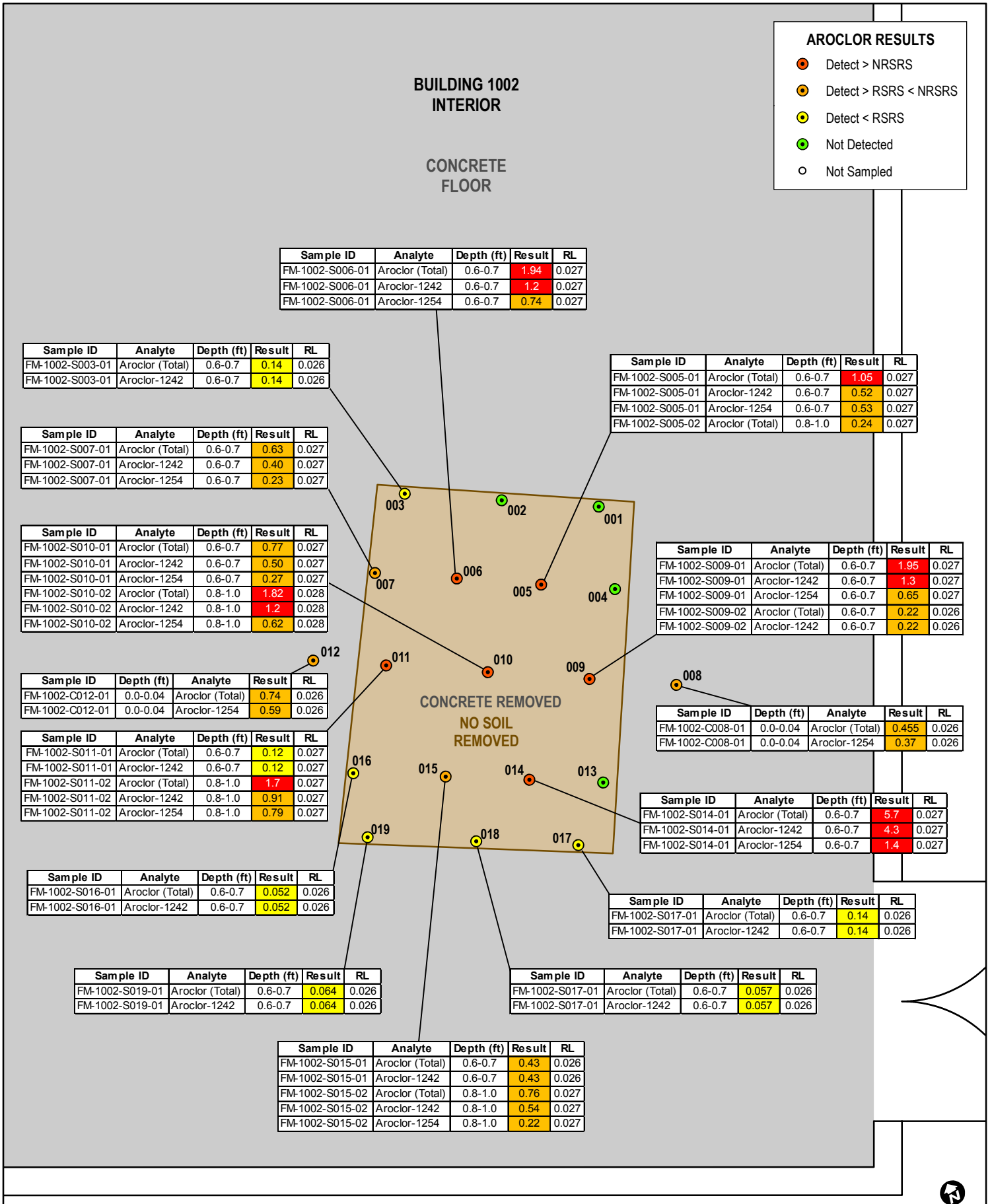
TETRA TECH

Document Distribution List

U.S. Army Engineering & Support Center, Huntsville Project Manager and Contracting Officer's Representative Attn: CEHNC-ED-CS-P (Mary Young) 4820 University Square Huntsville, AL 35816-1822	1 electronic (via email)
U.S. Army Corps of Engineers, New York District Attn: CENAN-PP-E (Mr. James Moore) 26 Federal Plaza, Room 1811 New York, NY 10278	1 electronic (via email)
U.S. Army Fort Monmouth Attn: William Colvin 100 Barton Ave. Oceanport, NJ 07757	1 electronic (via email)

ATTACHMENT 1

FIGURES



Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S006-01	Aroclor (Total)	0.6-0.7	1.94	0.027
FM-1002-S006-01	Aroclor-1242	0.6-0.7	1.2	0.027
FM-1002-S006-01	Aroclor-1254	0.6-0.7	0.74	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S003-01	Aroclor (Total)	0.6-0.7	0.14	0.026
FM-1002-S003-01	Aroclor-1242	0.6-0.7	0.14	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S005-01	Aroclor (Total)	0.6-0.7	1.05	0.027
FM-1002-S005-01	Aroclor-1242	0.6-0.7	0.52	0.027
FM-1002-S005-01	Aroclor-1254	0.6-0.7	0.53	0.027
FM-1002-S005-02	Aroclor (Total)	0.8-1.0	0.24	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S007-01	Aroclor (Total)	0.6-0.7	0.63	0.027
FM-1002-S007-01	Aroclor-1242	0.6-0.7	0.40	0.027
FM-1002-S007-01	Aroclor-1254	0.6-0.7	0.23	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S010-01	Aroclor (Total)	0.6-0.7	0.77	0.027
FM-1002-S010-01	Aroclor-1242	0.6-0.7	0.50	0.027
FM-1002-S010-01	Aroclor-1254	0.6-0.7	0.27	0.027
FM-1002-S010-02	Aroclor (Total)	0.8-1.0	1.82	0.028
FM-1002-S010-02	Aroclor-1242	0.8-1.0	1.2	0.028
FM-1002-S010-02	Aroclor-1254	0.8-1.0	0.62	0.028

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S009-01	Aroclor (Total)	0.6-0.7	1.95	0.027
FM-1002-S009-01	Aroclor-1242	0.6-0.7	1.3	0.027
FM-1002-S009-01	Aroclor-1254	0.6-0.7	0.65	0.027
FM-1002-S009-02	Aroclor (Total)	0.6-0.7	0.22	0.026
FM-1002-S009-02	Aroclor-1242	0.6-0.7	0.22	0.026

Sample ID	Depth (ft)	Analyte	Result	RL
FM-1002-C012-01	0.0-0.04	Aroclor (Total)	0.74	0.026
FM-1002-C012-01	0.0-0.04	Aroclor-1254	0.59	0.026

Sample ID	Depth (ft)	Analyte	Result	RL
FM-1002-C008-01	0.0-0.04	Aroclor (Total)	0.455	0.026
FM-1002-C008-01	0.0-0.04	Aroclor-1254	0.37	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S011-01	Aroclor (Total)	0.6-0.7	0.12	0.027
FM-1002-S011-01	Aroclor-1242	0.6-0.7	0.12	0.027
FM-1002-S011-02	Aroclor (Total)	0.8-1.0	1.7	0.027
FM-1002-S011-02	Aroclor-1242	0.8-1.0	0.91	0.027
FM-1002-S011-02	Aroclor-1254	0.8-1.0	0.79	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S014-01	Aroclor (Total)	0.6-0.7	5.7	0.027
FM-1002-S014-01	Aroclor-1242	0.6-0.7	4.3	0.027
FM-1002-S014-01	Aroclor-1254	0.6-0.7	1.4	0.027

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S016-01	Aroclor (Total)	0.6-0.7	0.052	0.026
FM-1002-S016-01	Aroclor-1242	0.6-0.7	0.052	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S017-01	Aroclor (Total)	0.6-0.7	0.14	0.026
FM-1002-S017-01	Aroclor-1242	0.6-0.7	0.14	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S019-01	Aroclor (Total)	0.6-0.7	0.064	0.026
FM-1002-S019-01	Aroclor-1242	0.6-0.7	0.064	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S017-01	Aroclor (Total)	0.6-0.7	0.057	0.026
FM-1002-S017-01	Aroclor-1242	0.6-0.7	0.057	0.026

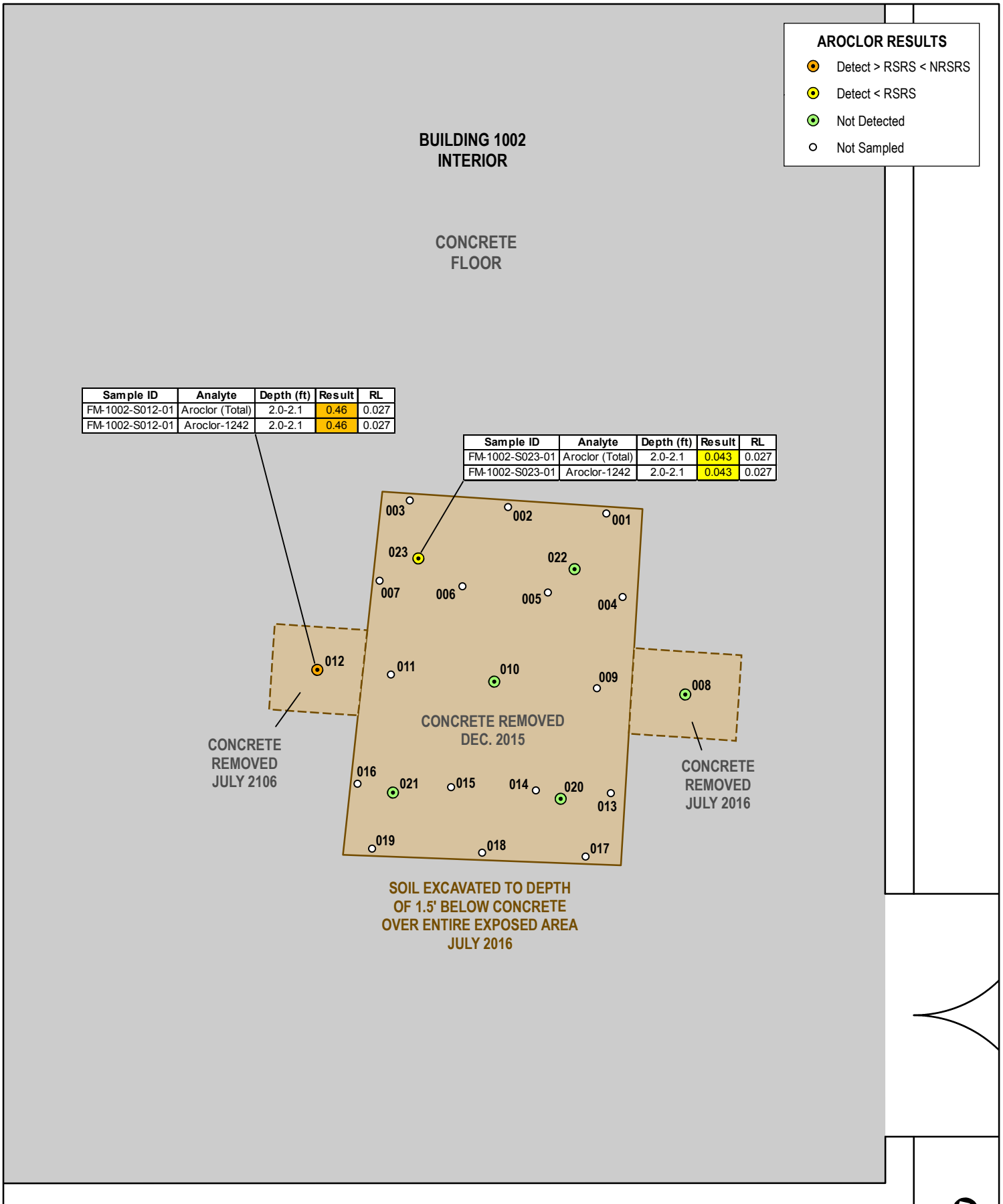
Sample ID	Analyte	Depth (ft)	Result	RL
FM-1002-S015-01	Aroclor (Total)	0.6-0.7	0.43	0.026
FM-1002-S015-01	Aroclor-1242	0.6-0.7	0.43	0.026
FM-1002-S015-02	Aroclor (Total)	0.8-1.0	0.76	0.027
FM-1002-S015-02	Aroclor-1242	0.8-1.0	0.54	0.027
FM-1002-S015-02	Aroclor-1254	0.8-1.0	0.22	0.027

TETRA TECH

Feet
0 1 2 3 4 5

NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ
FIGURE 1
BLDG. 1002 SAMPLING RESULTS - DEC. 2015



TETRA TECH

Feet
0 1 2 3 4 5

NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 2
BLDG. 1002 SAMPLING RESULTS - JULY 2016

ATTACHMENT 2

PHOTOGRAPHS

Photograph 1. Building 1002, PCB concrete sampling locations S3, S1, S2, and S4 from left to right in photo, view west, 13 October 2015.

Photograph 2. Building 1002, PCB concrete sample locations, view west October 2015.

Photograph 3. Building 1002, PCB soil and concrete sample locations, view north, 18 December 2015.

Photograph 4. Building 1002, PCB soil sample locations, view northeast, 2 August 2016.

ATTACHMENT 3

TABULATED ANALYTICAL RESULTS

Table 1
PCB Remediation at Building 1002
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix								
FM 1002-S101	10/13/2015	0	0.04	Concrete	0.49	ND	ND	ND	ND	ND	0.49	ND
FM 1002-S102	10/13/2015	0.1	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM 1002-S201	10/13/2015	0	0.04	Concrete	0.75	ND	ND	ND	ND	ND	0.75	ND
FM 1002-S202	10/13/2015	0.1	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM 1002-S301	10/13/2015	0	0.04	Concrete	0.1	ND	ND	ND	ND	ND	0.1	ND
FM 1002-S302	10/13/2015	0.1	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM 1002-S401	10/13/2015	0	0.04	Concrete	0.14	ND	ND	ND	ND	ND	0.14	ND
FM 1002-S402	10/13/2015	0.1	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-C008-01	12/17/2015	0	0.04	Concrete	0.455	ND	ND	ND	0.085	ND	0.37	ND
FM-1002-C008-02	12/17/2015	0.2	0.3	Concrete	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-C012-01	12/17/2015	0	0.04	Concrete	0.74	ND	ND	ND	0.15	ND	0.59	ND
FM-1002-C012-02	12/17/2015	0.2	0.3	Concrete	0.055	ND	ND	ND	ND	0.055	ND	ND
FM-1002-S001-01	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S002-01	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S003-01	12/16/2015	0.6	0.7	SOIL	0.14	ND	ND	ND	0.14	ND	ND	ND
FM-1002-S004-01	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S005-01	12/16/2015	0.6	0.7	SOIL	1.05	ND	ND	ND	0.52	ND	0.53	ND
FM-1002-S005-02	12/16/2015	0.8	1	SOIL	0.24	ND	ND	ND	0.11	ND	0.13	ND
FM-1002-S006-01	12/16/2015	0.6	0.7	SOIL	1.94	ND	ND	ND	1.2	ND	0.74	ND
FM-1002-S007-01	12/16/2015	0.6	0.7	SOIL	0.63	ND	ND	ND	0.4	ND	0.23	ND
FM-1002-S009-01	12/16/2015	0.6	0.7	SOIL	1.95	ND	ND	ND	1.3	ND	0.65	ND
FM-1002-S009-02	12/16/2015	0.8	1	SOIL	0.22	ND	ND	ND	0.22	ND	ND	ND
FM-1002-S010-01	12/16/2015	0.6	0.7	SOIL	0.77	ND	ND	ND	0.5	ND	0.27	ND
FM-1002-S010-02	12/16/2015	0.8	1	SOIL	1.82	ND	ND	ND	1.2	ND	0.62	ND
FM-1002-S011-01	12/16/2015	0.6	0.7	SOIL	0.12	ND	ND	ND	0.12	ND	ND	ND
FM-1002-S011-02	12/16/2015	0.8	1	SOIL	1.7	ND	ND	ND	0.91	ND	0.79	ND
FM-1002-S013-01	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S013-01 FD	12/16/2015	0.6	0.7	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S014-01	12/16/2015	0.6	0.7	SOIL	5.7	ND	ND	ND	4.3	ND	1.4	ND
FM-1002-S015-01	12/16/2015	0.6	0.7	SOIL	0.43	ND	ND	ND	0.43	ND	ND	ND
FM-1002-S015-02	12/16/2015	0.8	1	SOIL	0.76	ND	ND	ND	0.54	ND	0.22	ND
FM-1002-S016-01	12/16/2015	0.6	0.7	SOIL	0.052	ND	ND	ND	0.052	ND	ND	ND

Table 1
PCB Remediation at Building 1002
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix								
FM-1002-S017-01	12/16/2015	0.6	0.7	SOIL	0.14	ND	ND	ND	0.14	ND	ND	ND
FM-1002-S018-01	12/16/2015	0.6	0.7	SOIL	0.057	ND	ND	ND	0.057	ND	ND	ND
FM-1002-S018-01 FD	12/16/2015	0.6	0.7	SOIL	0.18	ND	ND	ND	0.18	ND	ND	ND
FM-1002-S019-01	12/16/2015	0.6	0.7	SOIL	0.064	ND	ND	ND	0.064	ND	ND	ND
FM-1002-S008-01	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S010-03	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S010-03 FD	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S012-01	8/2/2016	2	2.1	SOIL	0.46	ND	ND	ND	0.46	ND	ND	ND
FM-1002-S020-01	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S021-01	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S021-01 FD	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S022-01	8/2/2016	2	2.1	SOIL	ND	ND	ND	ND	ND	ND	ND	ND
FM-1002-S023-01	8/2/2016	2	2.1	SOIL	0.043	ND	ND	ND	0.043	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 1
PCB Remediation at Building 1002
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

					Analtyical Method	EPA 8082A	EPA 8082A
					Parameter	Aroclor-1262	Aroclor-1268
					Units	mg/kg	mg/kg
					RSRS (mg/kg)	NA	NA
					NRSRS (mg/kg)	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix			
FM 1002-S101	10/13/2015	0	0.04	Concrete		ND	ND
FM 1002-S102	10/13/2015	0.1	0.3	Concrete		ND	ND
FM 1002-S201	10/13/2015	0	0.04	Concrete		ND	ND
FM 1002-S202	10/13/2015	0.1	0.3	Concrete		ND	ND
FM 1002-S301	10/13/2015	0	0.04	Concrete		ND	ND
FM 1002-S302	10/13/2015	0.1	0.3	Concrete		ND	ND
FM 1002-S401	10/13/2015	0	0.04	Concrete		ND	ND
FM 1002-S402	10/13/2015	0.1	0.3	Concrete		ND	ND
FM-1002-C008-01	12/17/2015	0	0.04	Concrete		ND	ND
FM-1002-C008-02	12/17/2015	0.2	0.3	Concrete		ND	ND
FM-1002-C012-01	12/17/2015	0	0.04	Concrete		ND	ND
FM-1002-C012-02	12/17/2015	0.2	0.3	Concrete		ND	ND
FM-1002-S001-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S002-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S003-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S004-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S005-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S005-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S006-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S007-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S009-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S009-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S010-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S010-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S011-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S011-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S013-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S013-01 FD	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S014-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S015-01	12/16/2015	0.6	0.7	SOIL		ND	ND
FM-1002-S015-02	12/16/2015	0.8	1	SOIL		ND	ND
FM-1002-S016-01	12/16/2015	0.6	0.7	SOIL		ND	ND

Table 1
PCB Remediation at Building 1002
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Parameter	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg
				RSRS (mg/kg)	NA	NA
				NRSRS (mg/kg)	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix		
FM-1002-S017-01	12/16/2015	0.6	0.7	SOIL	ND	ND
FM-1002-S018-01	12/16/2015	0.6	0.7	SOIL	ND	ND
FM-1002-S018-01 FD	12/16/2015	0.6	0.7	SOIL	ND	ND
FM-1002-S019-01	12/16/2015	0.6	0.7	SOIL	ND	ND
FM-1002-S008-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S010-03	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S010-03 FD	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S012-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S020-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S021-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S021-01 FD	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S022-01	8/2/2016	2	2.1	SOIL	ND	ND
FM-1002-S023-01	8/2/2016	2	2.1	SOIL	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 2
PCB Remediation at Building 1002
Excavation Confirmation EPH Sample Results
Fort Monmouth, New Jersey

					Analytical Method		NJEPHRev3B
					Parameter		C9-C40
					Units		mg/kg
					RSRS (mg/kg)		NA
					NRSRS (mg/kg)		NA
Location	Sample ID	Collection Date	(ft bgs)	End Depth	LabSampleID	Matrix	
Building 1002	FM-1002-S008-01	8/2/2016	2	2.1	AC92742-001	Soil	ND
Building 1002	FM-1002-S010-03	8/2/2016	2	2.1	AC92742-002	Soil	ND
Building 1002	FM-1002-S010-03 FD	8/2/2016	2	2.1	AC92742-003	Soil	ND
Building 1002	FM-1002-S012-01	8/2/2016	2	2.1	AC92742-004	Soil	ND
Building 1002	FM-1002-S020-01	8/2/2016	2	2.1	AC92742-005	Soil	ND
Building 1002	FM-1002-S021-01	8/2/2016	2	2.1	AC92742-006	Soil	ND
Building 1002	FM-1002-S021-01 FD	8/2/2016	2	2.1	AC92742-007	Soil	ND
Building 1002	FM-1002-S022-01	8/2/2016	2	2.1	AC92742-008	Soil	ND
Building 1002	FM-1002-S023-01	8/2/2016	2	2.1	AC92742-009	Soil	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
N/A	No criterion derived for this constituent.

Table 3
PCB Remediation at Building 1002
Complaince Averaging Calculation
Fort Monmouth, New Jersey

					Analytical Method	EPA 8082A	EPA 8082A
					Parameter	Aroclor (Total)	Aroclor-1242
					Units	mg/kg	mg/kg
					RSRS (mg/kg)	0.2	0.2
					NRSRS (mg/kg)	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	LabSampleID	Matrix		
FM-1002-S008-01	8/2/2016	2	2.1	AC92742-001	Soil	0.0135	0.0135
FM-1002-S010-03	8/2/2016	2	2.1	AC92742-002	Soil	0.0135	0.0135
FM-1002-S010-03 FD	8/2/2016	2	2.1	AC92742-003	Soil	0.0135	0.0135
FM-1002-S012-01	8/2/2016	2	2.1	AC92742-004	Soil	0.46	0.46
FM-1002-S020-01	8/2/2016	2	2.1	AC92742-005	Soil	0.0135	0.0135
FM-1002-S021-01	8/2/2016	2	2.1	AC92742-006	Soil	0.0135	0.0135
FM-1002-S021-01 FD	8/2/2016	2	2.1	AC92742-007	Soil	0.0135	0.0135
FM-1002-S022-01	8/2/2016	2	2.1	AC92742-008	Soil	0.0135	0.0135
FM-1002-S023-01	8/2/2016	2	2.1	AC92742-009	Soil	0.043	0.043
					Average of Results	**0.0664**	**0.0664**

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
	Not Detected, 1/2 detection limit used
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

ATTACHMENT 4

LABORATORY ANALYTICAL REPORTS

Building 1002 Sample Cross-Reference

Area	Field Sample	Collected	Matrix	Lab Sample ID	Lab SDG
Building 1002	FM 1002-S101	10/13/2015	Concrete	AC87535-001	5101303
Building 1002	FM 1002-S102	10/13/2015	Concrete	AC87535-002	5101303
Building 1002	FM 1002-S201	10/13/2015	Concrete	AC87535-003	5101303
Building 1002	FM 1002-S202	10/13/2015	Concrete	AC87535-004	5101303
Building 1002	FM 1002-S301	10/13/2015	Concrete	AC87535-005	5101303
Building 1002	FM 1002-S302	10/13/2015	Concrete	AC87535-006	5101303
Building 1002	FM 1002-S401	10/13/2015	Concrete	AC87535-007	5101303
Building 1002	FM 1002-S402	10/13/2015	Concrete	AC87535-008	5101303
Building 1002	FM-1002-S001-01	12/16/2015	Soil	AC88799-001	5121716
Building 1002	FM-1002-S002-01	12/16/2015	Soil	AC88799-003	5121716
Building 1002	FM-1002-S003-01	12/16/2015	Soil	AC88799-004	5121716
Building 1002	FM-1002-S004-01	12/16/2015	Soil	AC88799-006	5121716
Building 1002	FM-1002-S005-01	12/16/2015	Soil	AC88799-007	5121716
Building 1002	FM-1002-S006-01	12/16/2015	Soil	AC88799-008	5121716
Building 1002	FM-1002-S007-01	12/16/2015	Soil	AC88799-009	5121716
Building 1002	FM-1002-S009-01	12/16/2015	Soil	AC88799-010	5121716
Building 1002	FM-1002-S009-02	12/16/2015	Soil	AC88799-011	5121716
Building 1002	FM-1002-S010-01	12/16/2015	Soil	AC88799-012	5121716
Building 1002	FM-1002-S010-02	12/16/2015	Soil	AC88799-013	5121716
Building 1002	FM-1002-S011-01	12/16/2015	Soil	AC88799-014	5121716
Building 1002	FM-1002-S011-02	12/16/2015	Soil	AC88799-015	5121716
Building 1002	FM-1002-S013-01	12/16/2015	Soil	AC88799-017	5121716
Building 1002	FM-1002-S013-01 FD	12/16/2015	Soil	AC88799-018	5121716
Building 1002	FM-1002-S014-01	12/16/2015	Soil	AC88799-019	5121716
Building 1002	FM-1002-S015-01	12/16/2015	Soil	AC88799-020	5121716
Building 1002	FM-1002-S016-01	12/16/2015	Soil	AC88799-021	5121716
Building 1002	FM-1002-S017-01	12/16/2015	Soil	AC88799-022	5121716
Building 1002	FM-1002-S018-01	12/16/2015	Soil	AC88799-024	5121716
Building 1002	FM-1002-S018-01 FD	12/16/2015	Soil	AC88799-025	5121716
Building 1002	FM-1002-S019-01	12/16/2015	Soil	AC88799-026	5121716
Building 1002	FM-1002-S015-02	12/16/2015	Soil	AC88799-028	5121716
Building 1002	FM-1002-S005-02	12/16/2015	Soil	AC88799-029	5121716
Building 1002	FM-1002-C008-01	12/17/2015	Concrete	AC88850-001	5122105
Building 1002	FM-1002-C008-02	12/17/2015	Concrete	AC88850-002	5122105
Building 1002	FM-1002-C012-01	12/17/2015	Concrete	AC88850-003	5122105
Building 1002	FM-1002-C012-02	12/17/2015	Concrete	AC88850-004	5122105
Building 1002	FM-1002-S014-01	12/17/2015	Soil	AC88850-005	5122105
Building 1002	FM-1002-S008-01	8/2/2016	Soil	AC92742-001	6080302
Building 1002	FM-1002-S010-03	8/2/2016	Soil	AC92742-002	6080302
Building 1002	FM-1002-S010-03 FD	8/2/2016	Soil	AC92742-003	6080302
Building 1002	FM-1002-S012-01	8/2/2016	Soil	AC92742-004	6080302
Building 1002	FM-1002-S020-01	8/2/2016	Soil	AC92742-005	6080302
Building 1002	FM-1002-S021-01	8/2/2016	Soil	AC92742-006	6080302
Building 1002	FM-1002-S021-01 FD	8/2/2016	Soil	AC92742-007	6080302
Building 1002	FM-1002-S022-01	8/2/2016	Soil	AC92742-008	6080302
Building 1002	FM-1002-S023-01	8/2/2016	Soil	AC92742-009	6080302

Hampton-Clarke Report Of Analysis

Client: Tetra Tech Inc.
HC Project #: 5101303
Project: PCB for Bldg 1002

Sample ID: FM 1002-S101
Lab#: AC87535-001
Matrix: Concrete
Collection Date: 10/13/2015
Receipt Date: 10/13/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**100**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.025**	**0.49**
Aroclor-1016	1	mg/kg	0.025	ND
Aroclor-1221	1	mg/kg	0.025	ND
Aroclor-1232	1	mg/kg	0.025	ND
Aroclor-1242	1	mg/kg	0.025	ND
Aroclor-1248	1	mg/kg	0.025	ND
Aroclor-1254	**1**	**mg/kg**	**0.025**	**0.49**
Aroclor-1260	1	mg/kg	0.025	ND
Aroclor-1262	1	mg/kg	0.025	ND
Aroclor-1268	1	mg/kg	0.025	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	91.42	100	30	150	91	
TCMX-Surrogate	88.19	100	30	150	88	
DCB-Surrogate	113.11	100	30	150	113	
DCB-Surrogate	120.15	100	30	150	120	

Sample ID: FM 1002-S102
Lab#: AC87535-002
Matrix: Concrete

Collection Date: 10/13/2015
Receipt Date: 10/13/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**98**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	101.05	100	30	150	101	
TCMX-Surrogate	100.69	100	30	150	101	
DCB-Surrogate	119.34	100	30	150	119	
DCB-Surrogate	126.10	100	30	150	126	

Sample ID: FM 1002-S201
Lab#: AC87535-003
Matrix: Concrete

Collection Date: 10/13/2015
Receipt Date: 10/13/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**99**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.025**	**0.75**
Aroclor-1016	1	mg/kg	0.025	ND
Aroclor-1221	1	mg/kg	0.025	ND
Aroclor-1232	1	mg/kg	0.025	ND
Aroclor-1242	1	mg/kg	0.025	ND
Aroclor-1248	1	mg/kg	0.025	ND
Aroclor-1254	**1**	**mg/kg**	**0.025**	**0.75**
Aroclor-1260	1	mg/kg	0.025	ND
Aroclor-1262	1	mg/kg	0.025	ND
Aroclor-1268	1	mg/kg	0.025	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	97.22	100	30	150	97	
TCMX-Surrogate	94.38	100	30	150	94	
DCB-Surrogate	114.95	100	30	150	115	
DCB-Surrogate	120.88	100	30	150	121	

Sample ID: FM 1002-S202
Lab#: AC87535-004
Matrix: Concrete

Collection Date: 10/13/2015
Receipt Date: 10/13/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**99**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.025	ND
Aroclor-1016	1	mg/kg	0.025	ND
Aroclor-1221	1	mg/kg	0.025	ND
Aroclor-1232	1	mg/kg	0.025	ND
Aroclor-1242	1	mg/kg	0.025	ND
Aroclor-1248	1	mg/kg	0.025	ND
Aroclor-1254	1	mg/kg	0.025	ND
Aroclor-1260	1	mg/kg	0.025	ND
Aroclor-1262	1	mg/kg	0.025	ND
Aroclor-1268	1	mg/kg	0.025	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	100.67	100	30	150	101	
TCMX-Surrogate	101.42	100	30	150	101	
DCB-Surrogate	118.92	100	30	150	119	
DCB-Surrogate	126.28	100	30	150	126	

Sample ID: FM 1002-S301
Lab#: AC87535-005
Matrix: Concrete

Collection Date: 10/13/2015
Receipt Date: 10/13/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**100**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.025**	**0.1**
Aroclor-1016	1	mg/kg	0.025	ND
Aroclor-1221	1	mg/kg	0.025	ND
Aroclor-1232	1	mg/kg	0.025	ND
Aroclor-1242	1	mg/kg	0.025	ND
Aroclor-1248	1	mg/kg	0.025	ND
Aroclor-1254	**1**	**mg/kg**	**0.025**	**0.10**
Aroclor-1260	1	mg/kg	0.025	ND
Aroclor-1262	1	mg/kg	0.025	ND
Aroclor-1268	1	mg/kg	0.025	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	100.66	100	30	150	101	
TCMX-Surrogate	120.94	100	30	150	121	
DCB-Surrogate	113.17	100	30	150	113	
DCB-Surrogate	109.24	100	30	150	109	

Sample ID: FM 1002-S302
Lab#: AC87535-006
Matrix: Concrete

Collection Date: 10/13/2015
Receipt Date: 10/13/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**99**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.025	ND
Aroclor-1016	1	mg/kg	0.025	ND
Aroclor-1221	1	mg/kg	0.025	ND
Aroclor-1232	1	mg/kg	0.025	ND
Aroclor-1242	1	mg/kg	0.025	ND
Aroclor-1248	1	mg/kg	0.025	ND
Aroclor-1254	1	mg/kg	0.025	ND
Aroclor-1260	1	mg/kg	0.025	ND
Aroclor-1262	1	mg/kg	0.025	ND
Aroclor-1268	1	mg/kg	0.025	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	92.69	100	30	150	93	
TCMX-Surrogate	97.60	100	30	150	98	
DCB-Surrogate	106.85	100	30	150	107	
DCB-Surrogate	115.56	100	30	150	116	

Sample ID: FM 1002-S401
Lab#: AC87535-007
Matrix: Concrete

Collection Date: 10/13/2015
Receipt Date: 10/13/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**99**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.025**	**0.14**
Aroclor-1016	1	mg/kg	0.025	ND
Aroclor-1221	1	mg/kg	0.025	ND
Aroclor-1232	1	mg/kg	0.025	ND
Aroclor-1242	1	mg/kg	0.025	ND
Aroclor-1248	1	mg/kg	0.025	ND
Aroclor-1254	**1**	**mg/kg**	**0.025**	**0.14**
Aroclor-1260	1	mg/kg	0.025	ND
Aroclor-1262	1	mg/kg	0.025	ND
Aroclor-1268	1	mg/kg	0.025	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	99.68	100	30	150	100	
TCMX-Surrogate	126.63	100	30	150	127	
DCB-Surrogate	112.14	100	30	150	112	
DCB-Surrogate	108.15	100	30	150	108	

Sample ID: FM 1002-S402
Lab#: AC87535-008
Matrix: Concrete

Collection Date: 10/13/2015
Receipt Date: 10/13/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**98**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	98.48	100	30	150	98	
TCMX-Surrogate	110.46	100	30	150	110	
DCB-Surrogate	112.49	100	30	150	112	
DCB-Surrogate	120.96	100	30	150	121	

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5101303

Page 1 of 1

Customer Information

1a) Customer: Tetra tech
Address: 1093 Commerce Park Dr. Suite 100, Oak Ridge, TN 07830
1b) Email/Cell/Fax/Ph: Roberto.Rolon@tetratech.com
1c) Send Invoice to:
1d) Send Report to:

Project Information

2a) Project: PCB for Bldg 1002
2b) Project Mgr: Rob Rolon
2c) Project Location (City/State):
2d) Quote/PO # (If Applicable): 100-TEM-T33367

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other: PDF

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY

Batch # AC81535

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water; S - Soil; A - Air; GW - Ground Water; SL - Sludge; WW - Waste Water; OL - Oil; OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	FM 1002-S101	OT	10/13/15	9:52		X	X	1								
-002	FM 1002-S102			10:02												
-003	FM 1002-S201			10:10												
-004	FM 1002-S202			10:20												
-005	FM 1002-S301			10:22												
-006	FM 1002-S302			10:28												
-007	FM 1002-S401			10:30												
-008	FM 1002-S402			10:34				1								

10) Relinquished by:	Accepted by:	Date	Time
[signature]	[signature]	10/13/15	13:00

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, Indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.9c

11) Sampler (print name): [illegible] Date: 10/13/15

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Additional Notes

HC Report of Analysis

Client: Tetra Tech Inc.
HC Project #: 5121716
Project: Concrete Removal for PCB

Sample ID: FM-1002-S001-01
Lab#: AC88799-001
Matrix: Soil
Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S002-01
Lab#: AC88799-003
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		90

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1002-S003-01
Lab#: AC88799-004
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		93

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.14**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.14**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S004-01
Lab#: AC88799-006
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S005-01
Lab#: AC88799-007
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**1.05**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.52**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.53**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S006-01
Lab#: AC88799-008
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**1.94**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**1.2**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.74**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S007-01
Lab#: AC88799-009
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.63**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.40**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.23**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S009-01
Lab#: AC88799-010
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**1.95**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**1.3**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.65**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S009-02
Lab#: AC88799-011
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		95

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.22**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	**1**	**mg/kg**	**0.026**	**0.22**
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1002-S010-01
Lab#: AC88799-012
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.77**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.50**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.27**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S010-02
Lab#: AC88799-013
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		90

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	1.82
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	1.2
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	0.62
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1002-S011-01
Lab#: AC88799-014
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.12**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.12**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S011-02
Lab#: AC88799-015
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**1.7**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.91**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.79**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S013-01
Lab#: AC88799-017
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S013-01 FD
Lab#: AC88799-018
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S014-01
Lab#: AC88799-019
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**10**	**mg/kg**	**0.27**	**5.7**
Aroclor-1016	10	mg/kg	0.27	ND
Aroclor-1221	10	mg/kg	0.27	ND
Aroclor-1232	10	mg/kg	0.27	ND
Aroclor-1242	**10**	**mg/kg**	**0.27**	**4.3**
Aroclor-1248	10	mg/kg	0.27	ND
Aroclor-1254	**10**	**mg/kg**	**0.27**	**1.4**
Aroclor-1260	10	mg/kg	0.27	ND
Aroclor-1262	10	mg/kg	0.27	ND
Aroclor-1268	10	mg/kg	0.27	ND

Sample ID: FM-1002-S015-01
Lab#: AC88799-020
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		95

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.43**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	**1**	**mg/kg**	**0.026**	**0.43**
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1002-S016-01
Lab#: AC88799-021
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.052**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.052**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S017-01
Lab#: AC88799-022
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		93

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.14**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.14**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S018-01
Lab#: AC88799-024
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		90

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**0.057**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	**1**	**mg/kg**	**0.028**	**0.057**
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1002-S018-01 FD
Lab#: AC88799-025
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.18**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.18**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S019-01
Lab#: AC88799-026
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		93

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.064**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.064**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S015-02
Lab#: AC88799-028
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.76**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.54**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.22**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S005-02
Lab#: AC88799-029
Matrix: Soil

Collection Date: 12/16/2015
Receipt Date: 12/17/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.24**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.11**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	**1**	**mg/kg**	**0.027**	**0.13**
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

5121716 0037

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5121716

Page 1 of 3

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100, Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.mcmyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth, Oceanport N.J.
2d) Quote/PO # (If Applicable): 100-TEN-T33367

FOR LAB USE ONLY ↓

Batch # AC86799

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water; S - Soil; A - Air; GW - Ground Water; SL - Sludge; WW - Waste Water; OL - Oil; OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	FM-1002-S001-01	S	12/16/15	1210 hrs		✓	✓	1								
-002	FM-1002-SD01-02			1230 hrs		✓	✓	1								Hold
-003	FM-1002-S002-01			1250 hrs		✓	✓	1								
-004	FM-1002-S003-01			1300 hrs		✓	✓	1								
-005	FM-1002-S003-02			1300 hrs		✓	✓	1								Hold
-006	FM-1002-S004-01			1305 hrs		✓	✓	1								
-007	FM-1002-S005-01			1310 hrs		✓	✓	1								
-008	FM-1002-S006-01			1320 hrs		✓	✓	1								
-009	FM-1002-S007-01			1324 hrs		✓	✓	1								
-010	FM-1002-S009-01	↓	↓	1438 hrs		✓	✓	1								

10) Relinquished by:	Accepted by:	Date	Time
Rob Rolon	Dan Wall	12/17/15	0945 hrs
Dan Wall		12/17/15	14:00

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2-8

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

5121716 0038

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5121716

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100, Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.mcmyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB Impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth, Oceanport N.J.
2d) Quote/PO # (If Applicable): 100-TEN-T3367

FOR LAB USE ONLY ↓

Batch # AC88799

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-011	FM-1002-S009-02	S	12/16/15	1441 hrs		✓	✓	✓								Hold
-012	FM-1002-S010-01			1445 hrs		✓	✓	1								
-013	FM-1002-S010-02			1450 hrs		✓	✓	1								Hold
-014	FM-1002-S011-01			1508 hrs		✓	✓	1								
-015	FM-1002-S013-02			1512 ~~1517~~ hrs		✓	✓	1								Hold
-016	FM-1002-S011-02 FD			1512 hrs		✓	✓	1								Hold
-017	FM-1002-S013-01			1519 hrs		✓	✓	1								
-018	FM-1002-S013-01 FD			1519 hrs		✓	✓	1								
-019	FM-1002-S014-01			1523 hrs		✓	✓	1								
-020	FM-1002-S015-01	↓	↓	1524 hrs		✓	✓	1								

10) Relinquished by:	Accepted by:	Date	Time
Rob Robin	David Wuellner	12/17/15	0945 hrs
David Wuellner		12/17/15	14:00

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.8

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

5121716 NN39

Hampton-Clarke, Inc. (WBE/DBE/SBE)

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Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
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Hampton-Clarke WBE/DBE/SBE 800-426-9992

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5121716

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

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1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100
Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.memyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth Oceanport N.J.
2d) Quote/PO # (If Applicable): 100-TGN-T33367

FOR LAB USE ONLY ↓

Batch # AC88799

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-021	FM-1002-S016-01	S	12/16/15	1534 hrs		✓	✓	1								
-022	FM-1002-S017-01			1537 hrs		✓	✓	1								
-023	FM-1002-S017-02			1540 hrs		✓	✓	1								Hold
-024	FM-1002-S018-01			1546 hrs		✓	✓	1								
-025	FM-1002-S018-01FD			1546 hrs		✓	✓	1								
-026	FM-1002-S019-01			1549 hrs		✓	✓	1								
-027	FM-1002-S019-02	"	"	1551 hrs		✓	✓	1								Hold
-028	FM-1002-S015-02			1531 hrs		✓	✓	1								Hold
-029	FM-1002-S005-02			1314 hrs		✓	✓	1								Hold

10) Relinquished by:	Accepted by:	Date	Time
Rob Rolon		12/17/15	0945 hrs
		12/17/15	1400

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2 · 8

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

HC Report of Analysis

Client: Tetra Tech Inc.
HC Project #: 5122105
Project: Concrete Removal for PCB

Sample ID: FM-1002-C008-01
Lab#: AC88850-001
Matrix: Concrete
Collection Date: 12/17/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		97

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.455**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	**1**	**mg/kg**	**0.026**	**0.085**
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	**1**	**mg/kg**	**0.026**	**0.37**
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1002-C008-02
Lab#: AC88850-002
Matrix: Concrete

Collection Date: 12/17/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.026	ND
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1002-C012-01
Lab#: AC88850-003
Matrix: Concrete

Collection Date: 12/17/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		97

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.026	0.74
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	0.15
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	0.59
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1002-C012-02
Lab#: AC88850-004
Matrix: Concrete

Collection Date: 12/17/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		97

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.055**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	**1**	**mg/kg**	**0.026**	**0.055**
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	ND
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1002-S014-01
Lab#: AC88850-005
Matrix: Soil

Collection Date: 12/17/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	1.99
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	1.3
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	0.69
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

5122105 0017

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5122105

Page 1 of 1

Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS *(specify below)*:
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100, Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.mcmyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth Oceanport N.J.
2d) Quote/PO # (If Applicable): ICO-TEN-T33367

FOR LAB USE ONLY ↓

Batch # AC88850

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water; GW - Ground Water; WW - Waste Water; S - Soil; SL - Sludge; OL - Oil; A - Air; OT - Other (please specify under item 9, Comments)

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	7) Analysis: PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	FM-1002-C008-01	OT	12/17/15	1258 hrs		✓	✓	1								Concrete
002	FM-1002-C008-02	OT		1325 hrs		✓	✓	1								" Hold
003	FM-1002-C012-01	OT		1202 hrs		✓	✓	1								"
004	FM-1002-C012-02	OT		1245 hrs		✓	✓	1								" Hold
005/006/007	FM-1002-S014-01	S		1122 hrs		✓	✓	1								MS/MSD
008	FM-12172015-FB-01	OT		1128 hrs		✓	✓	2								Field blank Water
009	FM-12172015-RB-01	OT		1321 hrs		✓	✓	2								Rinse blank "
							No other entry									
							12/17/2015									

<=== Check If Contingent <===

10) Relinquished by:	Accepted by:	Date	Time
Rob Rolen		12/18/15	~~12~~2100 hrs
David Wendelke		12/21/15	~~09:30~~ 09:30

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.3 ~ 3.1°

Additional Notes

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

HC Report of Analysis

Client: Tetra Tech Inc.
HC Project #: 6080302
Project: Fort Monmouth Bldg 12002

Sample ID: FM-1002-S008-01
Lab#: AC92742-001
Matrix: Soil
Collection Date: 8/2/2016
Receipt Date: 8/3/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		93

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	65	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S010-03
Lab#: AC92742-002
Matrix: Soil

Collection Date: 8/2/2016
Receipt Date: 8/3/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	65	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S010-03 FD
Lab#: AC92742-003
Matrix: Soil

Collection Date: 8/2/2016
Receipt Date: 8/3/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	65	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S012-01
Lab#: AC92742-004
Matrix: Soil

Collection Date: 8/2/2016
Receipt Date: 8/3/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	66	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.46**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.46**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S020-01
Lab#: AC92742-005
Matrix: Soil

Collection Date: 8/2/2016
Receipt Date: 8/3/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	65	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S021-01 **Collection Date:** 8/2/2016
Lab#: AC92742-006 **Receipt Date:** 8/3/2016
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	66	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S021-01 FD
Lab#: AC92742-007
Matrix: Soil

Collection Date: 8/2/2016
Receipt Date: 8/3/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	66	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S022-01
Lab#: AC92742-008
Matrix: Soil

Collection Date: 8/2/2016
Receipt Date: 8/3/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		92

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	65	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Sample ID: FM-1002-S023-01
Lab#: AC92742-009
Matrix: Soil

Collection Date: 8/2/2016
Receipt Date: 8/3/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	65	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.027**	**0.043**
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	**1**	**mg/kg**	**0.027**	**0.043**
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

6080302 0020

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 6080302

Page 1 of 1

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100
Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph: Rob Rabon 407-448-9553
1c) Send Invoice to: Maureen McMyler 865-220-4762
1d) Send Report to: Maureen McMyler

Project Information

2a) Project: Ft. Monmouth
Bldg. 1002
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth NJ
2d) Quote/PO # (If Applicable): 4817

FOR LAB USE ONLY ↓

Batch # AC92742

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	RCB 8082 3-day TAT (run)	NJ EPH Cat 2 Std. TAT (run)	PAH 8270 (Hold)	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	FM-1002-S0008-01	S	8/2/16	1023		X	X	X	X	1								
002	FM-1002-S0010-03	S		1012		X	X	X	X	1								
003	FM-1002-S0010-03 FD	S		1012		X	X	X	X	1								Field Duplicate
004	FM-1002-S0012-01	S		0958		X	X	X	X	1								
005	FM-1002-S0020-01	S		0940		X	X	X	X	1								
006	FM-1002-S0021-01	S		0951		X	X	X	X	1								
007	FM-1002-S0021-01FD	S		0951		X	X	X	X	1								Field Duplicate
008	FM-1002-S0022-01	S		1034		X	X	X	X	1								
009	FM-1002-S0023-01	S		1046		X	X	X	X	1								
010/011	FM-1002-S0008-01 MS/MSD	S		1023		X	X	X	X	1								MS/MSD

10) Relinquished by:	Accepted by:	Date	Time
		8/2/16	1600
		8/3/16	9:00

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2 & 2

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

ATTACHMENT 5

NEW JERSEY REQUIRMENTS FOR SOIL COMPLIANCE AVERAGING
N.J.A.C. 7:26E-4.9(c)3i

Compliance Averaging

By: Brian J. Sogorka,
Bureau of Environmental Evaluation & Risk Assessment

The average contaminant concentration in an area of concern may be used to determine compliance with remediation standards or the Soil Cleanup Criteria rather than the contaminant concentration of individual samples. This approach is called "compliance averaging." An article describing the department's policies on compliance averaging appeared in the November 1993 *Site Remediation News*. The department's policy on the use of the multiplication factors has been modified (see item 4d below) and new policies have been added (see items 5, 6 and 7 below). The department's current requirements for using compliance averaging are described below.

To minimize the impact of the new policy described in 4d below on sites currently undergoing remediation, this policy will not be effective until July 1, 1995, except as follows. Remedial action workplans approved before the effective date need not comply with the new guidance, subject to case by case review by the department. However, remediation, including sampling or cleanup activities, conducted prior to the effective date of the guidance without remedial action workplan approval will be evaluated by the department for substantial compliance with the new guidance. Any questions regarding implementation of the department's guidance should be directed to your Case Manager.

1. Compliance averaging can only be used after a remedial investigation has been completed which fully delineates the nature and extent of the contamination present. See N.J.A.C. 7:26E, the Technical Requirements for Site Remediation (Technical Rules), Subchapter 4 for the requirements of a remedial investigation.

   It is not appropriate to use compliance averaging based upon the information obtained in a site investigation. The objective of a site investigation is to determine if contamination is present above any applicable remediation standards or Soil Cleanup Criteria. Sample locations used during the site investigation must be biased to the suspected location of greatest contamination and therefore, results cannot be averaged. If such biased samples are contaminated above any applicable remediation standards or Soil Cleanup Criteria, then contaminant delineation in a remedial investigation is required.

2. The Technical Rules, at N.J.A.C. 7:26E-4.9(c)3i, specify certain requirements for averaging data:

   a. The arithmetic mean must be used to calculate the average contaminant concentration;

   b. One-half of the method detection limit for non-detectable results from samples which have not been diluted must be used to calculate the average contaminant concentration. Any estimated values (also known as "J" values) must be used "as reported" to calculate the average contaminant concentration;

   c. Non-detectable results for samples which have been diluted may not be used to calculate the average contaminant concentration;

   d. The requirement at 4.9(c)3i(5) excludes from compliance averaging any samples from a "clean" buffer zone identified around a contaminated area. A suspected area of concern is often reduced or expanded based on remedial investigation delineation sampling and only samples which lie within the modified area of concern (excluding clean zones) can be utilized for compliance averaging (see Figure 1);

   e. The requirement at 4.9(c)3i(5) also specifies that samples from different depth intervals may not be averaged together to determine compliance. However, under certain circumstances it may be appropriate to average data for two or more vertical sample increments. For example, if only the "Impact to Ground Water" Soil Cleanup Criteria are driving the cleanup, it may be appropriate, based on site specific conditions, to average data for two or more vertical sample increments. If a "direct contact" Soil Cleanup Criterion is driving the cleanup but the soil is unlikely to be disturbed (for example, beneath a building or greater than ten feet deep), it may also be appropriate to average data for two or more vertical sample increments. Such requests require a variance decision pursuant to N.J.A.C. 7:26E-1.6(d).

3. Samples exceeding the 10,000 ppm total organic limit or the 1,000 ppm total volatile organic limit cannot be averaged for compliance because these samples represent "gross" contaminant levels and, therefore, no samples may exceed these limits.

4. There is a limit on the maximum allowable concentration for individual samples when compliance averaging through the application of a multiplication factor which is applied to the Soil Cleanup Criterion or health based criterion, whichever is lower (see item 4d below for more details). The multiplication factors vary depending on the specific Soil Cleanup Criterion. No single sample can exceed the applicable Soil Cleanup Criteria for a specific contaminant as follows:

    a. If the Soil Cleanup Criterion is 10 ppm or less, then individual soil samples cannot exceed the Soil Cleanup Criterion by more than a factor of 10 or 50 ppm (ceiling level), whichever is less;

    b. If the applicable Soil Cleanup Criterion is greater than 10 ppm but less than or equal to 100 ppm, then individual soil samples cannot exceed the Soil Cleanup Criterion by more than a factor of 5 or 200 ppm (ceiling level), whichever is less;

    c. If the applicable Soil Cleanup Criterion is greater than 100 ppm, then individual soil samples cannot exceed the Soil Cleanup Criterion by more than a factor of 2.

    d. The department's guidance, as described in the November 1993 *Site Remediation News*, was to apply the multiplication factors to the Soil Cleanup Criteria. However, the department's current guidance is to apply the factors to health based criteria, not Soil Cleanup Criteria which are based on natural background or practical quantitation levels (PQLs). The department believes that applying the multiplication factors to health based criteria is more consistent with the intent of the factors, that is, to limit exposure to high concentrations of the contaminant. This change in guidance has the following implications:

        1) Elimination of the option to average for *arsenic and thallium*:

        The 20 ppm Soil Cleanup Criterion for arsenic is based on natural background which is already 50 times higher than the health based number for arsenic (0.4 ppm). Therefore, allowing individual samples to exceed the Soil Cleanup Criterion would not be appropriate unless a site specific remediation standard was developed.

        Exceedances of the 20 ppm arsenic criterion due to natural background conditions would not require cleanup but would require a site specific remediation standard to document that local natural background was greater than 20 ppm.

        The 2 ppm Soil Cleanup Criterion for thallium is based on a PQL but the health based number is zero. Therefore, averaging is not appropriate. Exceedances of the 2 ppm thallium criterion would require a site specific remediation standard.

        2) More stringent compliance criteria for *benzo(a)pyrene and dibenz(a,h)anthracene*:

        The 0.66 ppm Soil Cleanup Criteria for these compounds are based on a PQL which is approximately 7 times higher than the health based number (0.09 ppm). Applying the 10x factor to 0.09 ppm means that, when averaging is applied, no sample may exceed 0.9 ppm.

        3) More stringent compliance criteria for *beryllium*:

        The 1 ppm Soil Cleanup Criterion for beryllium is based on a PQL which is 5 times higher than the health based number (0.2 ppm). Applying the 10x factor to 0.2 ppm means that, when averaging is applied, no sample may exceed 2 ppm.

        4) Other contaminants affected by this policy are *bis(2-chloroethyl)ether, hexachlorobenzene, and N-nitrosodi-n-propylamine*. As these contaminants are not commonly encountered in site remediation, the department should be contacted on a case specific basis to address any compliance averaging issues.

5. The Soil Cleanup Criteria for PCBs are based on the total PCB concentration of the sample. As there is no standard laboratory protocol for reporting and averaging total PCBs, the department uses the following approach:

    To calculate total PCBs for an individual sample, add together any "hits" for the individual Arochlors. If there are no "hits", report the highest method detection limit as the total PCB method detection limit. When averaging total PCB data for two or more samples, first calculate total PCBs for each sample as above, then apply the applicable averaging requirements described in this article.

6. The department has found that strict adherence to the Soil Cleanup Criteria is sometimes overly conservative for small areas of moderately contaminated soil. In general, the smaller the area of contamination, the less likely it is that there will be significant exposure to the contaminants. In addition, if the contamination is at depth in the soil column (two feet below ground surface or deeper), the potential for exposure is even further reduced. It is usually not possible to use compliance averaging for such isolated areas of contamination because it is not permissible to average clean zone samples with the contaminated area samples.

Therefore, the following approach may be used if, after completion of a remedial investigation, contaminated soils at an area of concern are not in compliance with a Soil Cleanup Criterion after averaging, but the data indicate that there is only a de minimis amount of contaminated soil. The department will consider "no further action" proposals without environmental restrictions if all the following criteria are met:

a. Contaminant levels are "moderate"; that is, below the multiplication factor limits or ceiling levels, and below the 10,000 ppm total organic limit and the 1,000 ppm total volatile organic limit;

b. Since the multiplication factor limits are applied to health-based numbers, the restrictions applicable to averaging also apply to de minimis exemptions. Therefore, the de minimis exemption cannot be applied to arsenic or thallium contamination;

c. Sample data document that there is only a de minimis amount of contaminated soil remaining in the area of concern. In general, a de minimis area of contaminated soil is considered to be a six inch layer of soil over a ten foot radius. In addition, only contaminated soil at two or more feet below ground surface will be considered for this exemption. Considering the depth and the limited areal extent of the contaminants, direct soil exposure is expected to be relatively infrequent.

   It may sometimes be acceptable to apply the de minimis exemption to larger areas as well, but this should be reviewed on a site specific basis. Exception decisions should consider such factors as contaminant concentration, the volume of contaminated soil, and the size of the area where exposure to the contaminants may occur. For example, assume that the Soil Cleanup Criterion is 5 ppm, the isolated "hit" is 6 ppm, and the "clean zone" is 20 feet away. In this situation, although the de minimis criteria above have not been met, the de minimis exemption might still be appropriate because the contamination is present at a concentration only slightly above the Soil Cleanup Criterion.

d. An evaluation of the contaminant mass, persistence and location indicates limited potential for significant human health or environmental impacts, including ground water impacts; and

e. There can be only one de minimis exemption per area of concern.

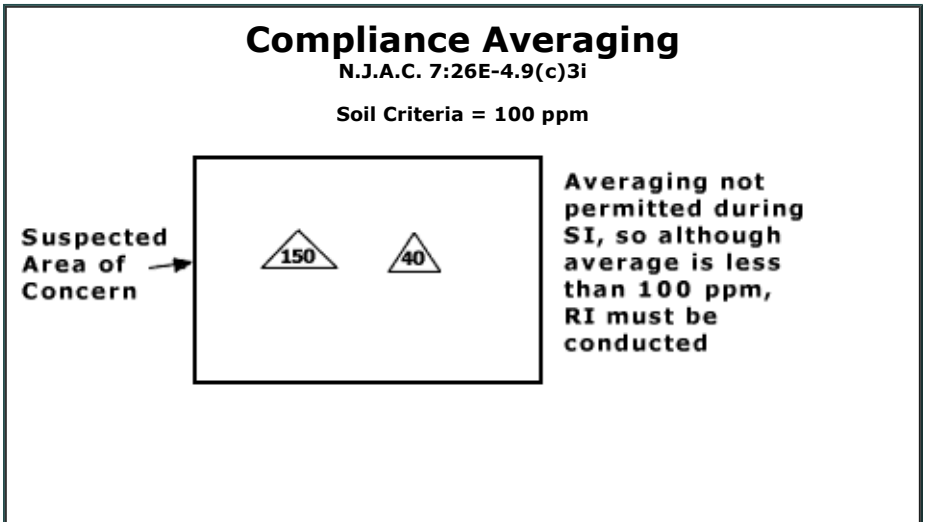
7. Sample results for contaminated soil remaining in an area of concern may be averaged after remedial actions when soils have been excavated or otherwise permanently remediated if the following conditions are met:

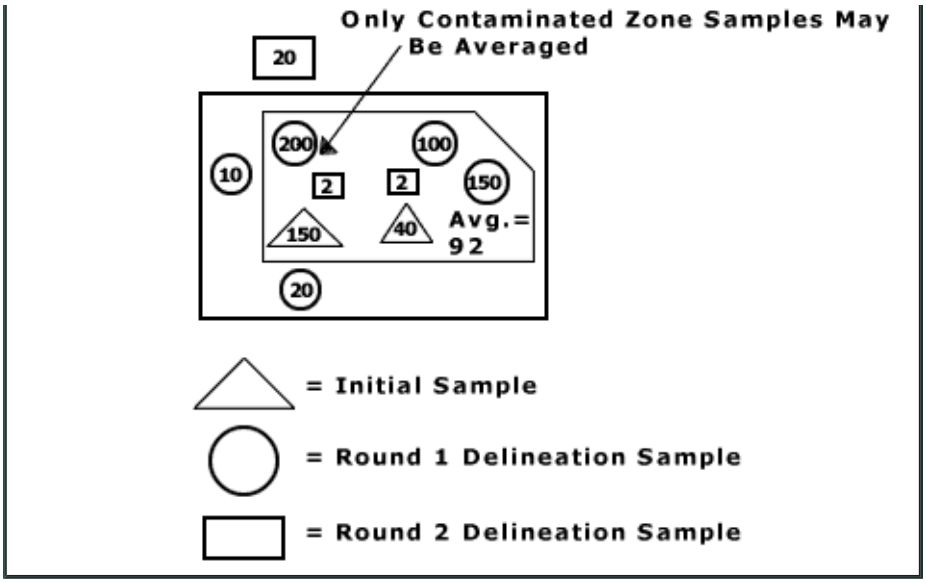
   a. Data from clean fill used to replace contaminated soils in the area of concern cannot be included to calculate the average;

   b. Sidewall sample data from excavated areas may be used in the average if sample data from the same six inch depth increment are averaged; and

   c. Post remediation bottom sample data may be averaged with other sample data from the same six-inch depth increment.

Figure 1





ATTACHMENT 6

WASTE DISPOSAL DOCUMENTATION

FCI

FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

S 595163

350 Pigeon Point Road New Castle, DE 19720 Phone: (302) 658-2005 Fax: (302) 658-6229	175 Bartow Mun. Airport Bartow, FL 33830 Phone: (863) 533-4599 Fax: (863) 533-1613	5533 Dunham Road Maple Heights, OH 44137 Phone: (330) 835-3473 Fax: (330) 835-3732	108 Monahan Avenue Dunmore, PA 18512 Phone: (570) 342-7232 Fax: (570) 342-7367	132 Myrtle Beach Hwy. Sumter, SC 29153 Phone: (803) 773-2611 Fax: (803) 773-2942

SHIPPER NAME/ADDRESS: Ft Monmouth Ocean Port NJ

PHONE (AREA CODE):

TRACTOR: 196 TRAILER: 4105

APPOINTMENT TIME: 13:00

FCI REP. LOADING (PRINT): Robert Manard

PROCEDURE: Removal

EQUIP. SPOTTED: —

EQUIP. REMOVED: 19476

TIME AT SHIPPER (MILITARY TIME ONLY): ARRIVAL TIME 12:45 DEPARTURE TIME :

COMMENTS OR DELAYS AT SHIPPER: Site was Load not completly Load when I arrived [illegible]

EQUIPMENT USED: —

BROKER:

PO#: WO#:

MANIFEST / DOCUMENT NO.

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
X	1	See manifest	9	3432	III	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE: Bill McInich, Asst Supervisor

SHIPPER'S SIGNATURE: X (signature)

I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED: 07 / 02 / 16 (MO. DAY YR.)

CONSIGNEE NAME/ADDRESS: Wayne Disposal Belleville MI

PHONE (AREA CODE):

TRACTOR: TRAILER:

APPOINTMENT TIME: :

FCI REP. UNLOADING (PRINT):

PROCEDURE: Dump

EQUIP. SPOTTED:

EQUIP. REMOVED: 1476

TIME AT CONSIGNEE (MILITARY TIME ONLY): ARRIVAL TIME : DEPARTURE TIME :

COMMENTS OR DELAYS AT CONSIGNEE:

EQUIPMENT USED:

PLEASE PRINT NAME/TITLE:

CONSIGNEE SIGNATURE: X

DATE UNLOADED: / / (MO. DAY YR.)

AR H-0257 CT CT-HW-307 DE DE-HW-203 DE-SW-203 IL UPW-0190713-OH MA MA-294	MD HWH-167 2001-OPV-2335 ME ME-HWT-47 ME-WOT-47 MI UPW-0190713-OH MN UPW-0190713-OH	MO H-1490 ND WH-429 NH TNH-0047 NJ S-2265 15939 NY NJ-113	OH UPW-0190713-OH OK UPW-0190713-OH ONTARIO, CANADA A 840943 PA PA-AH-0067 QUEBEC, CANADA QC-6ML-047 RI RI-535	TX 40705 WI 11602 WV UPW-0190713-OH

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF
Gold - Retained by Generator

S595163

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NJD1[illegible]	1	732-[illegible]	001871775 FLE

GENERATOR

5. Generator's Name and Mailing Address

US Dept of Army Fort Monmouth - Main Post
P.O. Box 148
Oceanport, NJ 07757

Generator's Site Address (if different than mailing address)

Main Post
Fort Monmouth, NJ 07703

Generator's Phone:

6. Transporter 1 Company Name: Freehold Cartage, Inc — U.S. EPA ID Number: NJD054[illegible]

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Wayne Disposal Inc. Site #2 Landfill, 49350 N. I-94 Service Drive, Belleville, MI 48111 — U.S. EPA ID Number: MID048[illegible]

Facility's Phone: 800-592-5489

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3, UN 3432, Polychlorinated Biphenyls, Solid, Mixture, Class 9 PG III ERG# 171	XX1	CM		T	PCB1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

115018WDI - PCB Soil & Concrete

AWI PO. # 14485-MP

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: MATHEW CHANLER — Signature — Month: 02 — Day: 02 — Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

AWT ENVIRONMENTAL SERVICES, INC.

P.O. Box 128
Sayreville, N.J. 08871

TELEPHONE 732-613-1660
FAX 732-613-1536

Sold To:

Tetra Tech (TN)
1093 Commerce Park Drive, Suite 100
Oak Ridge, TN 37830
Attn: Mikael Spangberg

Invoice No.:	22591
Date:	08/31/2016
P.O. #:	1118785
Job #:	14485
Terms:	Net 45
SM:	Timothy J. Roper
Est:	EG

Date	Description	Amount
	Project Location: Fort Monmouth, NJ	
	Tetra Tech Prime Contact: W912DY-10-D-0015	
	Transportation and disposal invoice:	
	Transportation of five (5) roll-off's to disposal facility @ $4,625.00/load	23,125.00
	Loading/unloading demurrage - four (4) hours @ $105.00/hr.	420.00
	Container rental - 56 days @ $15.00/day	840.00
	Disposal of 103.68 tons of PCB impacted soil @ $145.00/ton	15,033.60
	Transportation of drums of PCB impacted water to facility	625.00
	Disposal of sixteen (16) drums of PCB impacted water @ $925.00/drum	14,800.00
	Subtotal	54,843.60

TOTAL AMOUNT DUE $54,843.60

1 ½% Monthly Finance Charge on All Past Due Accounts

FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

S 590773

350 Pigeon Point Road New Castle, DE 19720 Phone: (302) 658-2005 Fax: (302) 658-6229	175 Bartow Mun. Airport Bartow, FL 33830 Phone: (863) 533-4599 Fax: (863) 533-1613	5533 Dynham Road Maple Heights, OH 44137 Phone: (330) 835-3473 Fax: (330) 835-3732	108 Monahan Avenue Dunmore, PA 18512 Phone: (570) 342-7232 Fax: (570) 342-7367	132 Myrtle Beach Hwy Sumter, SC 29153 Phone: (803) 773-2611 Fax: (803) 773-2942

SHIPPER NAME/ADDRESS: US Army Ft. Monmouth Oceanport NJ

PHONE (AREA CODE):

TRACTOR: 585 TRAILER: 4445

APPOINTMENT TIME: :

FCI REP. LOADING (PRINT): D Wolfe

PROCEDURE: Removal

EQUIP. SPOTTED:

EQUIP. REMOVED: 0714

TIME AT SHIPPER (MILITARY TIME ONLY): ARRIVAL TIME 14:30 DEPARTURE TIME 15:30

COMMENTS OR DELAYS AT SHIPPER:

EQUIPMENT USED:

BROKER:

PO#:

WO#: 1117613

MANIFEST / DOCUMENT NO: 011852570JJK

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T HAZARDOUS CLASS	NA/UN NO.	PACKING GROUP	NO. CONT.	CONT TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
	1	Sr. mcn'l st	—	—	—	1	CM	30	YD	-	S
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE: William R Colvin

SHIPPER'S SIGNATURE: X William Colvin for US Army

I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.

DATE LOADED: 8 / 3 / 16 (MO. DAY YR.)

CONSIGNEE NAME/ADDRESS: Wayne Disposal Belleville MI

PHONE (AREA CODE):

TRACTOR: 585 TRAILER: 4445

APPOINTMENT TIME: :

FCI REP. UNLOADING (PRINT): D. Wolfe

PROCEDURE: Dump

EQUIP. SPOTTED: 0714

EQUIP. REMOVED:

TIME AT CONSIGNEE (MILITARY TIME ONLY): ARRIVAL TIME 16:30 DEPARTURE TIME 18:15

COMMENTS OR DELAYS AT CONSIGNEE:

EQUIPMENT USED:

PLEASE PRINT NAME/TITLE:

CONSIGNEE SIGNATURE: X [signature]

DATE UNLOADED: 8 / 4 / 16 (MO. DAY YR.)

AR H-0257 CT CT-HW-307 DE DE-HW-203 DE-SW-203 IL UPW-0190713-OH MA MA-294	MD HWH-167 2001-OPV-2335 ME ME-HWT-47 ME-WOT-47 MI UPW-0190713-OH MN UPW-0190713-OH	MO H-1490 ND WH-429 NH TNH-0047 NJ S-2265 15939 NY NJ-113	OH UPW-0190713-OH OK UPW-0190713-OH ONTARIO, CANADA A 840943 PA PA-AH-0067 QUEBEC, CANADA QC-6ML-047 RI RI-535	TX 40705 WI 11602 WV UPW-0190713-OH

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF
Gold - Retained by Generator

S 590773

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NJ321000206607
2. Page 1 of: 1
3. Emergency Response Phone: 732-813-1888
4. Manifest Tracking Number: 011852570 JJK

GENERATOR

5. Generator's Name and Mailing Address
US Dept of Army-Fort Monmouth - Main Post
P.O. Box 148
Oceanport, NJ 07757
Generator's Phone:

Generator's Site Address (if different than mailing address)
Main Post
Fort Monmouth, NJ 07703

6. Transporter 1 Company Name: Freehold Cartage Inc. (FCI)
U.S. EPA ID Number: NJD 054126164

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Wayne Disposal, Inc Site #2 Landfill
49350 N. I-94 Service Drive
Belleville, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID 048000633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes
X	1. RQ, UN 3432, Polychlorinated Biphenyls, Solid Mixture, Class 9, PG III ERG# 171	XX1	CM	18000	K	PCB1
	2. 111461					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
150185WDI - PCB Soil & Concrete
AWI PO # 14486 MF
Truck # 895 Trailer # 4415
Box # 0714

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: William L Colvin
Signature: William L Colvin for USARMY
Month: 08 Day: 03 Year: 16

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name:
Signature:
Month: 08 Day: 03 Year: 16

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
PCB			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Wayne Disposal, Inc.

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

AWT ENVIRONMENTAL SERVICES, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 128
SAYERVILLE, NJ 08871

Receipt ID: 1266872
EQ Account #: 1070
Manifest / BOL: 011852570JJK
Transporter: FCI
Date: 08/04/2016
Time In: 4:38 PM
Time Out: 5:54 PM

Line	Description Generator	Qty. Unit
1 - 1	I150185WDI - PCB Concrete	21.050 TONS
	Hazardous Surcharge Ton	21.050 TONS
	NJ3210020597 US DEPT. OF ARMY-FORT MONMOUTH MAIN POST	
	Gross: 79,020 **Tare:** 36,920 **Net:** 42,100	
2	Wayne Disposal Host Community Agreement Royalty Fee	21.050 TONS
	NJ3210020597 US DEPT. OF ARMY-FORT MONMOUTH MAIN POST	
	Gross: 79,020 **Tare:** 36,920 **Net:** 42,100	

NO SALVAGING ON PREMISES

FREEHOLD CARTAGE INC.
P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

S 590931

350 Pigeon Point Road
New Castle, DE 19720
Phone: (302) 658-2005
Fax: (302) 658-6229

175 Bartow Mun. Airport
Bartow, FL 33830
Phone: (863) 533-4599
Fax: (863) 533-1613

5533 Dunham Road
Maple Heights, OH 44137
Phone: (330) 835-3473
Fax: (330) 835-3732

108 Monahan Avenue
Dunmore, PA 18512
Phone: (570) 342-7232
Fax: (570) 342-7367

132 Myrtle Beach Hwy
Sumter, SC 29153
Phone: (803) 773-2611
Fax. (803) 773-2942

SHIPPER NAME/ADDRESS: Ft Monmouth
Charleston NJ

PHONE (AREA CODE)

TRACTOR: 796 TRAILER: 4105

APPOINTMENT TIME: :

FCI REP. LOADING (PRINT): Richard Mauro

PROCEDURE: Removal

EQUIP. SPOTTED: —

EQUIP. REMOVED: ~~0450~~ 0504

TIME AT SHIPPER: ARRIVAL TIME 12:00 (MILITARY TIME ONLY) DEPARTURE TIME 13:30

COMMENTS OR DELAYS AT SHIPPER: Load Transferred (gasoline to diesel) RM

EQUIPMENT USED: —

BROKER:

PO#:

WO#: 1116968

MANIFEST / DOCUMENT NO.

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
X	1	See Manifest	9	3432	II	1	CM	2	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE: William R Colon

SHIPPER'S SIGNATURE: X William R Colon for U.S. Army
I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT

DATE LOADED: 8/3/16 (MO. DAY YR.)

CONSIGNEE NAME/ADDRESS: (illegible)
Bellows Falls VT

PHONE (AREA CODE)

TRACTOR: 796 TRAILER: 4105

APPOINTMENT TIME: :

FCI REP. UNLOADING (PRINT): Rich Mauro

PROCEDURE: Dump

EQUIP. SPOTTED: 0504

EQUIP. REMOVED:

TIME AT CONSIGNEE: ARRIVAL TIME 13:30 (MILITARY TIME ONLY) DEPARTURE TIME 15:

COMMENTS OR DELAYS AT CONSIGNEE

EQUIPMENT USED

PLEASE PRINT NAME/TITLE

CONSIGNEE SIGNATURE: X

DATE UNLOADED: 8/9/16 (MO. DAY YR.)

AR H-0257	MD HWH-167 2001-OPV-2335	MO H-1490	OH UPW-0190713-OH	TX 40705
CT CT-HW-307	ME ME-HWT-47 ME-WOT-47	ND WH-429	OK UPW-0190713-OH	WI 11602
DE DE-HW-203 DE-SW-203	MI UPW-0190713-OH	NH TNH-0047	ONTARIO, CANADA A 840943	WV UPW-0190713-OH
IL UPW-0190713-OH	MN UPW-0190713-OH	NJ S-2265 15939	PA PA-AH-0067	
MA MA-294		NY NJ-113	QUEBEC, CANADA QC-6ML-047	
			RI RI-535	

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF
Gold - Retained by Generator

S 590931

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NJ3210020597	1	732 813 1600	011852565 JJK

GENERATOR

5. Generator's Name and Mailing Address
US Dept of Army-Fort Monmouth - Main Post
P.O. Box 148
Oceanport, NJ 07757

Generator's Site Address (if different than mailing address)
Main Post
Fort Monmouth, NJ 07703

Generator's Phone:

6. Transporter 1 Company Name: Freehold Cartage Inc. (FCI) — U.S. EPA ID Number: NJD 054126164

7. Transporter 2 Company Name: N/A — U.S. EPA ID Number: N/A

8. Designated Facility Name and Site Address
Wayne Disposal, Inc. Site #2 Landfill
49350 N. I-94 Service Drive
Belleville, MI 48111
U.S. EPA ID Number: MID048090633

Facility's Phone: 800-592-5489

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3432, Polychlorinated biphenyls, solid, Mixture, Class 9, PG III - ERG# 171	XX1	CM	30,000	Kg	PCB1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
11501185WDI - PCB Soil & Concrete Truck # 796, Trailer # 405
AWT P.O. # 14485 MP Box # ~~9450~~ [illegible] Rm

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
William C [illegible]	[signature]	08	03	16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

	Printed/Typed Name	Signature	Month	Day	Year
Transporter 1	K[illegible]	[signature]	08	03	16
Transporter 2					

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
Pub			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

Wayne Disposal, Inc.

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

AWT ENVIRONMENTAL SERVICES, INC
ATTN: ACCOUNTS PAYABLE
P.O. BOX 128
SAYERVILLE, NJ 08871

Receipt ID: 1267046
EQ Account #: 1070
Manifest / BOL: 011852565JJK
Transporter: FCI
Date: 08/09/2016
Time In: 1:42 PM
Time Out: 2:42 PM

Line	Description	Qty. Unit
	Generator	
1 - 1	I150185WDI - PCB Concrete	21.020 TONS
	Hazardous Surcharge Ton	21.020 TONS
	NJ3210020597 US DEPT OF ARMY-FORT MONMOUTH MAIN POST	
	Gross: 78,600 Tare: 36,560 Net: 42.040	
2	Wayne Disposal Host Community Agreement Royalty Fee	21.020 TONS
	NJ3210020597 US DEPT OF ARMY-FORT MONMOUTH MAIN POST	
	Gross: 78,600 Tare: 36,560 Net: 42.040	

NO SALVAGING ON PREMISES

FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

S 590772

350 Pigeon Point Road New Castle, DE 19720 Phone: (302) 658-2005 Fax: (302) 658-6229	175 Bartow Mun. Airport Bartow, FL 33830 Phone: (863) 533-4599 Fax: (863) 533-1613	5533 Dunham Road Maple Heights, OH 44137 Phone: (330) 835-3473 Fax: (330) 835-3732	108 Monahan Avenue Dunmore, PA 18512 Phone: (570) 342-7232 Fax: (570) 342-7367	132 Myrtle Beach Hwy Sumter, SC 29153 Phone: (803) 773-2611 Fax: (803) 773-2942

SHIPPER NAME/ADDRESS: U.S. Army / Fort Monmouth, Oceanport, NJ

PHONE (AREA CODE):

TRACTOR: 858 | TRAILER: 4415

APPOINTMENT TIME: :

FCI REP. LOADING (PRINT): D Wolk

PROCEDURE: [illegible]

EQUIP. SPOTTED:

EQUIP. REMOVED: 0605

TIME AT SHIPPER (MILITARY TIME ONLY): ARRIVAL TIME 14:15 | DEPARTURE TIME 15:45

COMMENTS OR DELAYS AT SHIPPER:

EQUIPMENT USED:

BROKER:

PO#:

WO#: 111C839

MANIFEST / DOCUMENT NO. 011554564JK

(X) HM		PROPER U.S. DOT SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
	1	See manifest	—	—	—	1	[illegible]	30	YD	—	S
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE: William R Colvin

SHIPPER'S SIGNATURE: X William R Colvin for US Army

I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT

DATE LOADED: 5 / 1 / 16 (MO. DAY YR.)

CONSIGNEE NAME/ADDRESS: Waste [illegible], [illegible], MT

PHONE (AREA CODE):

TRACTOR: 858 | TRAILER: 372

APPOINTMENT TIME: :

FCI REP. UNLOADING (PRINT): D Wolk

PROCEDURE: Dump

EQUIP. SPOTTED: 0605

EQUIP. REMOVED:

TIME AT CONSIGNEE (MILITARY TIME ONLY): ARRIVAL TIME 11:00 | DEPARTURE TIME 16:15

COMMENTS OR DELAYS AT CONSIGNEE:

EQUIPMENT USED:

PLEASE PRINT NAME/TITLE:

CONSIGNEE SIGNATURE: X [signature]

DATE UNLOADED: 5 / 10 / 16 (MO. DAY YR.)

AR H-0257 CT CT-HW-307 DE DE-HW-203 DE-SW-203 IL UPW-0190713-OH MA MA-294	MD HWH-167 2001-OPV-2335 ME ME-HWT-47 ME-WOT-47 MI UPW-0190713-OH MN UPW-0190713-OH	MO H-1490 ND WH-429 NH TNH-0047 NJ S-2265 15939 NY NJ-113	OH UPW-0190713-OH OK UPW-0190713-OH ONTARIO, CANADA A 840943 PA PA-AH-0067 QUEBEC, CANADA QC-6ML-047 RI RI-535	TX 40705 WI 11602 WV UPW-0190713-OH

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF
Gold - Retained by Generator

S 590772

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NJ3210020597	1	732-532-1689	011252564 JJK

GENERATOR

5. Generator's Name and Mailing Address
US Dept of Army Fort Monmouth - Main Post
PO Box 148
Oceanport, NJ 07757

Generator's Site Address (if different than mailing address)
Main Post
Fort Monmouth, NJ 07703

Generator's Phone:

6. Transporter 1 Company Name
Freehold Cartage Inc.

U.S. EPA ID Number
NJD 054126164

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Wayne Disposal Inc Site #2 Landfill
49350 N I-94 Service Drive
Belleville, MI 48111

U.S. EPA ID Number
MID048090633

Facility's Phone:
800-592-6888

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN-3432, Polychlorinated Biphenyls, Solid, Mixture, Class 9, PG III ERG# 171 Truck #895 Box 0605	001	CM	2000	KG	PCB1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Hazardous PCB Soil & Concrete
Truck # 895
Box # 0605
WO PO # 14485MP

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month 05 | Day 01 | Year 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: U.S. EPA ID Number

18b. Alternate Facility (or Generator)

Facility's Phone: Month Day Year

18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
D80			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Wayne Disposal, Inc.

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

AWT ENVIRONMENTAL SERVICES, INC
ATTN: ACCOUNTS PAYABLE
P.O. BOX 128
SAYERVILLE, NJ 08871

Receipt ID: 1267113
EQ Account #: 1070
Manifest / BOL: 011852564JJK
Transporter: FCI
Date: 08/10/2016
Time In: 3:22 PM
Time Out: 4:26 PM

Line	Description Generator	Qty. Unit
1 - 1	I150185WDI - PCB Concrete	20.950 TONS
	Hazardous Surcharge Ton	20.950 TONS
	NJ3210020597 US DEPT. OF ARMY-FORT MONMOUTH MAIN POST	
	Gross: 78,980 Tare: 37,080 Net: 41,900	
2	Wayne Disposal Host Community Agreement Royalty Fee	20.950 TONS
	NJ3210020597 US DEPT. OF ARMY-FORT MONMOUTH MAIN POST	
	Gross: 78,980 Tare: 37,080 Net: 41,900	

NO SALVAGING ON PREMISES

FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

S 590953

350 Pigeon Point Road New Castle, DE 19720 Phone: (302) 658-2005 Fax: (302) 658-6229	175 Bartow Mun. Airport Bartow, FL 33830 Phone: (863) 533-4599 Fax: (863) 533-1613	5533 Dunham Road Maple Heights, OH 44137 Phone: (330) 835-3473 Fax: (330) 835-3732	108 Monahan Avenue Dunmore, PA 18512 Phone: (570) 342-7232 Fax: (570) 342-7367	132 Myrtle Beach Hwy Sumter, SC 29153 Phone: (803) 773-2611 Fax: (803) 773-2942

SHIPPER NAME/ADDRESS: [illegible] Cream Ridge NJ

PHONE (AREA CODE):

TRACTOR: 796 TRAILER: 4105

APPOINTMENT TIME: :

FCI REP. LOADING (PRINT): [illegible]

PROCEDURE: Removal

EQUIP. SPOTTED:

EQUIP. REMOVED: 1301

TIME AT SHIPPER (MILITARY TIME ONLY): ARRIVAL TIME : DEPARTURE TIME :

COMMENTS OR DELAYS AT SHIPPER: (S-590952) Original In House- Lost by Wayne Saltkeus

EQUIPMENT USED:

BROKER:

PO#:

WO#: 111840

MANIFEST/DOCUMENT NO.

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/IJN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
X	1		~~9~~ [illegible]	3432	III	1	CM	30	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE:

SHIPPER'S SIGNATURE: X _____ I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT

DATE LOADED: 8 / 1 / 16 (MO. DAY YR.)

CONSIGNEE NAME/ADDRESS: Cooper Biological Pittsville MD

PHONE (AREA CODE):

TRACTOR: 796 TRAILER: 4105

APPOINTMENT TIME: :

FCI REP. UNLOADING (PRINT): [illegible]

PROCEDURE: Dump

EQUIP. SPOTTED:

EQUIP. REMOVED:

TIME AT CONSIGNEE (MILITARY TIME ONLY): ARRIVAL TIME 07:30 DEPARTURE TIME 10:30

COMMENTS OR DELAYS AT CONSIGNEE: S-590952 Original In house- Lost By Wayne Scalehouse

EQUIPMENT USED:

PLEASE PRINT NAME/TITLE:

CONSIGNEE SIGNATURE: X _____

DATE UNLOADED: 8 / 2 / 16 (MO. DAY YR.)

AR H-0257	MD HWH-167 2001-OPV-2335	MO H-1490	OH UPW-0190713-OH	TX 40705
CT CT-HW-307	ME ME-HWT-47 ME-WOT-47	ND WH-429	OK UPW-0190713-OH	WI 11602
DE DE-HW-203 DE-SW-203	MI UPW-0190713-OH	NH TNH-0047	ONTARIO, CANADA A 840943	WV UPW-0190713-OH
IL UPW-0190713-OH	MN UPW-0190713-OH	NJ S-2265 15939	PA PA-AH-0067	
MA MA-294		NY NJ-113	QUEBEC, CANADA QC-6ML-047	
			RI RI-535	

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF

S 590953

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
		1		011852563 JJK

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. [illegible] Truck # 196	[illegible]	[illegible]	32,000	Kg	[illegible]
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

1130185WGI - PCB Soil & Concrete

AWT P.O. # 14485-MP — Truck # 196

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: William R Colvin for US Army — Signature — Month: 08 — Day: 01 — Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month: 08 — Day: 01 — Year: 16

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Wayne Disposal, Inc.

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

AWT ENVIRONMENTAL SERVICES, INC.
ATTN: ACCOUNTS PAYABLE
P.O. BOX 128
SAYERVILLE, NJ 08871

Receipt ID: 1266731
EQ Account #: 1070
Manifest / BOL: 011852563JJK
Transporter: FCI
Date: 08/02/2016
Time In: 8:58 AM
Time Out: 10:19 AM

Line	Description	Qty	Unit
	Generator		
1 - 1	I150185WDI - PCB Concrete		
	Hazardous Surcharge Ton	20.360	TONS
	NJ3210020597 US DEPT. OF ARMY-FORT MONMOUTH MAIN POST	20.350	TONS
	Gross: 78,020 Tare: 37,300 Net: 40,720		
2	Wayne Disposal Host Community Agreement Royalty Fee	20.360	TONS
	NJ3210020597 US DEPT. OF ARMY-FORT MONMOUTH MAIN POST		
	Gross: 78,020 Tare: 37,300 Net: 40,720		

NO SALVAGING ON PREMISES

FREEHOLD CARTAGE INC.
P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

S 579185

350 Pigeon Point Road, New Castle, DE 19720, Phone: (302) 658-2005, Fax: (302) 658-6229
175 Bartow Mun. Airport, Bartow, FL 33830, Phone: (863) 533-4599, Fax: (863) 533-1613
5533 Dunham Road, Maple Heights, OH 44137, Phone: (330) 835-3473, Fax: (330) 835-3732
108 Monahan Avenue, Dunmore, PA 18512, Phone: (570) 342-7232, Fax: (570) 342-7367
132 Myrtle Beach Hwy, Sumter, SC 29153, Phone: (803) 773-2611, Fax: (803) 773-2942

SHIPPER NAME/ADDRESS: US Dept of Army - Fort Monmouth - Main Post
PO Box 148
Fort Monmouth NJ

PHONE (AREA CODE): 732) 613 - 1660

Stellmanns

TRACTOR: 7417

TRAILER:

APPOINTMENT TIME: :

FCI REP. LOADING (PRINT): J. Peters

PROCEDURE: Remove

EQUIP. SPOTTED:

EQUIP. REMOVED: 9741

TIME AT SHIPPER: ARRIVAL TIME 12:15 — (MILITARY TIME ONLY) DEPARTURE TIME 13:30

COMMENTS OR DELAYS AT SHIPPER:

EQUIPMENT USED:

BROKER:

PO#:

WO#: 1116967

MANIFEST/DOCUMENT NO 011852566 SJK

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
X	1	See manifest	9	3432	III	01	CM	20 GOT	K	PCBI	S
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER:

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE: William R Colvin

SHIPPER'S SIGNATURE: x William R Colvin for U.S Army
I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT

DATE LOADED: 08 / 03 / 16 (MO. / DAY / YR.)

CONSIGNEE NAME/ADDRESS: Wayne Disposal
Belleville MI

PHONE (AREA CODE): 800) 592 - 9189

Stellmanns

TRACTOR: 880

TRAILER: 335

APPOINTMENT TIME: :

FCI REP. UNLOADING (PRINT): S Myder

PROCEDURE: Unload

EQUIP. SPOTTED: 9741

EQUIP. REMOVED:

TIME AT CONSIGNEE: ARRIVAL TIME 16.00 — (MILITARY TIME ONLY) DEPARTURE TIME 17.00

COMMENTS OR DELAYS AT CONSIGNEE:

EQUIPMENT USED:

PLEASE PRINT NAME/TITLE:

CONSIGNEE SIGNATURE: X

DATE UNLOADED: 8 / 9 / 16 (MO. / DAY / YR.)

AR H-0257	MD HWH-167 2001-OPV-2335	MO H-1490	OH UPW-0190713-OH	TX 40705
CT CT-HW-307	ME ME-HWT-47 ME-WOT-47	ND WH-429	OK UPW-0190713-OH	WI 11602
DE DE-HW-203 DE-SW-203	MI UPW-0190713-OH	NH TNH-0047	ONTARIO, CANADA A 840943	WV UPW-0190713-OH
IL UPW-0190713-OH	MN UPW-0190713-OH	NJ S-2265 15939	PA PA-AH-0067	
MA MA-294		NY NJ-113	QUEBEC, CANADA QC-6ML-047	
			RI RI-535	

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF
Gold - Retained by Generator

S 579185

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NJ3210020597	1	732-532-1000	011852566 JJK

GENERATOR

5. Generator's Name and Mailing Address
US Dept of Army-Fort Monmouth - Main Post
P O Box 148
Oceanport, NJ 07757
Generator's Phone:

Generator's Site Address (if different than mailing address)
Main Post
Fort Monmouth, NJ 07703

6. Transporter 1 Company Name: Freehold Cartage Inc. (FCI) — U.S. EPA ID Number: NJD 054126114

7. Transporter 2 Company Name: n/a — U.S. EPA ID Number: n/a

8. Designated Facility Name and Site Address
Wayne Disposal Inc Site #2 Landfill
49350 N I-94 Service Drive
Belleville, MI 48111
Facility's Phone: 800-592-5489
U.S. EPA ID Number: MID048090633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN-3432, Polychlorinated Biphenyls, Solid Mixture, Class 9, PG III - ERG# 171	XX1	CM	20,000	Kg	PCB1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1150185WDI - PCB Soil & Concrete Truck # 747 Box # 0741
AWI PO # 14486 MP
SD 03-16

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: William R Colvin
Signature: William R Colvin for U.S. Army
Month: 03 Day: 03 Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] — Signature: [illegible] — Month: 03 Day: 03 Year: 16
Transporter 2 Printed/Typed Name: — Signature: — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. PCB 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] — Signature: — Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Wayne Disposal, Inc.

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

AWT ENVIRONMENTAL SERVICES, INC
ATTN: ACCOUNTS PAYABLE
P.O. BOX 128
SAYERVILLE, NJ 08871

Receipt ID: 1267058
EQ Account #: 1070
Manifest / BOL: 011852566JJK
Transporter: FCI
Date: 08/09/2016
Time In: 4:18 PM
Time Out: 5:03 PM

Line	Description Generator	Qty. Unit
1 - 1	I150185WDI - PCB Concrete	20.300 TONS
	Hazardous Surcharge Ton	20.300 TONS
	NJ3210020597 US DEPT. OF ARMY-FORT MONMOUTH MAIN POST	
	Gross: 77,720 Tare: 37,120 Net: 40,600	
2	Wayne Disposal Host Community Agreement Royalty Fee	20.300 TONS
	NJ3210020597 US DEPT. OF ARMY-FORT MONMOUTH MAIN POST	
	Gross: 77,720 Tare: 37,120 Net: 40,600	

NO SALVAGING ON PREMISES

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NJ3210020597	1	732-613-1660	011852576 JJK

GENERATOR

5. Generator's Name and Mailing Address
US Dept of Army-Fort Monmouth - Main Post
P.O. Box 148
Oceanport, NJ 07757

Generator's Site Address (if different than mailing address)
Main Post
Fort Mounmouth, NJ 07703

Generator's Phone:

6. Transporter 1 Company Name: Maumee Express, Inc. — U.S. EPA ID Number: NJD986607380

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Cycle Chem, Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: 908-355-5800

U.S. EPA ID Number: NJRAA2200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN-2315 - Polychlorinated Biphenyls - Liquid, Class 9, PG II	16	DM	5,600	P	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
PCB Contaminated Water 90-100%, Soil/Debris 0-10%
AWT P.O. # 14485-MP

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: William R. Colvin for US Army — Signature: William Colvin for US Army — Month: 08 — Day: 29 — Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: M. Anderson — Signature: — Month: 8 — Day: 29 — Year: 16

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
H-1) 2545 H-1) K H-1) A588/29/16 Manifest Reference Number: 732 583 5140

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: M. Anderson — Signature: — Month: 08 — Day: 29 — Year: 16

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Appendix B
Building 1208 and 1209 IRA Report

TETRA TECH

October 18, 2016

Mr. James Moore
U.S. Army Corps of Engineers, New York District
Attn: CENAN-PP-E
26 Federal Plaza, Room 1811
New York, NY 10278

Subject: Soil/Concrete Removal and Confirmation Sampling at Buildings 1208 and 1209 for PCB Analysis Report for the Environmental Contamination Assessments/Support Project at Fort Monmouth, Oceanport, New Jersey
Contract Number W912DY-10-D-0015, Task Order 0007
DCN: TTEC-WERS-17-0009

Dear Mr. Moore:

In accordance with the requirements of the Performance Work Statement for Task Order 0007 of Contract Number W9128DY-10-D-0015 as amended, Tetra Tech is pleased to submit this Letter Report for the removal and confirmation sampling of polychlorinated biphenyl (PCB)-impacted soil and concrete at Buildings 1208 and 1209, Fort Monmouth, New Jersey. Copies of this letter report have also been submitted to the recipients on the attached distribution list, quantities as indicated.

SCOPE OF WORK

The purpose of this letter report is to document the tasks and methods associated with completing the removal of PCB-impacted soil and concrete at Buildings 1208 and 1209 to facilitate the transfer of property from Fort Monmouth to the private sector under the Base Realignment and Closure (BRAC) program.

In June 2015, a records review conducted by Fort Monmouth identified three areas (Buildings 1002, 1208 and 1209) with documented PCB spills that had been sampled but had not achieved regulatory closure. Tetra Tech was tasked with conducting remedial actions for the PCB-contaminated slabs at Buildings 1208 and 1209. Building 1002 will be addressed under a separate letter report.

REPORT ORGANIZATION

Figures for each site are provided in **Attachment 1**, photographs documenting site activities in **Attachment 2**, and summary analytical tables in **Attachment 3**. The laboratory analytical reports are provided as **Attachment 4**. **Attachment 5** contains the requirements for New Jersey soil compliance averaging for site remediation. **Attachment 6** contains the waste disposal documentation.

PCB REMOVAL AT BUILDING 1208

In December 2015 Tetra Tech removed a 16.5 foot (ft.) by 7 ft. area of the PCB-impacted concrete slab approximately 4 inches (in.) thick (**Photograph 1**). Fifteen sub-slab soil and six concrete samples were collected at 19 locations following the concrete removal (**Figure 1**).

The duplicate soil sample at sample 018 had an Aroclor-1260 detection of 0.039 mg/kg which was below the Aroclor Residential Soil Remediation Standard (RSRS) of 0.2 mg/kg. Aroclor-1260 was detected in all six concrete samples with four (sample locations 007, 012, 013, and 016) exceeding the Aroclor RSRS of 0.2 mg/kg and two (sample locations 004 and 008) exceeding the Aroclor Non-Residential Soil Remediation

Tetra Tech, Inc.
1093 Commerce Park Drive Suite 100, Oak Ridge, Tennessee 37830
Tel 865.483.9900 Fax 865.425.1182 www.tetratech.com

Standard (NRSRS) of 1.0 mg/kg. The highest Aroclor-1260 concentration of 69 mg/kg was along the east side at concrete sample 004. The sample locations and results are shown on **Figure 1**. **Table 1** summarizes the laboratory results for the December 2015 investigation.

Additional Work

In accordance with the Letter Work Plan dated June 2, 2016, *Removal of PCB-Contaminated Materials at Buildings 1002, 1208 and 1209 and Parcel 97 (Building 978),* removal of PCB-impacted concrete and soil above the RSRS of 0.2 mg/kg and soil confirmation sampling was conducted based on the results of the December 2015 investigation.

In July 2016, Tetra Tech and its subcontractor AWT Environmental Services removed the identified concrete and soil at Building 1208. **Figure 2** shows the approximately 3 ft. by 11 ft. area of concrete removed along the east side of the excavation as well as a 2 ft. by 11 ft. area on the west side. Soil was then excavated to a depth of 0.5 ft. below the concrete depth (**Photograph 2**).

Six soil confirmation samples and one field duplicate were collected at locations with previous Aroclor-1260 exceedances and analyzed for PCBs and EPH (**Figure 2**). There were no EPH detections in any of the confirmation samples (**Table 2**). Two of the six samples had Aroclor-1260 detections, 0.038 mg/kg at sample location 007 and 0.037 mg/kg at sample location 012, both below the RSRS of 0.2 mg/kg (**Table 1**).

PCB REMOVAL AT BUILDING 1209

In December 2015 Tetra Tech removed an area of PCB-impacted concrete slab approximately 12.5 ft. by 6 ft. and 4 in. thick (**Photograph 3**). Nineteen sub-slab soil and six concrete confirmation samples were collected at 19 locations following the concrete removal (**Figure 3**).

Thirteen of 17 soil samples had Aroclor-1260 detections. Five detections were below the RSRS. Two detections at sample locations 015 and 019 had Aroclor-1260 detections of 0.059 and 0.071 mg/kg, respectively in the deep samples which were below the Aroclor RSRS, and six detections (two duplicate samples), all located at the south part of the cut out, exceeded the NRSRS. Aroclor-1260 concentrations for these samples ranged from 1.1 mg/kg in the duplicate at sample location 014 to 11 mg/kg at location 017. Aroclor-1260 was detected in all six concrete samples with one (sample location 012) exceeding the Aroclor RSRS of 0.2 mg/kg and five (sample locations 004, 007, 008, 013, and 016) exceeding the Aroclor NRSRS of 1.0 mg/kg. The highest Aroclor-1260 concentration of 4.7 mg/kg was along the west side at concrete location 016. The sample locations and results are shown on **Figure 3**. **Table 3** summarizes the laboratory results for the investigation.

Additional Work

In accordance with Letter Work Plan dated 2 June 2016, *Removal of PCB-Contaminated Materials at Buildings 1002, 1208 and 1209 and Parcel 97 (Building 978),* removal of PCB concrete and soil above the Aroclor RSRS of 0.2 mg/kg and soil confirmation sampling was proposed based on areas identified in the December 2015 investigation.

In July 2016, Tetra Tech and its subcontractor AWT Environmental Services removed concrete and soil from areas identified in the December 2015 investigation. **Figure 4** shows the approximately 2 ft. by 11 ft. of concrete removed along the east side of the excavation as well as a 2 ft. by 12 ft. area on the west side. Soil was then excavated to a depth of 0.5 ft. below the concrete removed in July (**Photographs 4 and 5**). Approximately 1.5 ft. of soil below the concrete at the south end of the excavation was removed for the Aroclor-1260 exceedances identified in December 2015.

Eight soil confirmation samples and one concrete confirmation sample were collected at locations with previous Aroclor-1260 exceedances and analyzed for PCBs and EPH. One soil sample had an Aroclor-1260 detection of 0.052 mg/kg at location 022, which was below the RSRS of 0.2 mg/kg. The concrete sample collected at location 071 had an Aroclor-1260 detection of 0.42 mg/kg, which exceeded the RSRS. The requirements of N.J.A.C. 7:26E-4.9(c)3i (**Attachment 5**) allows that the average contaminant concentration of an area of remediation be used to determine compliance with remediation standards or soil cleanup criteria rather than the individual sample concentration. Using the confirmation sampling results from the latest samples, including the exceedance at sample location 071, a compliance average of 0.0643 mg/kg was calculated, which is below the RSRS of 0.2 mg/kg (**Table 4**). There were no EPH detections in any of the confirmation samples (**Table 5**).

Excavated material from Buildings 1208 and 1209 was disposed of off-site on 1-3 August 2016 concurrent with materials from Building 1002 as well as Building 978 (Parcel 97). Waste disposition documentation is provided in **Attachment 6**.

CONCLUSION

This report summarizes the removal of PCB-impacted soil and concrete and confirmation sampling at Buildings 1208 and 1209 to facilitate the transfer of property from Fort Monmouth to the private sector under the BRAC program. The implemented removal action has successfully removed PCB-impacts to the concrete slab and underlying soils to meet residential unrestricted use standards; therefore, no further action is recommended at the two facilities. Should you have any questions or require additional information, please do not hesitate to contact the undersigned at (865) 220-4757 or via e-mail at mikael.spangberg@tetratech.com.

Sincerely,

Mikael L. Spangberg, P.E., PMP
Program Manager

Attachments:
Attachment 1 – Figures
Attachment 2 – Photographs
Attachment 3 – Tabulated Analytical Results
Attachment 4 – Laboratory Analytical Results
Attachment 5 – New Jersey Requirements for Soil Compliance Averaging
Attachment 6 – Waste Disposal Documentation

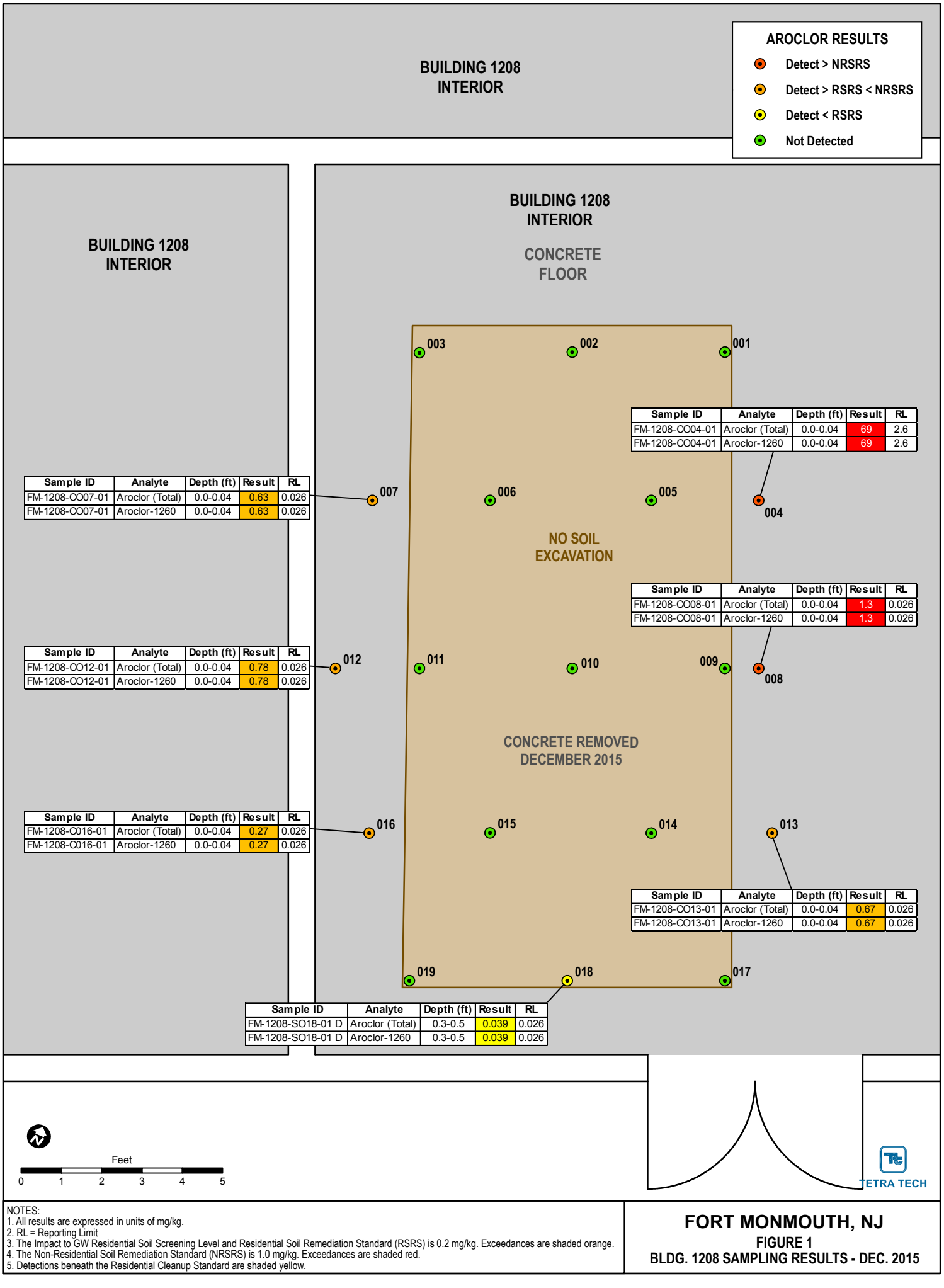
TETRA TECH

Document Distribution List

U.S. Army Engineering & Support Center, Huntsville Project Manager and Contracting Officer's Representative Attn: CEHNC-ED-CS-P (Mary Young) 4820 University Square Huntsville, AL 35816-1822	1 electronic (via email)
U.S. Army Corps of Engineers, New York District Attn: CENAN-PP-E (Mr. James Moore) 26 Federal Plaza, Room 1811 New York, NY 10278	1 electronic (via email)

ATTACHMENT 1

FIGURES

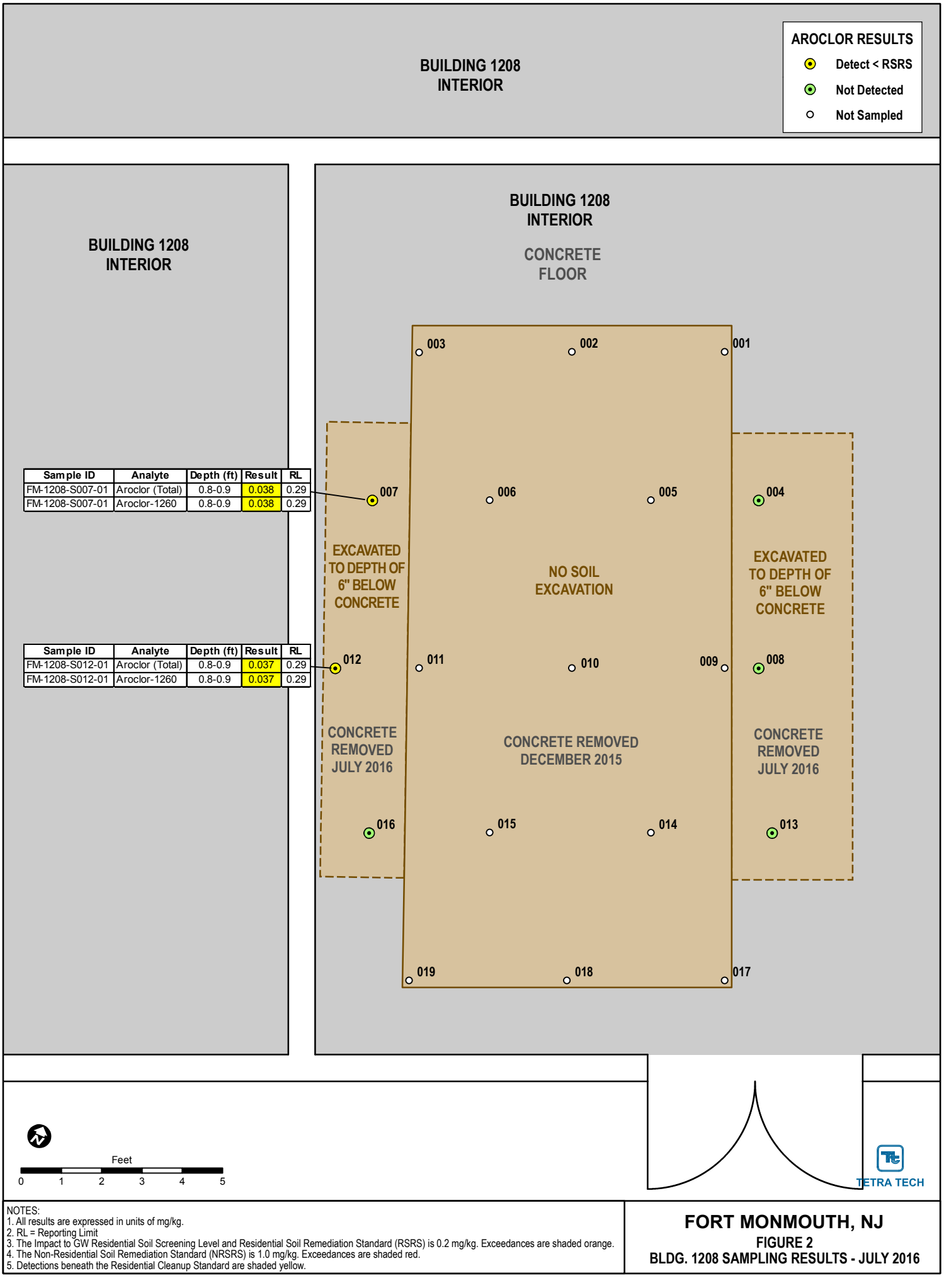


NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 1

BLDG. 1208 SAMPLING RESULTS - DEC. 2015



Sample ID	Analyte	Depth (ft)	Result	RL
FM-1208-S007-01	Aroclor (Total)	0.8-0.9	0.038	0.29
FM-1208-S007-01	Aroclor-1260	0.8-0.9	0.038	0.29

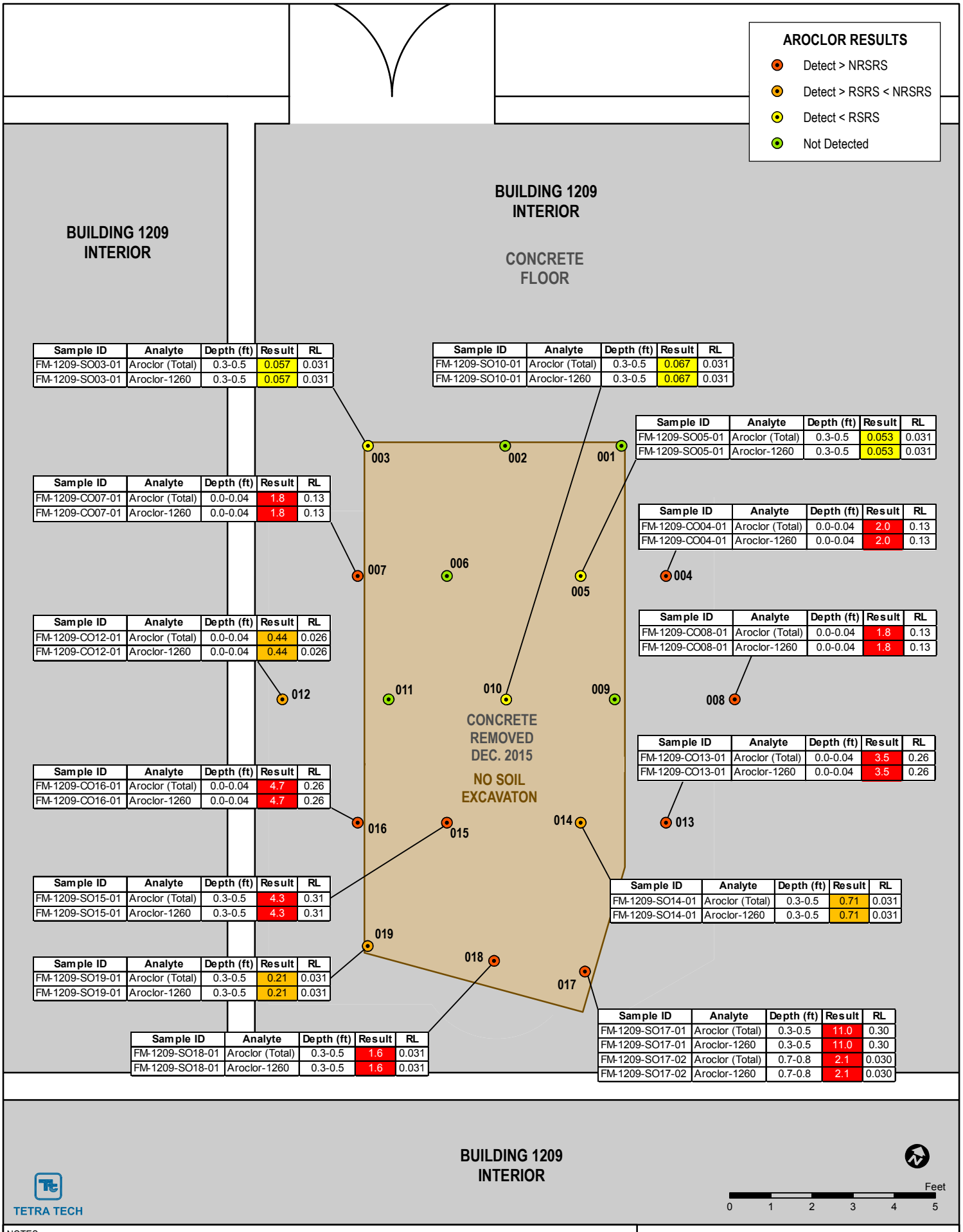
Sample ID	Analyte	Depth (ft)	Result	RL
FM-1208-S012-01	Aroclor (Total)	0.8-0.9	0.037	0.29
FM-1208-S012-01	Aroclor-1260	0.8-0.9	0.037	0.29

NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 2

BLDG. 1208 SAMPLING RESULTS - JULY 2016



Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO03-01	Aroclor (Total)	0.3-0.5	0.057	0.031
FM-1209-SO03-01	Aroclor-1260	0.3-0.5	0.057	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO10-01	Aroclor (Total)	0.3-0.5	0.067	0.031
FM-1209-SO10-01	Aroclor-1260	0.3-0.5	0.067	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO05-01	Aroclor (Total)	0.3-0.5	0.053	0.031
FM-1209-SO05-01	Aroclor-1260	0.3-0.5	0.053	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO07-01	Aroclor (Total)	0.0-0.04	1.8	0.13
FM-1209-CO07-01	Aroclor-1260	0.0-0.04	1.8	0.13

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO04-01	Aroclor (Total)	0.0-0.04	2.0	0.13
FM-1209-CO04-01	Aroclor-1260	0.0-0.04	2.0	0.13

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO12-01	Aroclor (Total)	0.0-0.04	0.44	0.026
FM-1209-CO12-01	Aroclor-1260	0.0-0.04	0.44	0.026

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO08-01	Aroclor (Total)	0.0-0.04	1.8	0.13
FM-1209-CO08-01	Aroclor-1260	0.0-0.04	1.8	0.13

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO13-01	Aroclor (Total)	0.0-0.04	3.5	0.26
FM-1209-CO13-01	Aroclor-1260	0.0-0.04	3.5	0.26

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-CO16-01	Aroclor (Total)	0.0-0.04	4.7	0.26
FM-1209-CO16-01	Aroclor-1260	0.0-0.04	4.7	0.26

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO15-01	Aroclor (Total)	0.3-0.5	4.3	0.31
FM-1209-SO15-01	Aroclor-1260	0.3-0.5	4.3	0.31

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO14-01	Aroclor (Total)	0.3-0.5	0.71	0.031
FM-1209-SO14-01	Aroclor-1260	0.3-0.5	0.71	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO19-01	Aroclor (Total)	0.3-0.5	0.21	0.031
FM-1209-SO19-01	Aroclor-1260	0.3-0.5	0.21	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO18-01	Aroclor (Total)	0.3-0.5	1.6	0.031
FM-1209-SO18-01	Aroclor-1260	0.3-0.5	1.6	0.031

Sample ID	Analyte	Depth (ft)	Result	RL
FM-1209-SO17-01	Aroclor (Total)	0.3-0.5	11.0	0.30
FM-1209-SO17-01	Aroclor-1260	0.3-0.5	11.0	0.30
FM-1209-SO17-02	Aroclor (Total)	0.7-0.8	2.1	0.030
FM-1209-SO17-02	Aroclor-1260	0.7-0.8	2.1	0.030

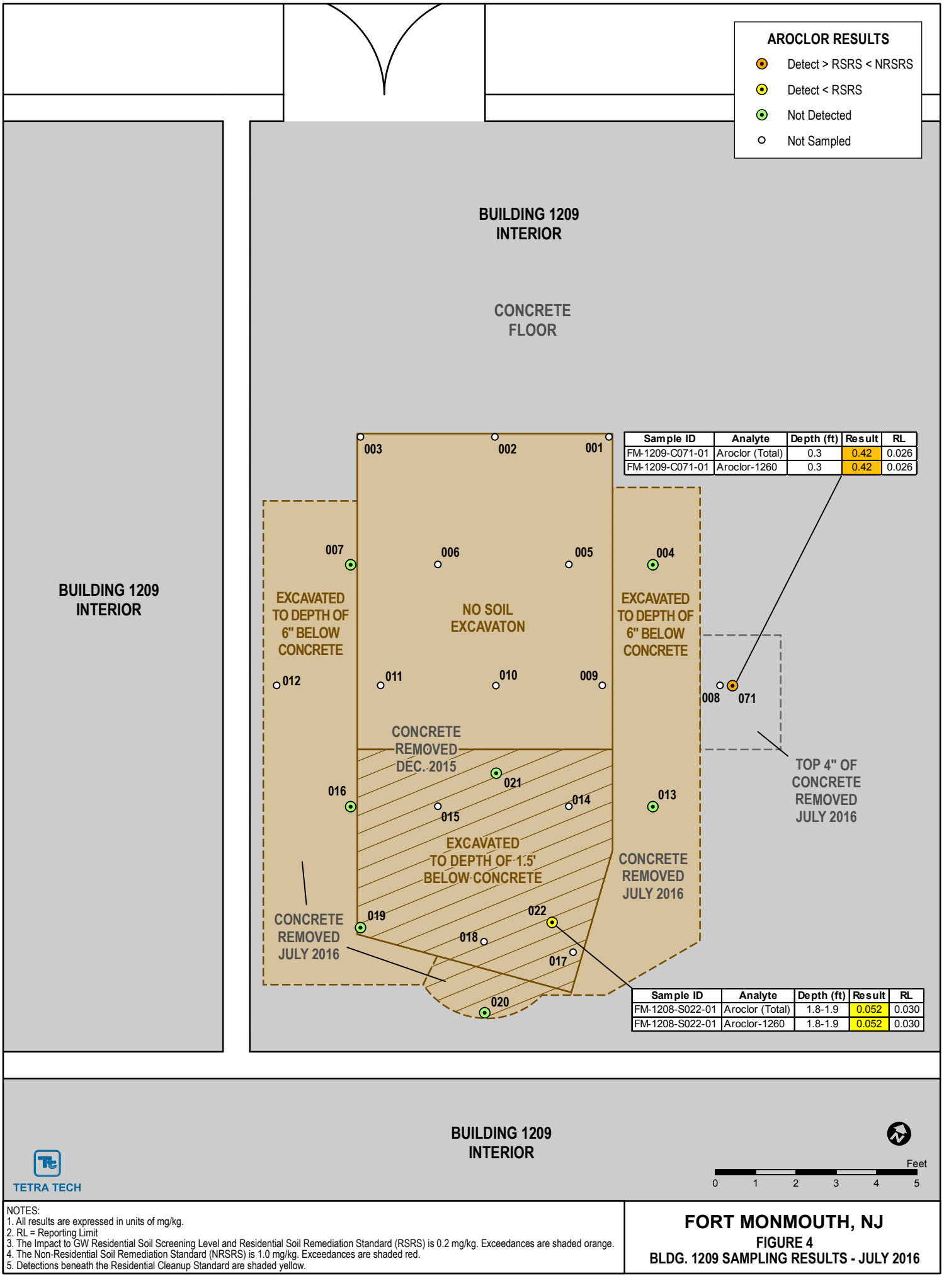
TETRA TECH

NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 3

BLDG. 1209 SAMPLING RESULTS - DEC. 2015



TETRA TECH

NOTES:
1. All results are expressed in units of mg/kg.
2. RL = Reporting Limit
3. The Impact to GW Residential Soil Screening Level and Residential Soil Remediation Standard (RSRS) is 0.2 mg/kg. Exceedances are shaded orange.
4. The Non-Residential Soil Remediation Standard (NRSRS) is 1.0 mg/kg. Exceedances are shaded red.
5. Detections beneath the Residential Cleanup Standard are shaded yellow.

FORT MONMOUTH, NJ

FIGURE 4
BLDG. 1209 SAMPLING RESULTS - JULY 2016

ATTACHMENT 2

PHOTOGRAPHS

Photograph 1. Building 1208, PCB soil and concrete sample locations, view north, 18 December 2015.

Photograph 2. Building 1208, PCB soil sample locations, view north, 2 August 2016.

Photograph 3. Building 1209, PCB soil and concrete sample locations, view south, 18 December 2015.

Photograph 4. Building 1209, PCB soil and concrete sample locations, view south, 2 August 2016.

Photograph 5. Building 1209, PCB soil sample locations, view south, 2 August 2016.

ATTACHMENT 3

TABULATED ANALYTICAL RESULTS

Table 1
PCB Remediation at Building 1208
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analytical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix							
FM-1208-CO04-01	12/18/2015	0	0.04	Concrete	69	ND	ND	ND	ND	ND	ND
FM-1208-CO07-01	12/18/2015	0	0.04	Concrete	0.63	ND	ND	ND	ND	ND	ND
FM-1208-CO08-01	12/18/2015	0	0.04	Concrete	1.3	ND	ND	ND	ND	ND	ND
FM-1208-CO12-01	12/18/2015	0	0.04	Concrete	0.78	ND	ND	ND	ND	ND	ND
FM-1208-CO13-01	12/18/2015	0	0.04	Concrete	0.67	ND	ND	ND	ND	ND	ND
FM-1208-C016-01	12/18/2015	0	0.04	Concrete	0.27	ND	ND	ND	ND	ND	ND
FM-1208-SO01-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO02-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO03-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO05-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO06-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO09-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO10-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO11-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO14-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO14-01 FD	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO15-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO17-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO18-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-SO18-01 D	12/18/2015	0.3	0.5	Soil	0.039	ND	ND	ND	ND	ND	ND
FM-1208-SO19-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-S004-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-S004-01 FD	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND

Table 1
PCB Remediation at Building 1208
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analytical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix							
FM-1208-S007-01	8/1/2016	0.3	0.4	Soil	0.038	ND	ND	ND	ND	ND	ND
FM-1208-S008-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-S012-01	8/1/2016	0.3	0.4	Soil	0.037	ND	ND	ND	ND	ND	ND
FM-1208-S013-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND
FM-1208-S016-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND	ND	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 1
PCB Remediation at Building 1208
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analytical Method	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor-1260	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	NA	NA
				NRSRS (mg/kg)	1	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix			
FM-1208-CO04-01	12/18/2015	0	0.04	Concrete	69	ND	ND
FM-1208-CO07-01	12/18/2015	0	0.04	Concrete	0.63	ND	ND
FM-1208-CO08-01	12/18/2015	0	0.04	Concrete	1.3	ND	ND
FM-1208-CO12-01	12/18/2015	0	0.04	Concrete	0.78	ND	ND
FM-1208-CO13-01	12/18/2015	0	0.04	Concrete	0.67	ND	ND
FM-1208-C016-01	12/18/2015	0	0.04	Concrete	0.27	ND	ND
FM-1208-SO01-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO02-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO03-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO05-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO06-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO09-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO10-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO11-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO14-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO14-01 FD	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO15-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO17-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO18-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-SO18-01 D	12/18/2015	0.3	0.5	Soil	0.039	ND	ND
FM-1208-SO19-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND
FM-1208-S004-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND
FM-1208-S004-01 FD	8/1/2016	0.3	0.4	Soil	ND	ND	ND

Table 1
PCB Remediation at Building 1208
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analytical Method	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor-1260	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	NA	NA
				NRSRS (mg/kg)	1	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix			
FM-1208-S007-01	8/1/2016	0.3	0.4	Soil	0.038	ND	ND
FM-1208-S008-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND
FM-1208-S012-01	8/1/2016	0.3	0.4	Soil	0.037	ND	ND
FM-1208-S013-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND
FM-1208-S016-01	8/1/2016	0.3	0.4	Soil	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 2
PCB Remediation at Building 1208
Excavation Confirmation EPH Sample Results
Fort Monmouth, New Jersey

				Analytical Method	NJEPHRev3B
				Parameter	C9-C40
				Units	mg/kg
				RSRS (mg/kg)	NA
				NRSRS (mg/kg)	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix	
FM-1208-S004-01	8/1/2016	0.3	0.4	Soil	ND
FM-1208-S004-01 FD	8/1/2016	0.3	0.4	Soil	ND
FM-1208-S007-01	8/1/2016	0.3	0.4	Soil	ND
FM-1208-S008-01	8/1/2016	0.3	0.4	Soil	ND
FM-1208-S012-01	8/1/2016	0.3	0.4	Soil	ND
FM-1208-S013-01	8/1/2016	0.3	0.4	Soil	ND
FM-1208-S016-01	8/1/2016	0.3	0.4	Soil	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.

Table 3
PCB Remediation at Building 1209
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248
				Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2
				NRSRS (mg/kg)	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix						
FM-1209-CO04-01	12/18/2015	0	0.04	Concrete	2	ND	ND	ND	ND	ND
FM-1209-CO07-01	12/18/2015	0	0.04	Concrete	1.8	ND	ND	ND	ND	ND
FM-1209-CO08-01	12/18/2015	0	0.04	Concrete	1.8	ND	ND	ND	ND	ND
FM-1209-CO12-01	12/18/2015	0	0.04	Concrete	0.44	ND	ND	ND	ND	ND
FM-1209-CO13-01	12/18/2015	0	0.04	Concrete	3.5	ND	ND	ND	ND	ND
FM-1209-CO16-01	12/18/2015	0	0.04	Concrete	4.7	ND	ND	ND	ND	ND
FM-1209-SO01-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO02-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO03-01	12/18/2015	0.3	0.5	Soil	0.057	ND	ND	ND	ND	ND
FM-1209-SO05-01	12/18/2015	0.3	0.5	Soil	0.053	ND	ND	ND	ND	ND
FM-1209-SO05-02	12/18/2015	0.7	0.8	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO06-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO09-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO10-01	12/18/2015	0.3	0.5	Soil	0.067	ND	ND	ND	ND	ND
FM-1209-SO11-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND	ND	ND
FM-1209-SO14-01	12/18/2015	0.3	0.5	Soil	0.71	ND	ND	ND	ND	ND
FM-1209-SO14-01 FD	12/18/2015	0.3	0.5	Soil	1.1	ND	ND	ND	ND	ND
FM-1209-SO15-01	12/18/2015	0.3	0.5	Soil	4.3	ND	ND	ND	ND	ND
FM-1209-SO15-02	12/18/2015	0.7	0.8	Soil	0.059	ND	ND	ND	ND	ND
FM-1209-SO17-01	12/18/2015	0.3	0.5	Soil	11	ND	ND	ND	ND	ND
FM-1209-SO17-02	12/18/2015	0.7	0.8	Soil	2.1	ND	ND	ND	ND	ND
FM-1209-SO18-01	12/18/2015	0.3	0.5	Soil	1.6	ND	ND	ND	ND	ND
FM-1209-SO18-01 FD	12/18/2015	0.3	0.5	Soil	1.4	ND	ND	ND	ND	ND
FM-1209-SO19-01	12/18/2015	0.3	0.5	Soil	0.21	ND	ND	ND	ND	ND
FM-1209-SO19-02	12/18/2015	0.7	0.8	Soil	0.071	ND	ND	ND	ND	ND
FM-1209-C071-01	7/27/2016	0.3	0.3	Concrete	0.42	ND	ND	ND	ND	ND
FM-1209-S007-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S016-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S019-03	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S020-01	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S021-01	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND	ND	ND
FM-1209-S022-01	7/29/2016	1.8	1.9	Soil	0.052	ND	ND	ND	ND	ND

Table 3
PCB Remediation at Building 1209
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

					Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
					Parameter	Aroclor (Total)	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248
					Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
					RSRS (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2
					NRSRS (mg/kg)	1	1	1	1	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix							
FM-1209-S013-02	7/29/2016	0.8	0.9	Soil		ND	ND	ND	ND	ND	ND
FM-1209-S004-02	7/29/2016	0.8	0.9	Soil		ND	ND	ND	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 3
PCB Remediation at Building 1209
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	NA	NA
				NRSRS (mg/kg)	1	1	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix				
FM-1209-CO04-01	12/18/2015	0	0.04	Concrete	ND	2	ND	ND
FM-1209-CO07-01	12/18/2015	0	0.04	Concrete	ND	1.8	ND	ND
FM-1209-CO08-01	12/18/2015	0	0.04	Concrete	ND	1.8	ND	ND
FM-1209-CO12-01	12/18/2015	0	0.04	Concrete	ND	0.44	ND	ND
FM-1209-CO13-01	12/18/2015	0	0.04	Concrete	ND	3.5	ND	ND
FM-1209-CO16-01	12/18/2015	0	0.04	Concrete	ND	4.7	ND	ND
FM-1209-SO01-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO02-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO03-01	12/18/2015	0.3	0.5	Soil	ND	0.057	ND	ND
FM-1209-SO05-01	12/18/2015	0.3	0.5	Soil	ND	0.053	ND	ND
FM-1209-SO05-02	12/18/2015	0.7	0.8	Soil	ND	ND	ND	ND
FM-1209-SO06-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO09-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO10-01	12/18/2015	0.3	0.5	Soil	ND	0.067	ND	ND
FM-1209-SO11-01	12/18/2015	0.3	0.5	Soil	ND	ND	ND	ND
FM-1209-SO14-01	12/18/2015	0.3	0.5	Soil	ND	0.71	ND	ND
FM-1209-SO14-01 FD	12/18/2015	0.3	0.5	Soil	ND	1.1	ND	ND
FM-1209-SO15-01	12/18/2015	0.3	0.5	Soil	ND	4.3	ND	ND
FM-1209-SO15-02	12/18/2015	0.7	0.8	Soil	ND	0.059	ND	ND
FM-1209-SO17-01	12/18/2015	0.3	0.5	Soil	ND	11	ND	ND
FM-1209-SO17-02	12/18/2015	0.7	0.8	Soil	ND	2.1	ND	ND
FM-1209-SO18-01	12/18/2015	0.3	0.5	Soil	ND	1.6	ND	ND
FM-1209-SO18-01 FD	12/18/2015	0.3	0.5	Soil	ND	1.4	ND	ND
FM-1209-SO19-01	12/18/2015	0.3	0.5	Soil	ND	0.21	ND	ND
FM-1209-SO19-02	12/18/2015	0.7	0.8	Soil	ND	0.071	ND	ND
FM-1209-C071-01	7/27/2016	0.3	0.3	Concrete	ND	0.42	ND	ND
FM-1209-S007-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND
FM-1209-S016-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND
FM-1209-S019-03	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND
FM-1209-S020-01	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND
FM-1209-S021-01	7/29/2016	1.8	1.9	Soil	ND	ND	ND	ND
FM-1209-S022-01	7/29/2016	1.8	1.9	Soil	ND	0.052	ND	ND

Table 3
PCB Remediation at Building 1209
Excavation Confirmation PCB Sample Results
Fort Monmouth, New Jersey

				Analtyical Method	EPA 8082A	EPA 8082A	EPA 8082A	EPA 8082A
				Parameter	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
				Units	mg/kg	mg/kg	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2	NA	NA
				NRSRS (mg/kg)	1	1	NA	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix				
FM-1209-S013-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND
FM-1209-S004-02	7/29/2016	0.8	0.9	Soil	ND	ND	ND	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 4
PCB Remediation at Building 1209
Complaince Averaging Calculation
Fort Monmouth, New Jersey

				Analytical Method	EPA 8082A	EPA 8082A
				Parameter	Aroclor (Total)	Aroclor-1260
				Units	mg/kg	mg/kg
				RSRS (mg/kg)	0.2	0.2
				NRSRS (mg/kg)	1	1
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix		
FM-1209-C071-01	7/27/2016	0.3	0.3	Concrete	0.42	0.42
FM-1209-S007-02	7/29/2016	0.8	0.9	Soil	0.015	0.015
FM-1209-S016-02	7/29/2016	0.8	0.9	Soil	0.015	0.015
FM-1209-S019-03	7/29/2016	1.8	1.9	Soil	0.016	0.016
FM-1209-S020-01	7/29/2016	1.8	1.9	Soil	0.015	0.015
FM-1209-S021-01	7/29/2016	1.8	1.9	Soil	0.0155	0.0155
FM-1209-S022-01	7/29/2016	1.8	1.9	Soil	0.052	0.052
FM-1209-S013-02	7/29/2016	0.8	0.9	Soil	0.015	0.015
FM-1209-S004-02	7/29/2016	0.8	0.9	Soil	0.015	0.015
			Average of Results		**0.0643**	**0.0643**

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
	Not Detected, 1/2 detection limit used
NA	No criterion derived for this constituent.
	Detected result less than RSRS and less than NRSRS criteria shown.
	Detected result exceeds RSRS but less than NRSRS criteria shown.
	Detected result exceeds RSRS and exceeds NRSRS criteria shown.

Table 5
PCB Remediation at Building 1209
Excavation Confirmation EPH Sample Results
Fort Monmouth, New Jersey

				Analytical Method	NJEPHRev3B
				Parameter	C9-C40
				Units	mg/kg
				RSRS (mg/kg)	NA
				NRSRS (mg/kg)	NA
Sample ID	Collection Date	Start Depth (ft bgs)	End Depth (ft bgs)	Matrix	
FM-1209-S004-02	7/29/2016	0.8	0.9	Soil	ND
FM-1209-S007-02	7/29/2016	0.8	0.9	Soil	ND
FM-1209-S013-02	7/29/2016	0.8	0.9	Soil	ND
FM-1209-S016-02	7/29/2016	0.8	0.9	Soil	ND
FM-1209-S019-03	7/29/2016	1.8	1.9	Soil	ND
FM-1209-S020-01	7/29/2016	1.8	1.9	Soil	ND
FM-1209-S021-01	7/29/2016	1.8	1.9	Soil	ND
FM-1209-S022-01	7/29/2016	1.8	1.9	Soil	ND

Notes:

mg/kg	milligrams per kilogram
RSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Residential critieria.
NRSRS	New Jersey Department of Environmental Protection Soil Remediation Standards (June 2, 2008) Non-Residential critieria.
FD	Field Duplicate
ND	Not Detected
NA	No criterion derived for this constituent.

ATTACHMENT 4

LABORATORY ANALYTICAL REPORTS

Buildings 1208 and 1209 Sample Cross-Reference

Area	Field Sample	Collected	Matrix	Lab Sample ID	Lab SDG
Building 1208	FM-1208-SO01-01	12/18/2015	Soil	AC88851-033	5122106
Building 1208	FM-1208-SO02-01	12/18/2015	Soil	AC88851-035	5122106
Building 1208	FM-1208-SO03-01	12/18/2015	Soil	AC88851-036	5122106
Building 1208	FM-1208-CO04-01	12/18/2015	Concrete	AC88851-038	5122106
Building 1208	FM-1208-SO05-01	12/18/2015	Soil	AC88851-039	5122106
Building 1208	FM-1208-SO06-01	12/18/2015	Soil	AC88851-041	5122106
Building 1208	FM-1208-CO07-01	12/18/2015	Concrete	AC88851-042	5122106
Building 1208	FM-1208-CO08-01	12/18/2015	Concrete	AC88851-043	5122106
Building 1208	FM-1208-SO09-01	12/18/2015	Soil	AC88851-044	5122106
Building 1208	FM-1208-SO10-01	12/18/2015	Soil	AC88851-046	5122106
Building 1208	FM-1208-SO11-01	12/18/2015	Soil	AC88851-048	5122106
Building 1208	FM-1208-CO12-01	12/18/2015	Concrete	AC88851-050	5122106
Building 1208	FM-1208-CO13-01	12/18/2015	Concrete	AC88851-051	5122106
Building 1208	FM-1208-SO14-01	12/18/2015	Soil	AC88851-052	5122106
Building 1208	FM-1208-SO14-01 FD	12/18/2015	Soil	AC88851-053	5122106
Building 1208	FM-1208-SO15-01	12/18/2015	Soil	AC88851-054	5122106
Building 1208	FM-1208-C016-01	12/18/2015	Concrete	AC88851-058	5122106
Building 1208	FM-1208-SO17-01	12/18/2015	Soil	AC88851-059	5122106
Building 1208	FM-1208-SO18-01	12/18/2015	Soil	AC88851-061	5122106
Building 1208	FM-1208-SO18-01 D	12/18/2015	Soil	AC88851-062	5122106
Building 1208	FM-1208-SO19-01	12/18/2015	Soil	AC88851-063	5122106
Building 1208	FM-1208-S004-01	8/1/2016	Soil	AC92726-001	6080222
Building 1208	FM-1208-S004-01 FD	8/1/2016	Soil	AC92726-002	6080222
Building 1208	FM-1208-S007-01	8/1/2016	Soil	AC92726-003	6080222
Building 1208	FM-1208-S008-01	8/1/2016	Soil	AC92726-004	6080222
Building 1208	FM-1208-S012-01	8/1/2016	Soil	AC92726-007	6080222
Building 1208	FM-1208-S013-01	8/1/2016	Soil	AC92726-008	6080222
Building 1208	FM-1208-S016-01	8/1/2016	Soil	AC92726-009	6080222
Building 1209	FM-1209-SO01-01	12/18/2015	Soil	AC88851-001	5122106
Building 1209	FM-1209-SO02-01	12/18/2015	Soil	AC88851-003	5122106
Building 1209	FM-1209-SO03-01	12/18/2015	Soil	AC88851-004	5122106
Building 1209	FM-1209-CO04-01	12/18/2015	Concrete	AC88851-006	5122106
Building 1209	FM-1209-SO05-01	12/18/2015	Soil	AC88851-007	5122106
Building 1209	FM-1209-SO05-02	12/18/2015	Soil	AC88851-008	5122106
Building 1209	FM-1209-SO06-01	12/18/2015	Soil	AC88851-009	5122106
Building 1209	FM-1209-CO07-01	12/18/2015	Concrete	AC88851-010	5122106
Building 1209	FM-1209-CO08-01	12/18/2015	Concrete	AC88851-011	5122106
Building 1209	FM-1209-SO09-01	12/18/2015	Soil	AC88851-012	5122106
Building 1209	FM-1209-SO10-01	12/18/2015	Soil	AC88851-014	5122106
Building 1209	FM-1209-SO11-01	12/18/2015	Soil	AC88851-016	5122106

Buildings 1208 and 1209 Sample Cross-Reference

Area	Field Sample	Collected	Matrix	Lab Sample ID	Lab SDG
Building 1209	FM-1209-CO12-01	12/18/2015	Concrete	AC88851-018	5122106
Building 1209	FM-1209-CO13-01	12/18/2015	Concrete	AC88851-019	5122106
Building 1209	FM-1209-SO14-01	12/18/2015	Soil	AC88851-020	5122106
Building 1209	FM-1209-SO14-01 FD	12/18/2015	Soil	AC88851-021	5122106
Building 1209	FM-1209-SO15-01	12/18/2015	Soil	AC88851-022	5122106
Building 1209	FM-1209-SO15-02	12/18/2015	Soil	AC88851-025	5122106
Building 1209	FM-1209-CO16-01	12/18/2015	Concrete	AC88851-026	5122106
Building 1209	FM-1209-SO17-01	12/18/2015	Soil	AC88851-027	5122106
Building 1209	FM-1209-SO17-02	12/18/2015	Soil	AC88851-028	5122106
Building 1209	FM-1209-SO18-01	12/18/2015	Soil	AC88851-029	5122106
Building 1209	FM-1209-SO18-01 FD	12/18/2015	Soil	AC88851-030	5122106
Building 1209	FM-1209-SO19-01	12/18/2015	Soil	AC88851-031	5122106
Building 1209	FM-1209-SO19-02	12/18/2015	Soil	AC88851-032	5122106
Building 1209	FM-1209-C071-01	7/27/2016	Concrete	AC92614-002	6072717
Building 1209	FM-1209-S004-02	7/29/2016	Soil	AC92682-001	6080101
Building 1209	FM-1209-S007-02	7/29/2016	Soil	AC92682-002	6080101
Building 1209	FM-1209-S013-02	7/29/2016	Soil	AC92682-003	6080101
Building 1209	FM-1209-S016-02	7/29/2016	Soil	AC92682-004	6080101
Building 1209	FM-1209-S019-03	7/29/2016	Soil	AC92682-005	6080101
Building 1209	FM-1209-S020-01	7/29/2016	Soil	AC92682-006	6080101
Building 1209	FM-1209-S021-01	7/29/2016	Soil	AC92682-007	6080101
Building 1209	FM-1209-S022-01	7/29/2016	Soil	AC92682-008	6080101

HC Report of Analysis

Client: Tetra Tech Inc.
HC Project #: 5122106
Project: Concrete Removal for PCB

Sample ID: FM-1209-SO01-01
Lab#: AC88851-001
Matrix: Soil
Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-SO02-01
Lab#: AC88851-003
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-SO03-01
Lab#: AC88851-004
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**84**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.030**	**0.057**
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	**1**	**mg/kg**	**0.030**	**0.057**
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-CO04-01
Lab#: AC88851-006
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**5**	**mg/kg**	**0.13**	**2**
Aroclor-1016	5	mg/kg	0.13	ND
Aroclor-1221	5	mg/kg	0.13	ND
Aroclor-1232	5	mg/kg	0.13	ND
Aroclor-1242	5	mg/kg	0.13	ND
Aroclor-1248	5	mg/kg	0.13	ND
Aroclor-1254	5	mg/kg	0.13	ND
Aroclor-1260	**5**	**mg/kg**	**0.13**	**2.0**
Aroclor-1262	5	mg/kg	0.13	ND
Aroclor-1268	5	mg/kg	0.13	ND

Sample ID: FM-1209-SO05-01
Lab#: AC88851-007
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.030**	**0.053**
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	**1**	**mg/kg**	**0.030**	**0.053**
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-SO05-02
Lab#: AC88851-008
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.031	ND
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	1	mg/kg	0.031	ND
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Sample ID: FM-1209-SO06-01
Lab#: AC88851-009
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-CO07-01
Lab#: AC88851-010
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**98**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**5**	**mg/kg**	**0.13**	**1.8**
Aroclor-1016	5	mg/kg	0.13	ND
Aroclor-1221	5	mg/kg	0.13	ND
Aroclor-1232	5	mg/kg	0.13	ND
Aroclor-1242	5	mg/kg	0.13	ND
Aroclor-1248	5	mg/kg	0.13	ND
Aroclor-1254	5	mg/kg	0.13	ND
Aroclor-1260	**5**	**mg/kg**	**0.13**	**1.8**
Aroclor-1262	5	mg/kg	0.13	ND
Aroclor-1268	5	mg/kg	0.13	ND

Sample ID: FM-1209-CO08-01
Lab#: AC88851-011
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**5**	**mg/kg**	**0.13**	**1.8**
Aroclor-1016	5	mg/kg	0.13	ND
Aroclor-1221	5	mg/kg	0.13	ND
Aroclor-1232	5	mg/kg	0.13	ND
Aroclor-1242	5	mg/kg	0.13	ND
Aroclor-1248	5	mg/kg	0.13	ND
Aroclor-1254	5	mg/kg	0.13	ND
Aroclor-1260	**5**	**mg/kg**	**0.13**	**1.8**
Aroclor-1262	5	mg/kg	0.13	ND
Aroclor-1268	5	mg/kg	0.13	ND

Sample ID: FM-1209-SO09-01
Lab#: AC88851-012
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.031	ND
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	1	mg/kg	0.031	ND
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Sample ID: FM-1209-SO10-01
Lab#: AC88851-014
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.031**	**0.067**
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	**1**	**mg/kg**	**0.031**	**0.067**
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Sample ID: FM-1209-SO11-01
Lab#: AC88851-016
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-CO12-01
Lab#: AC88851-018
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.44**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	**1**	**mg/kg**	**0.026**	**0.44**
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1209-CO13-01
Lab#: AC88851-019
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		97

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**10**	**mg/kg**	**0.26**	**3.5**
Aroclor-1016	10	mg/kg	0.26	ND
Aroclor-1221	10	mg/kg	0.26	ND
Aroclor-1232	10	mg/kg	0.26	ND
Aroclor-1242	10	mg/kg	0.26	ND
Aroclor-1248	10	mg/kg	0.26	ND
Aroclor-1254	10	mg/kg	0.26	ND
Aroclor-1260	**10**	**mg/kg**	**0.26**	**3.5**
Aroclor-1262	10	mg/kg	0.26	ND
Aroclor-1268	10	mg/kg	0.26	ND

Sample ID: FM-1209-SO14-01
Lab#: AC88851-020
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.031**	**0.71**
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	**1**	**mg/kg**	**0.031**	**0.71**
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Sample ID: FM-1209-SO14-01 FD
Lab#: AC88851-021
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		79

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.032**	**1.1**
Aroclor-1016	1	mg/kg	0.032	ND
Aroclor-1221	1	mg/kg	0.032	ND
Aroclor-1232	1	mg/kg	0.032	ND
Aroclor-1242	1	mg/kg	0.032	ND
Aroclor-1248	1	mg/kg	0.032	ND
Aroclor-1254	1	mg/kg	0.032	ND
Aroclor-1260	**1**	**mg/kg**	**0.032**	**1.1**
Aroclor-1262	1	mg/kg	0.032	ND
Aroclor-1268	1	mg/kg	0.032	ND

Sample ID: FM-1209-SO15-01
Lab#: AC88851-022
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**10**	**mg/kg**	**0.31**	**4.3**
Aroclor-1016	10	mg/kg	0.31	ND
Aroclor-1221	10	mg/kg	0.31	ND
Aroclor-1232	10	mg/kg	0.31	ND
Aroclor-1242	10	mg/kg	0.31	ND
Aroclor-1248	10	mg/kg	0.31	ND
Aroclor-1254	10	mg/kg	0.31	ND
Aroclor-1260	**10**	**mg/kg**	**0.31**	**4.3**
Aroclor-1262	10	mg/kg	0.31	ND
Aroclor-1268	10	mg/kg	0.31	ND

Sample ID: FM-1209-SO15-01 MS
Lab#: AC88851-023
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		79

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**10**	**mg/kg**	**0.32**	**5.83**
Aroclor-1016	**10**	**mg/kg**	**0.32**	**0.93**
Aroclor-1221	10	mg/kg	0.32	ND
Aroclor-1232	10	mg/kg	0.32	ND
Aroclor-1242	10	mg/kg	0.32	ND
Aroclor-1248	10	mg/kg	0.32	ND
Aroclor-1254	10	mg/kg	0.32	ND
Aroclor-1260	**10**	**mg/kg**	**0.32**	**4.9**
Aroclor-1262	10	mg/kg	0.32	ND
Aroclor-1268	10	mg/kg	0.32	ND

Sample ID: FM-1209-SO15-01 MS
Lab#: AC88851-024
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**10**	**mg/kg**	**0.31**	**6.54**
Aroclor-1016	**10**	**mg/kg**	**0.31**	**0.94**
Aroclor-1221	10	mg/kg	0.31	ND
Aroclor-1232	10	mg/kg	0.31	ND
Aroclor-1242	10	mg/kg	0.31	ND
Aroclor-1248	10	mg/kg	0.31	ND
Aroclor-1254	10	mg/kg	0.31	ND
Aroclor-1260	**10**	**mg/kg**	**0.31**	**5.6**
Aroclor-1262	10	mg/kg	0.31	ND
Aroclor-1268	10	mg/kg	0.31	ND

Sample ID: FM-1209-SO15-02
Lab#: AC88851-025
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**79**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.032**	**0.059**
Aroclor-1016	1	mg/kg	0.032	ND
Aroclor-1221	1	mg/kg	0.032	ND
Aroclor-1232	1	mg/kg	0.032	ND
Aroclor-1242	1	mg/kg	0.032	ND
Aroclor-1248	1	mg/kg	0.032	ND
Aroclor-1254	1	mg/kg	0.032	ND
Aroclor-1260	**1**	**mg/kg**	**0.032**	**0.059**
Aroclor-1262	1	mg/kg	0.032	ND
Aroclor-1268	1	mg/kg	0.032	ND

Sample ID: FM-1209-CO16-01
Lab#: AC88851-026
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**10**	**mg/kg**	**0.26**	**4.7**
Aroclor-1016	10	mg/kg	0.26	ND
Aroclor-1221	10	mg/kg	0.26	ND
Aroclor-1232	10	mg/kg	0.26	ND
Aroclor-1242	10	mg/kg	0.26	ND
Aroclor-1248	10	mg/kg	0.26	ND
Aroclor-1254	10	mg/kg	0.26	ND
Aroclor-1260	**10**	**mg/kg**	**0.26**	**4.7**
Aroclor-1262	10	mg/kg	0.26	ND
Aroclor-1268	10	mg/kg	0.26	ND

Sample ID: FM-1209-SO17-01
Lab#: AC88851-027
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**10**	**mg/kg**	**0.30**	**11**
Aroclor-1016	10	mg/kg	0.30	ND
Aroclor-1221	10	mg/kg	0.30	ND
Aroclor-1232	10	mg/kg	0.30	ND
Aroclor-1242	10	mg/kg	0.30	ND
Aroclor-1248	10	mg/kg	0.30	ND
Aroclor-1254	10	mg/kg	0.30	ND
Aroclor-1260	**10**	**mg/kg**	**0.30**	**11**
Aroclor-1262	10	mg/kg	0.30	ND
Aroclor-1268	10	mg/kg	0.30	ND

Sample ID: FM-1209-SO17-02
Lab#: AC88851-028
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.030**	**2.1**
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	**1**	**mg/kg**	**0.030**	**2.1**
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-SO18-01
Lab#: AC88851-029
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.031**	**1.6**
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	**1**	**mg/kg**	**0.031**	**1.6**
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Sample ID: FM-1209-SO18-01 FD
Lab#: AC88851-030
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.031**	**1.4**
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	**1**	**mg/kg**	**0.031**	**1.4**
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Sample ID: FM-1209-SO19-01
Lab#: AC88851-031
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.031**	**0.21**
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	**1**	**mg/kg**	**0.031**	**0.21**
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Sample ID: FM-1209-SO19-02
Lab#: AC88851-032
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**79**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.032**	**0.071**
Aroclor-1016	1	mg/kg	0.032	ND
Aroclor-1221	1	mg/kg	0.032	ND
Aroclor-1232	1	mg/kg	0.032	ND
Aroclor-1242	1	mg/kg	0.032	ND
Aroclor-1248	1	mg/kg	0.032	ND
Aroclor-1254	1	mg/kg	0.032	ND
Aroclor-1260	**1**	**mg/kg**	**0.032**	**0.071**
Aroclor-1262	1	mg/kg	0.032	ND
Aroclor-1268	1	mg/kg	0.032	ND

Sample ID: FM-1208-SO01-01
Lab#: AC88851-033
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1208-SO02-01
Lab#: AC88851-035
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1208-SO03-01
Lab#: AC88851-036
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1208-CO04-01
Lab#: AC88851-038
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**100**	**mg/kg**	**2.6**	**69**
Aroclor-1016	100	mg/kg	2.6	ND
Aroclor-1221	100	mg/kg	2.6	ND
Aroclor-1232	100	mg/kg	2.6	ND
Aroclor-1242	100	mg/kg	2.6	ND
Aroclor-1248	100	mg/kg	2.6	ND
Aroclor-1254	100	mg/kg	2.6	ND
Aroclor-1260	**100**	**mg/kg**	**2.6**	**69**
Aroclor-1262	100	mg/kg	2.6	ND
Aroclor-1268	100	mg/kg	2.6	ND

Sample ID: FM-1208-SO05-01
Lab#: AC88851-039
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-SO06-01
Lab#: AC88851-041
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-CO07-01
Lab#: AC88851-042
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**98**

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.63**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	**1**	**mg/kg**	**0.026**	**0.63**
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1208-CO08-01
Lab#: AC88851-043
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		97

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.026	1.3
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	1	mg/kg	0.026	1.3
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1208-SO09-01
Lab#: AC88851-044
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1208-SO10-01
Lab#: AC88851-046
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-SO11-01
Lab#: AC88851-048
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1208-CO12-01
Lab#: AC88851-050
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.78**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	**1**	**mg/kg**	**0.026**	**0.78**
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1208-CO13-01
Lab#: AC88851-051
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.67**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	**1**	**mg/kg**	**0.026**	**0.67**
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1208-SO14-01
Lab#: AC88851-052
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-SO14-01 FD
Lab#: AC88851-053
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-SO15-01
Lab#: AC88851-054
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-SO15-01 MS
Lab#: AC88851-055
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**1.34**
Aroclor-1016	**1**	**mg/kg**	**0.028**	**0.71**
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	**1**	**mg/kg**	**0.028**	**0.63**
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1208-SO15-01 MSD
Lab#: AC88851-056
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	1.33
Aroclor-1016	1	mg/kg	0.029	0.70
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	0.63
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-C016-01
Lab#: AC88851-058
Matrix: Concrete

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.27**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	**1**	**mg/kg**	**0.026**	**0.27**
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

Sample ID: FM-1208-SO17-01
Lab#: AC88851-059
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-SO18-01
Lab#: AC88851-061
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-SO18-01 D
Lab#: AC88851-062
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**0.039**
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	**1**	**mg/kg**	**0.029**	**0.039**
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-SO19-01
Lab#: AC88851-063
Matrix: Soil

Collection Date: 12/18/2015
Receipt Date: 12/21/2015

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

5122106 0070

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5122106

Page 1 of 7

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100, Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.mcmyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth, Oceanport NJ
2d) Quote/PO # (If Applicable): 100-TEN-T33367

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	(Hazsite/CSV)
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
(2 Business Days (75%)*)	(NJ Reduced)	(Excel - NJ Regulatory)
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓
Batch # A68865

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	FM-1209-S001-01	S	12/18/15	1045 hrs		✓	✓	1								
002	FM-1209-S001-02	"	"	1049 hrs		✓	✓	1								Hold
003	FM-1209-S002-01	"	"	1050 hrs		✓	✓	1								
004	FM-1209-S003-01	"	"	1056 hrs		✓	✓	1								
005	FM-1209-S003-02	"	"	1058 hrs		✓	✓	1								Hold
006	FM-1209-C004-01	OT	"	0939 hrs		✓	✓	1								Concrete
007	FM-1209-S005-01	S	"	1114 hrs		✓	✓	1								
008	FM-1209-S005-02	"	"	1119 hrs		✓	✓	1								
009	FM-1209-S006-01	"	"	1124 hrs		✓	✓	1								
010	FM-1209-C007-01	OT	"	1023 hrs		✓	✓	1								Concrete

10) Relinquished by:	Accepted by:	Date	Time
Rob Rolon		12/18/15	2100 hrs
		12/21/15	0930

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.4°C, 3.1

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

5122106 0071

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5122106

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	(Hazsite/CSV)
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
(2 Business Days (75%)*)	(NJ Reduced)	(Excel - NJ Regulatory)
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100, Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.mcmyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth, Oceanport NJ
2d) Quote/PO # (If Applicable): 100-TEN-T33367

FOR LAB USE ONLY ↓

Batch # AC98851

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
011	FM-1209-C008-01	OT	12/18/15	0926 hrs		✓	✓	1								Concrete
012	FM-1209-S009-01	S		1129 hrs		✓	✓	1								
013	FM-1209-S009-02	|	|	1131 hrs		✓	✓	1								Hold
014	FM-1209-S010-01	|	|	1136 hrs		✓	✓	1								
015	FM-1209-S010-02	|	|	1139 hrs		✓	✓	1								Hold
016	FM-1209-S011-01	|	|	1142 hrs		✓	✓	1								
017	FM-1209-S011-02	|	|	1144 hrs		✓	✓	1								Hold
018	~~FM-1209-S011-02FD~~	|	|			✓	✓	1								~~Hold~~ KK
018019	FM-1209-C012-01	OT	|	1010 hrs		✓	✓	1								Concrete
019020	FM-1209-C013-01	OT	↓	0913 hrs		✓	✓	1								"

10) Relinquished by:	Accepted by:	Date	Time
Rob Rolon		12/18/15	2100 hrs
		12/21/15	9:30

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Cooler Temperature:

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

5122106 0072

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5122106

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100
Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.mcmyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth Oceanport NJ
2d) Quote/PO # (If Applicable): 100-TGW-T33367

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	~~EnviroData~~
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓
Batch # AC36851

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

===> Check If Contingent ===>

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
020	FM-1209-S014-01	S	12/18/15	1152 hrs		✓	✓	1								
021	FM-1209-S014-01FD	"	"	1152 hrs		✓	✓	1								
022	FM-1209-S015-01	"	"	1158 hrs		✓	✓	1								
023/024	FM-1209-S015-01	"	"	1158 hrs		✓	✓	1								MS/MSD
025	FM-1209-S015-02	"	"	1203 hrs		✓	✓	1								Hold
026	FM-1209-C016-01	OT		0958 hrs		✓	✓	1								Concrete
027	FM-1209-S017-01	S		1206 hrs		✓	✓	1								
028	FM-1209-S017-02	"	"	1210 hrs		✓	✓	1								Hold
029	FM-1209-S018-01	"	"	1217 hrs		✓	✓	1								
030	FM-1209-S018-01FD	"	"	1217 hrs		✓	✓	1								

10) Relinquished by:	Accepted by:	Date	Time
Rob Rolon		12/18/15	2100 hrs
		12/4/15	9:30

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature:

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

5122106 0073

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5122106

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	(Hazsite/CSV)
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
(2 Business Days (75%)*)	(NJ Reduced)	(Excel - NJ Regulatory)
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100
Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.mcmyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth Oceanport NJ
2d) Quote/PO # (If Applicable): 100-TEN-T33367

FOR LAB USE ONLY ↓

Batch # AG88851

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
031	FM-1209-S019-01	S	12/18/15	1220 hrs		✓	✓	1								
032	FM-1209-S019-02			1223 hrs		✓	✓	1								Hold
033	FM-1208-S001-01			1701 hrs		✓	✓	1								
034	FM-1208-S001-02			1703 hrs		✓	✓	1								Hold
035	FM-1208-S002-01			1705 hrs		✓	✓	1								
036	FM-1208-S003-01			1709 hrs		✓	✓	1								
037	FM-1208-S003-02			1713 hrs		✓	✓	1								Hold
038	FM-1208-C004-01	OT		1624 hrs		✓	✓	1								Concrete
039	FM-1208-S005-01	S		1717 hrs		✓	✓	1								
040	FM-1208-S005-02			1720 hrs		✓	✓	1								Hold

10) Relinquished by:	Accepted by:	Date	Time
Rob Bolan		12/18/15	2100 hrs
		12/21/15	9:30

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Cooler Temperature:

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

5122106 0074

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5122106

Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV*
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100, Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.mcmyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth Oceanport N.J.
2d) Quote/PO # (If Applicable): 100-TEN-T33367

FOR LAB USE ONLY ↓

Batch # AQ8885

===> Check If Contingent ===>

Matrix Codes

DW - Drinking Water; S - Soil; A - Air; GW - Ground Water; SL - Sludge; WW - Waste Water; OL - Oil; OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
041	FM-1208-S006-01	S	12/18/15	1722	hrs	✓	✓	1								
042	FM-1208-C007-01	OT		1549	hrs	✓	✓	1								Concrete
043	FM-1208-C008-01	OT		1634	hrs	✓	✓	1								Concrete
044	FM-1208-S009-01	S		1725	hrs	✓	✓	1								
045	FM-1208-S009-02			1728	hrs	✓	✓	1								Hold
046	FM-1208-S010-01			1734	hrs	✓	✓	1								
047	FM-1208-S010-02			1737	hrs	✓	✓	1								Hold
048	FM-1208-S011-01			1741	hrs	✓	✓	1								
049	FM-1208-S011-02			1744	hrs	✓	✓	1								Hold
050	FM-1208-C012-01	OT		1601	hrs	✓	✓	1								Concrete

10) Relinquished by:	Accepted by:	Date	Time
Rob Rolan		12/18/15	2100 hrs
		12/21/15	9:30

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature:

Additional Notes

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

5122106 0075

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
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CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5122106

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS *(specify below)*:
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr, Ste 100
Oak Ridge TN ~~387~~ 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.mcmyler@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth Oceanport NJ
2d) Quote/PO # (If Applicable): 100-TEN-T33367

FOR LAB USE ONLY ↓
Batch # AG88851

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

===> *Check If Contingent* ===>

7) Analysis *(specify methods & parameter lists)*

<=== *Check If Contingent* <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
051	FM-1208-C013-01	OT	12/18/15	1650	hrs	✓	✓	1								Concrete
052	FM-1208-S014-01	S		1751	hrs	✓	✓	1								
053	FM-1208-S014-01 FD			1751	hrs	✓	✓	1								Field Duplicate
054	FM-1208-S015-01			1756	hrs	✓	✓	1								
055/056	FM-1208-S015-01 MS			1756	hrs	✓	✓	1								MSMSD
057	FM-1208-S015-02			1804	hrs	✓	✓	1								Hold
058	FM-1208-C016-01	OT		1613	hrs	✓	✓	1								Concrete
059	FM-1208-S017-01	S		1805	hrs	✓	✓	1								
060	FM-1208-S017-02			1807	hrs	✓	✓	1								Hold
061	FM-1208-S018-01			1813	hrs	✓	✓	1								

10) Relinquished by:	Accepted by:	Date	Time
Rob Rolon		12/18/15	2100 hrs
		12/21/15	9:30

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

5122106 0076

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

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NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 5122106

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100
Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Mikael.spangberg@tetratech.com
1d) Send Report to: Maureen.morrison@tetratech.com

Project Information

2a) Project: Concrete Removal for PCB impacted locations
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth Oceanport N.J.
2d) Quote/PO # (If Applicable): 100-TGW-T3367

FOR LAB USE ONLY ↓

Batch # AC88851

<===> Check If Contingent <===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
0102	FM-1208-S018-01	S	12/18/15	1813 hrs		✓	✓	1								Field Duplicate
0103	FM-1208-S019-01	1	1	1817 hrs		✓	✓	1								
0104	FM-1208-S019-02	1	1	1819 hrs		✓	✓	1								Hold
				1606			Entry									
							RK									
							12/18/2015									

10) Relinquished by:	Accepted by:	Date	Time
Rob Rolon		12/18/15	2100 hrs
		12/21/15	9:30

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature:

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Sample ID: FM-1209-C071-01
Lab#: AC92614-002
Matrix: Concrete

Collection Date: 7/27/2016
Receipt Date: 7/27/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		95

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.026**	**0.42**
Aroclor-1016	1	mg/kg	0.026	ND
Aroclor-1221	1	mg/kg	0.026	ND
Aroclor-1232	1	mg/kg	0.026	ND
Aroclor-1242	1	mg/kg	0.026	ND
Aroclor-1248	1	mg/kg	0.026	ND
Aroclor-1254	1	mg/kg	0.026	ND
Aroclor-1260	**1**	**mg/kg**	**0.026**	**0.42**
Aroclor-1262	1	mg/kg	0.026	ND
Aroclor-1268	1	mg/kg	0.026	ND

6072717 0009

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 6072717

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS *(specify below)*:
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100
Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph: Rob 407-448-9553
1c) Send Invoice to: Maureen McKyler 865-220-4762
1d) Send Report to: Maureen McKyler

Project Information

2a) Project: Fort Monmouth
Parcel 97 (Bldg. 978)
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth NJ
2d) Quote/PO # (If Applicable): 4817

FOR LAB USE ONLY ↓

Batch #: AC92614

Matrix Codes
DW - Drinking Water | S - Soil | A - Air
GW - Ground Water | SL - Sludge
WW - Waste Water | OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082 24-Hr TAT (num)	NJ EPH Cat 2 Std. TAT (num)	PAH 8270 (Hold)	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	FM-P97-SW070-01	S	7/27/16	0903		X	X	X	X	1								Boring S@48 South wall
-002	FM-1209-C071-01	OT	"	1028		X	X			1								Concrete chips East floor
			Last Entry					7/27/16										

<===> Check If Contingent <===>

===> Check If Contingent ===>

10) Relinquished by:	Accepted by:	Date	Time
		7/27/16	1250 hrs
		7/27/16	1420

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.7

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

HC Report of Analysis

Client: Tetra Tech Inc.
Project: Fort Monmouth Bldg 1209

HC Project #: 6080101

Sample ID: FM-1209-S004-02
Lab#: AC92682-001
Matrix: Soil

Collection Date: 7/29/2016
Receipt Date: 8/1/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	73	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-S007-02
Lab#: AC92682-002
Matrix: Soil

Collection Date: 7/29/2016
Receipt Date: 8/1/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	73	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-S013-02
Lab#: AC92682-003
Matrix: Soil

Collection Date: 7/29/2016
Receipt Date: 8/1/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	72	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-S016-02
Lab#: AC92682-004
Matrix: Soil

Collection Date: 7/29/2016
Receipt Date: 8/1/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	73	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-S019-03
Lab#: AC92682-005
Matrix: Soil

Collection Date: 7/29/2016
Receipt Date: 8/1/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		79

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	76	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.032	ND
Aroclor-1016	1	mg/kg	0.032	ND
Aroclor-1221	1	mg/kg	0.032	ND
Aroclor-1232	1	mg/kg	0.032	ND
Aroclor-1242	1	mg/kg	0.032	ND
Aroclor-1248	1	mg/kg	0.032	ND
Aroclor-1254	1	mg/kg	0.032	ND
Aroclor-1260	1	mg/kg	0.032	ND
Aroclor-1262	1	mg/kg	0.032	ND
Aroclor-1268	1	mg/kg	0.032	ND

Sample ID: FM-1209-S020-01
Lab#: AC92682-006
Matrix: Soil

Collection Date: 7/29/2016
Receipt Date: 8/1/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	73	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Sample ID: FM-1209-S021-01
Lab#: AC92682-007
Matrix: Soil

Collection Date: 7/29/2016
Receipt Date: 8/1/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	74	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.031	ND
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	1	mg/kg	0.031	ND
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Sample ID: FM-1209-S022-01
Lab#: AC92682-008
Matrix: Soil

Collection Date: 7/29/2016
Receipt Date: 8/1/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		82

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	73	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.030**	**0.052**
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	**1**	**mg/kg**	**0.030**	**0.052**
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

6080101 0016

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 6080101

Page 1 of 1

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	~~NY Reduced~~	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other: See Below	Electronic (PDF)	Other: PDF

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100
Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph: Rob Rdon 407-448-9553
1c) Send Invoice to: Maureen McMyler 865-220-4762
1d) Send Report to: Maureen McMyler

Project Information

2a) Project: Fort Monmouth
Bldg. 1209
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth NJ
2d) Quote/PO # (If Applicable): 4817

FOR LAB USE ONLY ↓

Batch # AC92682

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082 3-Day TAT (rush)	NJ EPH CAT 2 5d TAT (rush)	PAH 8270 (hold)	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	FM-1209-S0004-02	S	7/29/16	1040		X	X	X	X	1								
-002	FM-1209-S0007-02			1007		X	X	X	X	1								
-003	FM-1209-S0013-02			1035		X	X	X	X	1								
-004	FM-1209-S0016-02			1012		X	X	X	X	1								
	~~FM-1209-S0017-03~~																	No sample
-005	FM-1209-S0019-03			1016		X	X	X	X	1								
-006	FM-1209-S0020-01			1021		X	X	X	X	1								
-007	FM-1209-S0021-01			1026		X	X	X	X	1								
9-008	FM-1209-S0022-01			1031		X	X	X	X	1								

10) Relinquished by:	Accepted by:	Date	Time
		7/29/16	1630 hrs
		8/1/16	10:15

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 5.0

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

HC Report of Analysis

Client: Tetra Tech Inc.
Project: Fort Monmouth Bldg 1208

HC Project #: 6080222

Sample ID: FM-1208-S004-01
Lab#: AC92726-001
Matrix: Soil

Collection Date: 8/1/2016
Receipt Date: 8/2/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	68	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1208-S004-01 FD
Lab#: AC92726-002
Matrix: Soil

Collection Date: 8/1/2016
Receipt Date: 8/2/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	68	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1208-S007-01
Lab#: AC92726-003
Matrix: Soil

Collection Date: 8/1/2016
Receipt Date: 8/2/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	69	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**0.038**
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	**1**	**mg/kg**	**0.029**	**0.038**
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-S008-01
Lab#: AC92726-004
Matrix: Soil

Collection Date: 8/1/2016
Receipt Date: 8/2/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	70	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-S008-01 MS
Lab#: AC92726-005
Matrix: Soil

Collection Date: 8/1/2016
Receipt Date: 8/2/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	70	360

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	1.3
Aroclor-1016	1	mg/kg	0.029	0.64
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	0.63
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-S008-01 MSD
Lab#: AC92726-006
Matrix: Soil

Collection Date: 8/1/2016
Receipt Date: 8/2/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	70	330

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**1.2**
Aroclor-1016	**1**	**mg/kg**	**0.029**	**0.62**
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	**1**	**mg/kg**	**0.029**	**0.62**
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-S012-01
Lab#: AC92726-007
Matrix: Soil

Collection Date: 8/1/2016
Receipt Date: 8/2/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**88**

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	68	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**0.037**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	**1**	**mg/kg**	**0.028**	**0.037**
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Sample ID: FM-1208-S013-01
Lab#: AC92726-008
Matrix: Soil

Collection Date: 8/1/2016
Receipt Date: 8/2/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	70	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Sample ID: FM-1208-S016-01
Lab#: AC92726-009
Matrix: Soil

Collection Date: 8/1/2016
Receipt Date: 8/2/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

NJ EPH Category 2

Analyte	DF	Units	RL	Result
C9-C40	1	mg/kg	70	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

6080222 0017

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 6080222

Page 1 of 1

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other:	Electronic (PDF)	Other: PDF

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: Tetra Tech
Address: 1093 Commerce Park Dr. Ste 100 Oak Ridge TN 37830
1b) Email/Cell/Fax/Ph: Rob 401-448-9553
1c) Send Invoice to: Maureen McMyler 865-220-4762
1d) Send Report to: Maureen McMyler

Project Information

2a) Project: Ft. Monmouth Bldg. 1208
2b) Project Mgr: Mikael Spangberg
2c) Project Location (City/State): Ft. Monmouth NJ
2d) Quote/PO # (If Applicable): 4817

FOR LAB USE ONLY ↓

Batch # AC92726

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	PCB 8082 3-day TAT (run)	NJ EPH Cat 2 5d TAT (run)	PAH 8270 (Hold)	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	FM-1208-S001-01	S	8/1/16	0810		X	X	X	X	1								
-002	FM-1208-S001-01 FD	S		0810		X	X	X	X	1								Field Duplicate
-003	FM-1208-S007-01	S		0838		X	X	X	X	1								
-004	FM-1208-S008-01	S		0823		X	X	X	X	1								
005/006	FM-1208-S008-01 MS/MSD	S		0823		X	X	X	X	1								MS/MSD
007	FM-1208-S012-01	S		0847		X	X	X	X	1								
008	FM-1208-S013-01	S		0831		X	X	X	X	1								
009	FM-1208-S016-01	S	☆	0855		X	X	X	X	1								

10) Relinquished by:	Accepted by:	Date	Time
		8/1/16	15:30
		8/2/16	0755
		8/2/16	

Additional Notes

Note: FM-1208 S008-01 is MS/MSD for PCB & EPH Cat 2 DTW 8/2/16

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2-4

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

ATTACHMENT 5

NEW JERSEY REQUIRMENTS FOR SOIL COMPLIANCE AVERAGING
N.J.A.C. 7:26E-4.9(c)3i

Compliance Averaging

By: Brian J. Sogorka,
Bureau of Environmental Evaluation & Risk Assessment

The average contaminant concentration in an area of concern may be used to determine compliance with remediation standards or the Soil Cleanup Criteria rather than the contaminant concentration of individual samples. This approach is called "compliance averaging." An article describing the department's policies on compliance averaging appeared in the November 1993 *Site Remediation News*. The department's policy on the use of the multiplication factors has been modified (see item 4d below) and new policies have been added (see items 5, 6 and 7 below). The department's current requirements for using compliance averaging are described below.

To minimize the impact of the new policy described in 4d below on sites currently undergoing remediation, this policy will not be effective until July 1, 1995, except as follows. Remedial action workplans approved before the effective date need not comply with the new guidance, subject to case by case review by the department. However, remediation, including sampling or cleanup activities, conducted prior to the effective date of the guidance without remedial action workplan approval will be evaluated by the department for substantial compliance with the new guidance. Any questions regarding implementation of the department's guidance should be directed to your Case Manager.

1. Compliance averaging can only be used after a remedial investigation has been completed which fully delineates the nature and extent of the contamination present. See N.J.A.C. 7:26E, the Technical Requirements for Site Remediation (Technical Rules), Subchapter 4 for the requirements of a remedial investigation.

   It is not appropriate to use compliance averaging based upon the information obtained in a site investigation. The objective of a site investigation is to determine if contamination is present above any applicable remediation standards or Soil Cleanup Criteria. Sample locations used during the site investigation must be biased to the suspected location of greatest contamination and therefore, results cannot be averaged. If such biased samples are contaminated above any applicable remediation standards or Soil Cleanup Criteria, then contaminant delineation in a remedial investigation is required.

2. The Technical Rules, at N.J.A.C. 7:26E-4.9(c)3i, specify certain requirements for averaging data:

   a. The arithmetic mean must be used to calculate the average contaminant concentration;

   b. One-half of the method detection limit for non-detectable results from samples which have not been diluted must be used to calculate the average contaminant concentration. Any estimated values (also known as "J" values) must be used "as reported" to calculate the average contaminant concentration;

   c. Non-detectable results for samples which have been diluted may not be used to calculate the average contaminant concentration;

   d. The requirement at 4.9(c)3i(5) excludes from compliance averaging any samples from a "clean" buffer zone identified around a contaminated area. A suspected area of concern is often reduced or expanded based on remedial investigation delineation sampling and only samples which lie within the modified area of concern (excluding clean zones) can be utilized for compliance averaging (see Figure 1);

   e. The requirement at 4.9(c)3i(5) also specifies that samples from different depth intervals may not be averaged together to determine compliance. However, under certain circumstances it may be appropriate to average data for two or more vertical sample increments. For example, if only the "Impact to Ground Water" Soil Cleanup Criteria are driving the cleanup, it may be appropriate, based on site specific conditions, to average data for two or more vertical sample increments. If a "direct contact" Soil Cleanup Criterion is driving the cleanup but the soil is unlikely to be disturbed (for example, beneath a building or greater than ten feet deep), it may also be appropriate to average data for two or more vertical sample increments. Such requests require a variance decision pursuant to N.J.A.C. 7:26E-1.6(d).

3. Samples exceeding the 10,000 ppm total organic limit or the 1,000 ppm total volatile organic limit cannot be averaged for compliance because these samples represent "gross" contaminant levels and, therefore, no samples may exceed these limits.

4. There is a limit on the maximum allowable concentration for individual samples when compliance averaging through the application of a multiplication factor which is applied to the Soil Cleanup Criterion or health based criterion, whichever is lower (see item 4d below for more details). The multiplication factors vary depending on the specific Soil Cleanup Criterion. No single sample can exceed the applicable Soil Cleanup Criteria for a specific contaminant as follows:

    a. If the Soil Cleanup Criterion is 10 ppm or less, then individual soil samples cannot exceed the Soil Cleanup Criterion by more than a factor of 10 or 50 ppm (ceiling level), whichever is less;

    b. If the applicable Soil Cleanup Criterion is greater than 10 ppm but less than or equal to 100 ppm, then individual soil samples cannot exceed the Soil Cleanup Criterion by more than a factor of 5 or 200 ppm (ceiling level), whichever is less;

    c. If the applicable Soil Cleanup Criterion is greater than 100 ppm, then individual soil samples cannot exceed the Soil Cleanup Criterion by more than a factor of 2.

    d. The department's guidance, as described in the November 1993 *Site Remediation News*, was to apply the multiplication factors to the Soil Cleanup Criteria. However, the department's current guidance is to apply the factors to health based criteria, not Soil Cleanup Criteria which are based on natural background or practical quantitation levels (PQLs). The department believes that applying the multiplication factors to health based criteria is more consistent with the intent of the factors, that is, to limit exposure to high concentrations of the contaminant. This change in guidance has the following implications:

        1) Elimination of the option to average for *arsenic and thallium*:

        The 20 ppm Soil Cleanup Criterion for arsenic is based on natural background which is already 50 times higher than the health based number for arsenic (0.4 ppm). Therefore, allowing individual samples to exceed the Soil Cleanup Criterion would not be appropriate unless a site specific remediation standard was developed.

        Exceedances of the 20 ppm arsenic criterion due to natural background conditions would not require cleanup but would require a site specific remediation standard to document that local natural background was greater than 20 ppm.

        The 2 ppm Soil Cleanup Criterion for thallium is based on a PQL but the health based number is zero. Therefore, averaging is not appropriate. Exceedances of the 2 ppm thallium criterion would require a site specific remediation standard.

        2) More stringent compliance criteria for *benzo(a)pyrene and dibenz(a,h)anthracene*:

        The 0.66 ppm Soil Cleanup Criteria for these compounds are based on a PQL which is approximately 7 times higher than the health based number (0.09 ppm). Applying the 10x factor to 0.09 ppm means that, when averaging is applied, no sample may exceed 0.9 ppm.

        3) More stringent compliance criteria for *beryllium*:

        The 1 ppm Soil Cleanup Criterion for beryllium is based on a PQL which is 5 times higher than the health based number (0.2 ppm). Applying the 10x factor to 0.2 ppm means that, when averaging is applied, no sample may exceed 2 ppm.

        4) Other contaminants affected by this policy are *bis(2-chloroethyl)ether, hexachlorobenzene, and N-nitrosodi-n-propylamine*. As these contaminants are not commonly encountered in site remediation, the department should be contacted on a case specific basis to address any compliance averaging issues.

5. The Soil Cleanup Criteria for PCBs are based on the total PCB concentration of the sample. As there is no standard laboratory protocol for reporting and averaging total PCBs, the department uses the following approach:

    To calculate total PCBs for an individual sample, add together any "hits" for the individual Arochlors. If there are no "hits", report the highest method detection limit as the total PCB method detection limit. When averaging total PCB data for two or more samples, first calculate total PCBs for each sample as above, then apply the applicable averaging requirements described in this article.

6. The department has found that strict adherence to the Soil Cleanup Criteria is sometimes overly conservative for small areas of moderately contaminated soil. In general, the smaller the area of contamination, the less likely it is that there will be significant exposure to the contaminants. In addition, if the contamination is at depth in the soil column (two feet below ground surface or deeper), the potential for exposure is even further reduced. It is usually not possible to use compliance averaging for such isolated areas of contamination because it is not permissible to average clean zone samples with the contaminated area samples.

Therefore, the following approach may be used if, after completion of a remedial investigation, contaminated soils at an area of concern are not in compliance with a Soil Cleanup Criterion after averaging, but the data indicate that there is only a de minimis amount of contaminated soil. The department will consider "no further action" proposals without environmental restrictions if all the following criteria are met:

a. Contaminant levels are "moderate"; that is, below the multiplication factor limits or ceiling levels, and below the 10,000 ppm total organic limit and the 1,000 ppm total volatile organic limit;

b. Since the multiplication factor limits are applied to health-based numbers, the restrictions applicable to averaging also apply to de minimis exemptions. Therefore, the de minimis exemption cannot be applied to arsenic or thallium contamination;

c. Sample data document that there is only a de minimis amount of contaminated soil remaining in the area of concern. In general, a de minimis area of contaminated soil is considered to be a six inch layer of soil over a ten foot radius. In addition, only contaminated soil at two or more feet below ground surface will be considered for this exemption. Considering the depth and the limited areal extent of the contaminants, direct soil exposure is expected to be relatively infrequent.

   It may sometimes be acceptable to apply the de minimis exemption to larger areas as well, but this should be reviewed on a site specific basis. Exception decisions should consider such factors as contaminant concentration, the volume of contaminated soil, and the size of the area where exposure to the contaminants may occur. For example, assume that the Soil Cleanup Criterion is 5 ppm, the isolated "hit" is 6 ppm, and the "clean zone" is 20 feet away. In this situation, although the de minimis criteria above have not been met, the de minimis exemption might still be appropriate because the contamination is present at a concentration only slightly above the Soil Cleanup Criterion.

d. An evaluation of the contaminant mass, persistence and location indicates limited potential for significant human health or environmental impacts, including ground water impacts; and

e. There can be only one de minimis exemption per area of concern.

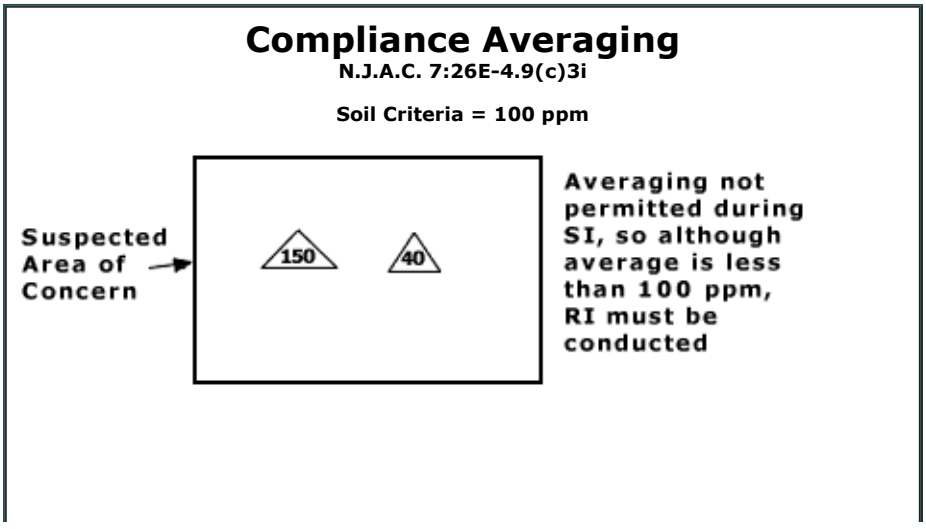
7. Sample results for contaminated soil remaining in an area of concern may be averaged after remedial actions when soils have been excavated or otherwise permanently remediated if the following conditions are met:

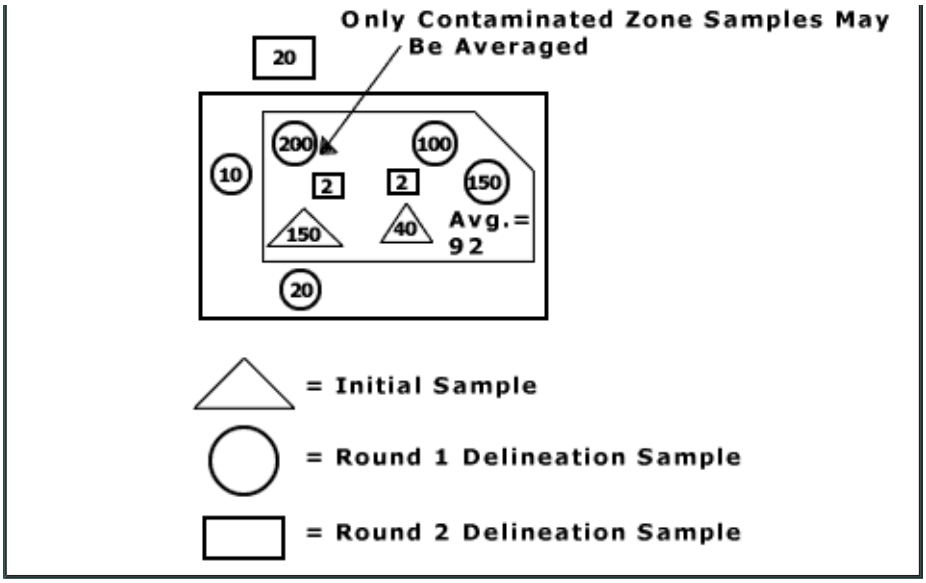
   a. Data from clean fill used to replace contaminated soils in the area of concern cannot be included to calculate the average;

   b. Sidewall sample data from excavated areas may be used in the average if sample data from the same six inch depth increment are averaged; and

   c. Post remediation bottom sample data may be averaged with other sample data from the same six-inch depth increment.

Figure 1





ATTACHMENT 6

WASTE DISPOSAL DOCUMENTATION

FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010
(732) 462-1001 • FAX (732) 308-0924

BILL OF LADING

FCI EPA ID NO. NJD054126164

S 595163

350 Pigeon Point Road New Castle, DE 19720 Phone: (302) 658-2005 Fax: (302) 658-6229	175 Bartow Mun. Airport Bartow, FL 33830 Phone: (863) 533-4599 Fax: (863) 533-1613	5533 Dunham Road Maple Heights, OH 44137 Phone: (330) 835-3473 Fax: (330) 835-3732	108 Monahan Avenue Dunmore, PA 18512 Phone: (570) 342-7232 Fax: (570) 342-7367	132 Myrtle Beach Hwy. Sumter, SC 29153 Phone: (803) 773-2611 Fax: (803) 773-2942

SHIPPER NAME/ADDRESS: FI McMurry ... Ocean Port NJ
PHONE (AREA CODE):
TRACTOR: 196
TRAILER: 4105
APPOINTMENT TIME: 13:00

FCI REP. LOADING (PRINT): Robert Manuel
PROCEDURE: Remand
EQUIP. SPOTTED: —
EQUIP. REMOVED: 9470
TIME AT SHIPPER (MILITARY TIME ONLY): ARRIVAL TIME 12:45 ; DEPARTURE TIME :

COMMENTS OR DELAYS AT SHIPPER: Site was Load Not Completly Read when I arrived
EQUIPMENT USED: —

BROKER:
PO#:
WO#:

MANIFEST/DOCUMENT NO.

(X) HM		PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
X	1	See manifest	9	3432	III	1	CM	20	Y		
	2										
	3										

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE: Bill McIntich, Ant Supervisor
SHIPPER'S SIGNATURE: X [signature]
I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.
DATE LOADED: 07 / 02 / 16 (MO. DAY YR.)

CONSIGNEE NAME/ADDRESS: Wayne Disposal ... Belleville MI
PHONE (AREA CODE):
TRACTOR:
TRAILER:
APPOINTMENT TIME: :

FCI REP. UNLOADING (PRINT):
PROCEDURE: Dump
EQUIP. SPOTTED:
EQUIP. REMOVED: 1470
TIME AT CONSIGNEE (MILITARY TIME ONLY): ARRIVAL TIME : ; DEPARTURE TIME :

COMMENTS OR DELAYS AT CONSIGNEE:
EQUIPMENT USED:

PLEASE PRINT NAME/TITLE:
CONSIGNEE SIGNATURE: X
DATE UNLOADED: / / (MO. DAY YR.)

AR H-0257 CT CT-HW-307 DE DE-HW-203 DE-SW-203 IL UPW-0190713-OH MA MA-294	MD HWH-167 2001-OPV-2335 ME ME-HWT-47 ME-WOT-47 MI UPW-0190713-OH MN UPW-0190713-OH	MO H-1490 ND WH-429 NH TNH-0047 NJ S-2265 15939 NY NJ-113	OH UPW-0190713-OH OK UPW-0190713-OH ONTARIO, CANADA A 840943 PA PA-AH-0067 QUEBEC, CANADA QC-6ML-047 RI RI-535	TX 40705 WI 11602 WV UPW-0190713-OH

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/Customer
Green - Retained by TSDF
Gold - Retained by Generator

S 595163

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NJ321002597	1	732-613-1800	001871775 FLE

GENERATOR

5. Generator's Name and Mailing Address
US Dept of Army Fort Monmouth - Main Post
PO Box 140
Oceanport, NJ 07757

Generator's Site Address (if different than mailing address)
Main Post
Fort Monmouth, NJ 07703

Generator's Phone:

6. Transporter 1 Company Name: Federal Cartage, Inc — U.S. EPA ID Number: NJD054178184

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Wayne Disposal, Inc. Sheriff Landfill
49350 N I-94 Service Drive
Belleville, MI 48111

U.S. EPA ID Number: MID048090633

Facility's Phone: 800-592-5489

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA, UN-3432, Polychlorinated Biphenyls, Solid, Mixture, Class 9, PG III ERG# 171	XX1	CM		T	PCB1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
H150189WDI - PCB Soil & Concrete

AWI PO # 14485 MP

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: MATHEW CUNLIFFE — Signature — Month: 02 — Day: 02 — Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Appendix C

Fact Sheet for Removal Action at FTMM-47

Fact Sheet - Removal Action Completion for FTMM-47
Fort Monmouth, Oceanport, NJ
June 2018

U.S. Army Corps of Engineers

New York District and the U.S. Army Engineering and Support Center, Huntsville

Introduction

This Fact Sheet summarizes the removal of polychlorinated biphenyl (PCB)-impacted soil at Site FTMM-47 at U.S. Army Fort Monmouth (FTMM) (Figure 1). Removal of PCB-contaminated soil under Buildings 1002, 1208, and 1209 started in December 2015 and was completed by August 2016. Removal of PCB-contaminated soil occurred during the removal of PCB-contaminated concrete and was not anticipated.

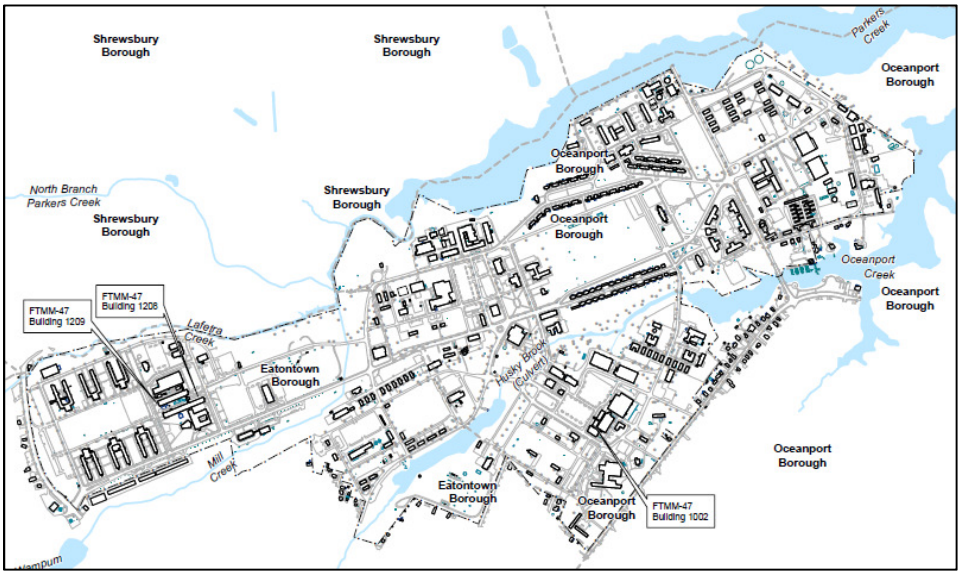


Figure 1 – Main Post Layout and Locations of FTMM-47 Buildings 1002, 1208, and 1209

The Army initiated the Site FTMM-47 PCB-contaminated concrete removal action in accordance with the cleanup and disposal options for PCB remediation waste under the Toxic Substances Control Act, Title 40 of the Code of Federal Regulations (CFR) §761.61 (TSCA). Once PCB-contaminated soil was encountered, the Army removed the soil pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. §§ 9601 et seq. (CERCLA). The removal action was undertaken to reduce potential risks of exposure to human health, welfare, and the environment via removal of the source waste materials (PCB-impacted concrete and soil).

Site Background

Between 1989 and 1990, all electrical transformers at FTMM were tested for PCB content. A total of 33 transformers, including those in Buildings 1002, 1208, and 1209, were found to be PCB transformers (defined as transformers with oil concentrations greater than 500 parts per million PCBs). Following this testing, PCB transformers at FTMM were either replaced or refurbished with non-PCB-containing oil. Subsequent testing was performed in 1995 that revealed PCBs in concrete underlying the electrical transformers in Buildings 1002, 1208 and 1209 (Figure 2).

Figure 2 – Former Electrical Transformers at Buildings 1002 (left), 1208 (center), and 1209 (right).

Removal Actions

Removal actions at Buildings 1002, 1208, and 1209 were performed by Tetra Tech, Inc. between December 2015 and August 2016. The goal was to remove any PCB-contaminated concrete (and then soil once it was discovered) with concentrations that exceeded the unrestricted use cleanup standard for PCBs established by the New Jersey Department of Environmental Protection (NJDEP). This cleanup standard, called the Residential Direct Contact Soil Remediation Standard (RDCSRS) is 0.2 milligram per kilogram (mg/kg). Although the RDCSRS was developed for soil, it has also been used for comparison to concrete concentrations in anticipation of its acceptance for unrestricted use. The TSCA also has an unrestricted use standard of 1 mg/kg.

The completion of these removal actions is documented in the *Removal Action Completion Report (RACR) for FTMM-47* (Parsons, 2018). A copy of the RACR is available for public review in the FTMM Environmental Restoration Public Information Repository (the Administrative Record) at the Monmouth County Library, Eastern Branch, 1001 Route 35, Shrewsbury NJ 07702.

Building 1002

Concrete samples were collected in 2015, which confirmed the presence of PCBs in the concrete. In December 2015, a slab of PCB-impacted concrete was removed from within the Building 1002 utility room and sub-slab soil as well as concrete samples were collected and analyzed for PCBs. Some of the samples exceeded the NJDEP RDCSRS, so a second removal action was needed. In August 2016, an additional section of the PCB-impacted concrete slab was removed and soil below the slab was then excavated. Soil samples were collected at or adjacent to previous PCB exceedances and analyzed for PCBs and extractable petroleum hydrocarbons (EPH) (Figure 3).

Figure 3 - Building 1002 Excavation and PCB Soil Sample Locations, August 2016

Figure 4 - Building 1208 Excavation and PCB Soil Sample Locations, August 2016

Building 1208

In December 2015, a slab of PCB-impacted concrete was removed from within the Building 1208 utility room, and several soil and concrete samples were collected and analyzed for PCBs. Some of the samples exceeded the NJDEP RDCSRS so a second removal action was needed. In July 2016, additional PCB-impacted concrete was removed, and soil below the former slab was then excavated. Soil samples were collected at or adjacent to previous PCB exceedances and analyzed for PCBs and EPH (Figure 4).

Building 1209

In December 2015, a slab of PCB-impacted concrete was removed from within the Building 1209 utility room, and several soil and concrete samples were collected and analyzed for PCBs. Some of the samples exceeded the NJDEP RDCSRS so a second removal action was needed. In July 2016, additional PCB-impacted concrete was removed, and soil below the former slab was then excavated. Soil samples were collected at or adjacent to previous PCB exceedances and analyzed for PCBs and EPH (Figure 5).

Figure 5 - Building 1209 Excavation and PCB Soil Sample Locations, August 2016

PROJECT COMPLETION

The PCB-contaminated concrete and soil that was removed from the Buildings 1002, 1208 and 1209 sites were transported and disposed of offsite at a permitted TSCA and hazardous waste facility in Michigan. All confirmation soil and concrete sample results collected following the second removal action at each building were below the TSCA and NJDEP unrestricted use standards. Therefore, additional remediation is not needed at FTMM-47.

COMMUNITY INVOLVEMENT

The New York District invites public comment on this Fact Sheet. Written comments will be accepted during a 30-day comment period starting July 10, 2018 and ending August 8, 2018. All comments must be postmarked by August 8, 2018 and mailed to the address below (or emailed by August 8, 2018 to william.r.colvin18.civ@mail.mil):

BRAC Environmental Coordinator
OACSIM - U.S. Army Fort Monmouth
Attn: Mr. William Colvin
P.O. Box 148, Oceanport, NJ 07757
(732) 380-7064

Appendix D

Public Notice

PUBLIC NOTICE

U.S. Army Corps of Engineers,
NY District

FACT SHEET FOR REMOVAL ACTION AT FTMM-47

Fort Monmouth, Oceanport

Monmouth County, New Jersey

The U.S. Army Corps of Engineers New York District and the U.S. Army Engineering and Support Center, Huntsville (USAESCH), has prepared a *Fact Sheet* for FTMM-47 (the Site) at Fort Monmouth (FTMM) in Oceanport, Monmouth County, New Jersey. The U.S. Army is the lead agency for FTMM in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Executive Order 12580. New Jersey Department of Environmental Protection (NJDEP) is the state support agency under the National Contingency Plan for FTMM.

The purpose of the *Fact Sheet* is to document the U.S. Army's removal of polychlorinated biphenyl (PCB) contaminated soil at the Site.

The *Fact Sheet,* the associated reports, and the full public record for the Site, are available for review in the FTMM Environmental Restoration Public Information Repository (the Administrative Record) at the Monmouth County Library, Eastern Branch, 1001 Route 35, Shrewsbury NJ 07702. The *Fact Sheet* is also posted on the FTMM Environmental Restoration Program website (http://www.pica.army.mil/ftmonmouth/).

The New York District invites public comment on the *Fact Sheet*. Written comments will be accepted during a 30-day comment period starting Tuesday July 10, 2018 and ending Wednesday August 8, 2018. All comments must be postmarked by August 8, 2018 and mailed to the address below (or emailed by August 8, 2018 to william.r.colvin18.civ@mail.mil):

BRAC Environmental Coordinator
OACSIM - U.S. Army Fort Monmouth
Attn: Mr. William Colvin
P.O. Box 148, Oceanport, NJ 07757
(732) 380-7064