Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*45*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-0.5 asphalt; 0.5-5.0 fill consisting of medium, brown SAND, little gravel, little brick, damp at 4.5.*
Notes	*Sample; 0.5-1.0 pcbs; 2.0-3.0 pcbs;*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*47*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-10 fill consisting of saturated, dark brown, medium SAND and coarse gravel, little brick, little silt.*
Notes	*6-7 pcbs, etph, pah*

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Boring Log

Record: 673	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-08-01*
Start Time	*14:29:00*
End Date	*2017-08-01*
End Time	*14:29:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-9*
Boring Number	*Ws-aoc9-so-39*
Boring Photo	
Notes	*39-3 pcb dup -44*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1.5 concrete with minimal asphalt at surface* *1.5-4 fco loose dry black silty MEDIUM COARSE SAND* *4-5 fco loose dry brown silty MEDIUM COARSE SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-6.5 fco loose dry brown silty MEDIUM COARSE SAND* *6.5-8 fco loose dry red brown MEDIUM SAND* *8-10 fco loose wet black silty GRAVEL*

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Boring Log

Record: 676	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-08-01*
Start Time	*14:53:00*
End Date	*2017-08-01*
End Time	*14:53:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-9*
Boring Number	*Ws-aoc9-so-40*
Boring Photo	
Notes	*Refusal twice at 2.5 ft. One was all concrete. Second was half concrete half material and refusal at same depth. Potential vault.*

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Samples	
Depth	*5*
Penetration (inches)	*30*
Recovery (inches)	*18*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1.5 concrete* *1.5-2.5 fco loose dry orange black silty MEDIUM COARSE SAND*

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Boring Log

Record: 670	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-08-01*
Start Time	*13:56:00*
End Date	*2017-08-01*
End Time	*13:56:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-9*
Boring Number	*Ws-aoc9-so-41*
Boring Photo	
Notes	*41-3b@9.5-10 etph pahs*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1.5 asphalt* *1.5-3 concrete* *3-4.5 fco loose dry black silty MEDIUM COARSE SAND* *4.5-5 fco loose dry red brown MEDIUM SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-9 fco loose wet brown silty GRAVEL* *9-10 fco medium dense wet black sandy SILT with slight petroleum odor*

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Boring Log

Record: 667	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-08-01*
Start Time	*13:36:00*
End Date	*2017-08-01*
End Time	*13:36:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-9*
Boring Number	*Ws-aoc9-so-44*
Boring Photo	
Notes	*No recovery 5-10 on two attempts. Potentially a void or unrecoverable material.* *Adjusted sampling intervals upwards.* *44-1@1-2 pcbs msmsd* *44-2@2.5-3 pcbs* *44-3@4.5-5 pcbs*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 asphalt* *1-2 concrete* *2-4.5 fco loose dry black silty MEDIUM COARSE SAND* *4.5-5 fco loose dry red brown MEDIUM SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*0*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*No recovery on two attempts*

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Boring Log

Record: 661	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-08-01*
Start Time	*11:36:00*
End Date	*2017-08-01*
End Time	*11:37:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-9*
Boring Number	*Ws-aoc9-so-45*
Boring Photo	
Notes	*Adjusted sample intervals due to refusal at 6'* *45-1 @ 0-0.5 pcbs* *45-2 @ 0.5-1 pcbs msmsd* *45-3a @4-4.5 pcbs* *45-4@4.5-5 etph pah*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*45*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco loose dry tan FINE SAND with little asphalt* *1-5 fco loose dry red brown MEDIUM FINE SAND*

Samples	
Depth	*6*
Penetration (inches)	*12*
Recovery (inches)	*6*
Depth (feet)	*1*
PID (ppmv)	*1.8*
Sample Description & Classification (Modified Burmister)	*5-6 fco loose wet red brown MEDIUM SAND* *Refusal at 6'*

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Boring Log

Record: 664	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-08-01*
Start Time	*11:56:00*
End Date	*2017-08-01*
End Time	*11:56:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-9*
Boring Number	*Ws-aoc9-so-46*
Boring Photo	
Notes	*46-1 pcb duo-41* *46-2 etph pah pcb*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco asphalt* *1-4.5 fco loose dry brown silty FINE SAND with bands of red brown at 1-1.5 and 3.5-4* *4.5-5 fco loose wet brown silty MEDIUM SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*48*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-6.5 fco loose wet brown silty GRAVEL* *6.5-8 fco medium dense moist grey CLAY* *8-10 fco medium dense wet black gravelly CLAY*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*48*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-12 fco loose wet grey silty GRAVEL* *12-15 fco medium dense moist grey silty CLAY*

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Boring Log

Record: 658	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-08-01*
Start Time	*11:02:00*
End Date	*2017-08-01*
End Time	*11:02:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-9*
Boring Number	*Ws-aoc9-so-47*
Boring Photo	
Notes	*47-3 etph pah pcb*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*33*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco concrete and asphalt* *1-3.5 fco loose dry red brown silty FINE SAND* *3.5-5 fco granulated coal*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-8 fco loose dry red brown silty FINE SAND* *8-10 fco loose wet brown grey silty COARSE SAND*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-11 fco loose wet grey silty GRAVEL* *11-15 fco medium dense moist grey silty CLAY*

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Boring Log

Record: 655	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-08-01*
Start Time	*10:33:00*
End Date	*2017-08-01*
End Time	*10:33:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-9*
Boring Number	*Ws-aoc9-so-48*
Boring Photo	
Notes	*48-4 etph pah pcb*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*33*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-0.5 fco loose dry tan MEDIUM FINE SAND* *0.5-5 fco loose dry dark brown silty FINE SAND with little brick, coal, asphalt, and concrete*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*6*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-10 fco loose wet brown silty FINE SAND*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-11 fco loose wet grey silty GRAVEL* *11-15 fco medium dense moist grey silty CLAY*

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Boring Log

Record: 1051	
Boring Company	*Ground H20*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*10:40:00*
End Date	*2017-09-12*
End Time	*10:48:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*1*
Completion Depth	*4*
Boring Photo	
Notes	*Sample:* *1-1: 0.5-1.5' PCBs, ETPH, SVOCs, RSR-15* *1-2: 1.5-2.5' PCBs VOCs* *1-3: 2.5-3.5' PCBs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*22*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Wet brown fill with coarse to fine sand and trace gravel.*

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Boring Log

Record: 1054	
Boring Company	*Ground H20*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*10:50:00*
End Date	*2017-09-12*
End Time	*10:57:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*2*
Completion Depth	*4*
Boring Photo	
Notes	*Sample:* *2-1: 0.5-1.5' PCBs, ETPH, SVOCs, RSR-15* *2-2: 1.5-2.5' PCBs VOCs* *2-3: 2.5-3.5' PCBs*

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Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*25*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Wet brown fill with coarse to fine sand and trace gravel.*

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Boring Log

Record: 874	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*13:11:00*
End Date	*2017-09-12*
End Time	*13:38:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*7*
Completion Depth	*4*
Notes	*Sample:* *7-1: PCBs, ETPH* *7-2: PCBs* *7-3: PCBs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*22*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with coarse to fine sand and some silt. Trace gravel. Coal ash present.*

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Boring Log

Record: 865	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*13:25:00*
End Date	*2017-09-12*
End Time	*13:28:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*8*
Completion Depth	*4*

Samples	
Depth	*4*
Penetration (inches)	*48*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with coarse to fine sand, trace gravel and silt. Signs of coal ash and brick present.*

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Boring Log

Record: 871	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*13:11:00*
End Date	*2017-09-12*
End Time	*13:20:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*8*
Completion Depth	*10*
Notes	*Sample:* *8-1: PCBs RSR-15* *8-2: PCBs* *8-3: VOCs PCBs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*23*
Depth (feet)	*2.5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with coarse to fine sand and some silt. Trace gravel. Coal ash present.*

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Boring Log

Record: 880	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*13:17:00*
End Date	*2017-09-12*
End Time	*13:48:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*10*
Completion Depth	*4*
Notes	*Sample:* *10-1: PCBs, RSR-15* *10-2: PCBs* *10-3: PCBs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*22*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with coarse to fine sand and some silt. Trace gravel. Coal ash present.*

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Boring Log

Record: 877	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*13:11:00*
End Date	*2017-09-12*
End Time	*13:38:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*11*
Completion Depth	*4*
Notes	*Sample:* *11-1: PCBs, SVOCs* *11-2: PCBs* *11-3: PCBs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*30*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with coarse to fine sand and some silt. Trace gravel. Coal ash present.*

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Boring Log

Record: 883	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*13:53:00*
End Date	*2017-09-12*
End Time	*14:09:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*13*
Completion Depth	*4*
Notes	*Sample:* *13-1: PCBs* *13-2: PCBs* *13-3: PCBs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*34*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with coarse to fine sand and some silt. Trace gravel and clay. Coal ash present.*

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Boring Log

Record: 1063	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*11:49:00*
End Date	*2017-09-12*
End Time	*11:55:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*16*
Completion Depth	*4*
Notes	*Sample:* *16-1: 0.5-1' PCBs* *16-2: 1.5-2' PCBs* *16-3: 3.5-4' PCBs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*32*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist black/brown fill with coarse to fine sand and gravel. Trace silt and clay. Coal ash present.*

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Boring Log

Record: 1069	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*11:49:00*
End Date	*2017-09-12*
End Time	*12:05:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*17*
Completion Depth	*4*
Notes	*Sample:* *17-1: 0.5-1' PCBs, ETPH* *17-2: 1.5-2' PCBs SVOCs* *17-3: 3.5-4' PCBs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*27*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist black/brown fill with coarse to fine sand and gravel. Trace silt and clay. Coal ash present.*

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Boring Log

Record: 1060	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*11:38:00*
End Date	*2017-09-12*
End Time	*11:43:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*20*
Completion Depth	*4*
Notes	*Sample:* *20-1: 0.5-1' PCBs* *20-2: 1.5-2' PCBs* *20-3: 3.5-4' PCBs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*37*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist black fill with coarse to fine sand and gravel. Trace silt and clay. Coal ash present.*

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Boring Log

Record: 868	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*13:11:00*
End Date	*2017-09-12*
End Time	*13:20:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*25*
Completion Depth	*10*
Notes	*Sample:* *25-1: PCBs* *25-2: PCBs* *Concrete refusal at 2.5'*

Samples	
Depth	*4*
Penetration (inches)	*30*
Recovery (inches)	*11*
Depth (feet)	*2.5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with coarse to fine sand and some silt. Trace gravel. Coal ash present.* *Concrete refusal at 2.5'*

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Boring Log

Record: 1084	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-13*
Start Time	*10:28:00*
End Date	*2017-09-13*
End Time	*10:46:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*25*
Notes	*First attempt refusal at 2.5'. Will core through floor and attempt again. Sample intervals -1 and -2 already completed.* *-3: PCBs 8-9'*

Samples	
Depth	*12*
Penetration (inches)	*48*
Recovery (inches)	*26*
Depth (feet)	*12*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Wet black/gray fill with fine to coarse sand, some silt, trace clay. Septic odor present.*

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Boring Log

Record: 862	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*13:01:00*
End Date	*2017-09-12*
End Time	*13:10:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*30*
Completion Depth	*10*
Notes	*Sample:* *30-1: PCBs, RSR-15* *30-2: PCBs* *30-3: 8-9' PCBs, VOCs*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*34*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with coarse to fine sand and some silt. Trace gravel.*

Samples	
Depth	*8*
Penetration (inches)	*48*
Recovery (inches)	*38*
Depth (feet)	*8*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Wet black/gray fill with fine to coarse sand with some silt and trace clay. Organic present. Septic odor.*

Samples	
Depth	*12*
Penetration (inches)	*48*
Recovery (inches)	*38*
Depth (feet)	*8*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Wet black/gray fill with fine to coarse sand with some silt and trace clay. Organic present. Septic odor.*

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Boring Log

Record: 1066	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-12*
Start Time	*11:56:00*
End Date	*2017-09-12*
End Time	*12:05:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*31*
Completion Depth	*10*
Boring Photo	
Notes	*Sample:* *31-1: 0.5-1.5' PCBs, ETPH* *31-2: 1.5-2.5' PCBs SVOCs* *31-3: 8-9' PCBs, VOCs*

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Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*30*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist black/brown fill with coarse to fine sand and gravel. Trace silt and clay. Coal ash present.*

Samples	
Depth	*8*
Penetration (inches)	*48*
Recovery (inches)	*48*
Depth (feet)	*8*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Wet black/gray fill with fine to coarse sand with some silt and trace clay. Organic matter present. Slight septic odor.*

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Boring Log

Record: 1078	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-13*
Start Time	*08:42:00*
End Date	*2017-09-13*
End Time	*08:54:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*41*
Completion Depth	*4*
Notes	*Sample for PCBs* *-1: 0.5-1.5'* *-2: 1.5-2.5'* *-3: 2.5-3.5'*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*27*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with fine to coarse sand trace silt and gravel.*

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Boring Log

Record: 1075	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-13*
Start Time	*09:51:00*
End Date	*2017-09-13*
End Time	*09:59:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*42*
Completion Depth	*4*
Boring Photo	
Notes	*Sample for PCBs* *-1: 0.5-1.5'* *-2: 1.5-2.5'* *-3: 2.5-3.5'*

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Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*32*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with fine to coarse sand trace silt and gravel.*

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Boring Log

Record: 1081	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-13*
Start Time	*08:42:00*
End Date	*2017-09-13*
End Time	*08:54:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*43*
Completion Depth	*4*
Notes	*Sample for PCBs* *-1: 0.5-1.5'* *-2: 1.5-2.5'* *-3: 2.5-3.5'*

Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*23*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with fine to coarse sand trace silt and gravel.*

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Boring Log

Record: 1072	
Boring Company	*Ground H2O*
Foreman	*Timothy Schiavone*
W&S Representative	*Tim Schiavone*
Start Date	*2017-09-13*
Start Time	*08:42:00*
End Date	*2017-09-13*
End Time	*08:54:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-10*
Boring Number	*45*
Completion Depth	*4*
Boring Photo	
Notes	*Sample for PCBs* *-1: 0.5-1.5'* *-2: 1.5-2.5'* *-3: 2.5-3.5'*

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Samples	
Depth	*4*
Penetration (inches)	*48*
Recovery (inches)	*25*
Depth (feet)	*4*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*Moist brown fill with fine to coarse sand trace silt and gravel.*

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Boring Log

Record: 433	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*10:51:00*
End Date	*2017-07-26*
End Time	*10:51:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-1*
Boring Photo	
Notes	*1-1b for metals*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*30*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco concrete and asphalt* *1-2 fco loose dry grey MEDIUM COARSE SAND* *2-3 fco concrete* *3-5 loose dry brown MEDIUM FINE SAND with little brick and coal*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0.1*
Sample Description & Classification (Modified Burmister)	*5-7 loose wet brown MEDIUM FINE SAND* *7-10 loose wet black FINE SAND with some gravel*

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Boring Log

Record: 436	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*11:11:00*
End Date	*2017-07-26*
End Time	*11:11:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-2*
Boring Photo	
Notes	*2-1b svoc*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*27*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco concrete* *1-5 loose dry brown MEDIUM FINE SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0.1*
Sample Description & Classification (Modified Burmister)	*5-6 fco loose moist brown MEDIUM FINE SAND* *6-7.5 fco loose wet orange brown MEDIUM SAND with little plywood at 7.25-7.5* *7-10 fco loose wet black FINE SAND with some gravel*

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Boring Log

Record: 439	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*11:19:00*
End Date	*2017-07-26*
End Time	*11:19:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-3*
Boring Photo	
Notes	

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*9*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco concrete* *1-3 loose dry brown MEDIUM FINE SAND* *3-5 loose moist dark brown silty MEDIUM FINE SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*30*
Depth (feet)	*5*
PID (ppmv)	*0.1*
Sample Description & Classification (Modified Burmister)	*5-10 fco loose wet black FINE SAND with some gravel*

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Boring Log

Record: 430	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*10:46:00*
End Date	*2017-07-26*
End Time	*10:46:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-4*
Boring Photo	
Notes	*Dup -26 from 4-1 for pcbs*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*27*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco concrete and asphalt* *1-5 loose dry brown MEDIUM FINE SAND with little brick and coal*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*24*
Depth (feet)	*5*
PID (ppmv)	*0.1*
Sample Description & Classification (Modified Burmister)	*5-7.5 loose wet brown MEDIUM FINE SAND* *7.5-10 loose wet black FINE SAND with some gravel*

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Boring Log

Record: 427	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*10:21:00*
End Date	*2017-07-26*
End Time	*10:21:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-5*
Boring Photo	
Notes	*Sample 5-3 taken from 8-8.5 ft bgs due to petroleum-like odor* *Ms/ms don 5-1a for pcbs* *5-1b for metals*

Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*45*
Depth (feet)	*5*
Sample Description & Classification (Modified Burmister)	*0-1 fco concrete and asphalt* *1-4.5 loose dry brown MEDIUM FINE SAND with little brick and coal* *4.5-5 fco loose wet brown MEDIUM FINE SAND*

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Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*45*
Depth (feet)	*5*
PID (ppmv)	*0.5*
Sample Description & Classification (Modified Burmister)	*5-7.5 loose wet brown MEDIUM FINE SAND with little brick* *7.5-10 loose wet black FINE SAND*

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Boring Log

Record: 442	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*11:41:00*
End Date	*2017-07-26*
End Time	*11:41:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-6*
Boring Photo	
Notes	*6-1a -> dup-27* *6-1b metals*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*39*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco concrete* *1-3 loose dry brown MEDIUM COARSE SAND* *3-5 loose moist dark brown silty MEDIUM FINE SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-8 fco loose wet brown silty FINE SAND* *8-10 fco loose wet black FINE SAND with some gravel*

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Boring Log

Record: 445	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*11:49:00*
End Date	*2017-07-26*
End Time	*11:49:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-7*
Boring Photo	
Notes	*7-1 pcbs ms/msd* *7-3 pcbs and vocs*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*39*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco concrete* *1-3 loose dry brown MEDIUM SAND* *3-5 loose moist dark brown silty MEDIUM FINE SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*54*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-7.5 fco loose wet brown silty FINE SAND with some yellow coarse sand at 6.25-6.5* *8-10 fco loose wet black FINE SAND with some gravel*

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Boring Log

Record: 517	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-26*
Start Time	*09:50:00*
End Date	*2017-07-26*
End Time	*10:06:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*8*
Completion Depth	*9.5*
Boring Photo	
Notes	*Solid refusal 9.5*

Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*48*
Sample Description & Classification (Modified Burmister)	*0-0.5 asphalt; fill consisting of medium, 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5*
Notes	*0.5-1.0 pcbs; 2-2.5 pcbs*

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Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*58*
PID (ppmv)	*17*
Sample Description & Classification (Modified Burmister)	*5-7.5 fill consisting of damp, brown SAND and gravel; 7.5-10 fill consisting of medium, dark brown SAND with slight odor and pid;*
Notes	*7-7.5pcbs; 8-9 vocs, rsr 15*

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Boring Log

Record: 511	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-26*
Start Time	*09:50:00*
End Date	*2017-07-26*
End Time	*10:06:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*9*
Completion Depth	*9.5*
Boring Photo	
Notes	*Solid refusal 9.5*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*48*
Sample Description & Classification (Modified Burmister)	*0-0.5 asphalt; fill consisting of medium, 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5*
Notes	*5-7 pcbs; 7-8 pcbs; 8-8.5'pcbs; 8.5-9.5 svocs*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*38*
PID (ppmv)	*15*
Sample Description & Classification (Modified Burmister)	*5-7 fill consisting of damp, brown SAND and gravel; 7-9.5 fill consisting of medium, brown SAND and gravel. Fuel odor 8-9.5*
Notes	*See 0-5*

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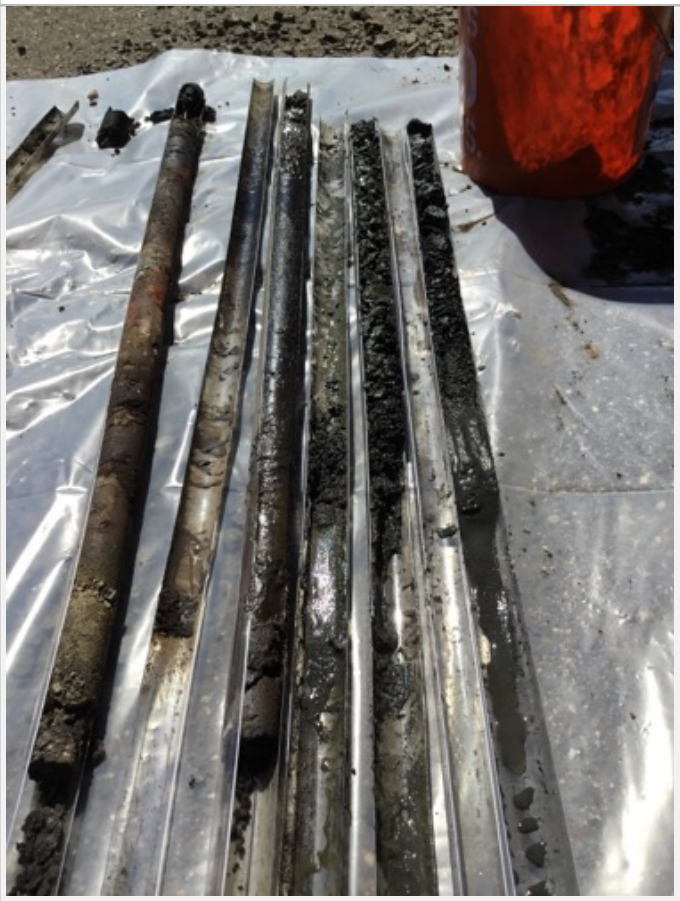
Boring Log

Record: 514	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-26*
Start Time	*10:05:00*
End Date	*2017-07-26*
End Time	*11:01:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*10*
Completion Depth	*20*
Boring Photo	
Notes	

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*48*
Sample Description & Classification (Modified Burmister)	*0-0.5 asphalt; 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5*
Notes	

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*49*
PID (ppmv)	*15*
Sample Description & Classification (Modified Burmister)	*5-9.5 fill consisting of wet, dark brown fine SAND; 9.5-10 fill consisting of medium, brown GRAVEL, pea stone type. Fuel odor 8-9.5*
Notes	*5-5.5 pcbs; 7-7.5 pcbs; 7.5-8 pcbs; 8-9 vocs plus splp*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*15*
Sample Description & Classification (Modified Burmister)	*10-15 fill consisting of wet, dark brown, medium to coarse GRAVEL pea stone type. Fuel odor*
Notes	

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*15*
Sample Description & Classification (Modified Burmister)	*15-20 fill consisting of wet, dark brown, medium to coarse GRAVEL pea stone type. Fuel odor*
Notes	

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Boring Log

Record: 520	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-26*
Start Time	*10:05:00*
End Date	*2017-07-26*
End Time	*11:01:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*11*
Completion Depth	*20*
Boring Photo	
Notes	

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*42*
Sample Description & Classification (Modified Burmister)	*0-0.5 asphalt; 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5*
Notes	

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*7.5*
Sample Description & Classification (Modified Burmister)	*5-10 fill consisting of wet, medium, brown SAND and gravel. Little staining and fuel odor at 8-9*
Notes	*5-5.5 pcbs; 7-7.5 pcbs; 8-9 etph, vocs*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-15 fill consisting of wet, dark brown, medium to coarse SAND and gravel.*
Notes	

Samples	
Depth	*20*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*15-16.5 fill consisting of wet, dark brown, medium to coarse SAND and gravel; 16.5-20 fill consisting of damp, fine, grey CLAY, little sand*
Notes	*15-15.5 pcbs*

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Boring Log

Record: 529	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-26*
Start Time	*03:00:00*
End Date	*2017-07-26*
End Time	*15:23:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*12*
Completion Depth	*20*
Boring Photo	
Notes	

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*40*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-0.5 asphalt; 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5*
Notes	*Sample 3.5-4 pcbs, 4.5-5 pcbs*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*0*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*No recovery, washout in 3 offsets*
Notes	

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*0*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*No recovery, washout at 3 different locations*
Notes	

Samples	
Depth	*20*
Penetration (inches)	*60*
Recovery (inches)	*38*
PID (ppmv)	*1*
Sample Description & Classification (Modified Burmister)	*15-17 fill consisting of wet, dark brown, medium to coarse SAND and gravel; 17-20 fill consisting of fine to medium, wet grey CLAY.*
Notes	*15-15.5 pcbs, 15.5-16 etph*

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Boring Log

Record: 523	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-26*
Start Time	*02:05:00*
End Date	*2017-07-26*
End Time	*14:31:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*13*
Completion Depth	*20*
Boring Photo	
Notes	

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*42*
Sample Description & Classification (Modified Burmister)	*0-0.5 asphalt; 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5*
Notes	

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*46*
PID (ppmv)	*7.5*
Sample Description & Classification (Modified Burmister)	*5-10 fill consisting of wet, medium, brown SAND and gravel.*
Notes	*5-5.5 pcbs; 7-7.5 pcbs; 8-9 etph*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-15 fill consisting of wet, dark brown, medium to coarse SAND and gravel.*
Notes	

Samples	
Depth	*20*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*15-18.5 fill consisting of wet, dark brown, medium to coarse SAND and gravel; 18.5-20 fill consisting of damp, fine, grey CLAY, little sand*
Notes	*15-15.5 pcbs*

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Boring Log

Record: 526	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-26*
Start Time	*02:33:00*
End Date	*2017-07-26*
End Time	*14:59:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*14*
Completion Depth	*20*
Boring Photo	
Notes	

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*48*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-0.5 asphalt; 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5*
Notes	

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-10 fill consisting of wet, medium, brown SAND and gravel.*
Notes	*5-5.5 pcbs; 7-7.5 pcbs;*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-15 fill consisting of saturated, dark brown, medium to coarse SAND and gravel.*
Notes	

Samples	
Depth	*20*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*1*
Sample Description & Classification (Modified Burmister)	*15-20 fill consisting of wet, dark brown, medium to coarse SAND and gravel;*
Notes	*15-15.5 pcbs, 15.5-16 etph*

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Boring Log

Record: 457	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*15:18:00*
End Date	*2017-07-26*
End Time	*15:18:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-15*
Boring Photo	
Notes	*15-3 pcb ms/msd*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*33*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco concrete and asphalt* *1-4.5 fco loose dry red brown FINE SAND* *4.5-5 fco loose wet brown FINE SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-10 fco medium dense wet dark grey SILT*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-15 fco loose wet dark grey SILT with little seashells*

Samples	
Depth	*20*
Penetration (inches)	*60*
Recovery (inches)	*52*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*15-20 fco medium dense wet dark grey CLAY with little seashells*

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Boring Log

Record: 454	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*15:02:00*
End Date	*2017-07-26*
End Time	*15:02:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-16*
Boring Photo	
Notes	*17-2 metals pcb* *Very minimal recovery 10-15, moved 17-2 to 15-16*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*27*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1.5 fco concrete and asphalt* *1.5-5 fco medium dense dry brown fine sandy SILT*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*30*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-6.5 fco loose wet red brown MEDIUM FINE SAND with some gravel* *6.5-10 fco loose wet dark grey gravelly SILT*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*4*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-15 fco loose wet dark grey gravelly SILT*

Samples	
Depth	*20*
Penetration (inches)	*60*
Recovery (inches)	*45*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*15-20 fco medium dense wet dark grey CLAY with little seashells*

powered by ZerionSoftware

Boring Log

Record: 451	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*14:03:00*
End Date	*2017-07-26*
End Time	*14:03:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-17*
Boring Photo	
Notes	*17-1 pah pcb* *Very minimal recovery 15-20*

powered by ZerionSoftware

Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*30*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1.5 fco loose dry red brown MEDIUM FINE SAND* *1.5-5 fco loose dry brown MEDIUM SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-7.5 fco loose wet red brown MEDIUM FINE SAND with some gravel* *7.5-10 fco medium dense wet dark grey SILT*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-15 fco medium dense wet dark grey SILT with some gravel 14-14.5*

Samples	
Depth	*20*
Penetration (inches)	*60*
Recovery (inches)	*3*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*15-20 fco medium dense wet dark grey brown silty MEDIUM FINE SAND*

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Boring Log

Record: 448	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-26*
Start Time	*13:43:00*
End Date	*2017-07-26*
End Time	*13:43:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-18*
Boring Photo	

Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-3 fco loose dry red brown MEDIUM SAND* *3-5 fco loose dry red brown MEDIUM FINE SAND*

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Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*45*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-9 fco loose wet red brown MEDIUM FINE SAND with little clay layers* *9-10 fco medium dense wet dark grey SILT*

Samples	
Depth	*15*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*10-12 fco medium dense wet dark grey SILT* *12-14 fco loose wet dark grey silty GRAVEL* *14-14.5 fco concrete* *14.5-15 fco medium dense wet dark grey sandy SILT*

Samples	
Depth	*20*
Penetration (inches)	*60*
Recovery (inches)	*51*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*15-18 fco medium dense wet dark grey brown SILT* *18-20 fco medium dense wet black fine sandy SILT*

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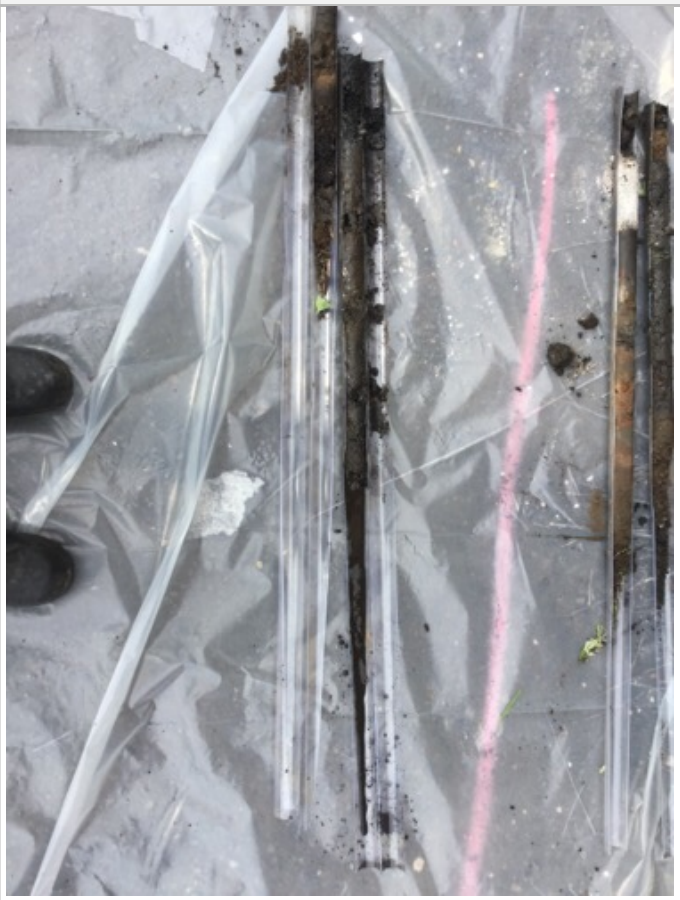
Boring Log

Record: 460	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-27*
Start Time	*09:01:00*
End Date	*2017-07-27*
End Time	*09:01:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-19*
Boring Photo	
Notes	*19-4b metals* *1 to 4 pcbs*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*12*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 fco loose dry brown MEDIUM SAND* *1-5 fco loose dry brown MEDIUM FINE SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*33*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-9 fco loose wet brown sandy GRAVEL* *9-10 fco loose wet black sandy GRAVEL*

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Boring Log

Record: 532	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-27*
Start Time	*08:57:00*
End Date	*2017-07-27*
End Time	*09:01:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*20*
Completion Depth	*10*
Boring Photo	
Notes	

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*45*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-0.5 medium, brown SAND and silt; 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5, little concrete at 4-4.5*
Notes	*Sample 0-0.5 pcbs, 0.5-1.0 pcbs, 1.5-2.0 pcbs*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*44*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-10 fill consisting of medium, wet, brown SAND and gravel*
Notes	*5-5.5 pcbs, 5.5-6 etph*

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Boring Log

Record: 463	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-27*
Start Time	*09:22:00*
End Date	*2017-07-27*
End Time	*09:22:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-21*
Boring Photo	
Notes	*1-3 pcbs* *1b pah*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*45*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-0.25 asphalt* *0.25-4 fco loose dry red brown stony MEDIUM SAND with little brick* *4-5 fco loose wet brown gravelly MEDIUM SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*27*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-6 medium dense wet brown MEDIUM SAND with some concrete* *6-10 loose wet brown medium sandy SILT*

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Boring Log

Record: 466	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-27*
Start Time	*09:27:00*
End Date	*2017-07-27*
End Time	*09:27:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-22*
Boring Photo	
Notes	*1-3 pcbs* *1 is dup -28*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*33*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-1 asphalt* *1-5 fco loose dry red brown stony MEDIUM SAND with large stone at 4-4.5*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*42*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-8 fco loose wet red brown medium sandy SILT* *8-10 fco loose wet brown silty MEDIUM SAND*

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Boring Log

Record: 469	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Chris Berthiaume*
Start Date	*2017-07-27*
Start Time	*09:49:00*
End Date	*2017-07-27*
End Time	*09:49:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*Ws-aoc13-so-23*
Boring Photo	
Notes	*1-3 pcbs* *1b metals* *3 ms/msd*

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*27*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-0.5 asphalt* *0.5-5 fco loose dry red brown stony MEDIUM SAND*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*36*
Depth (feet)	*5*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*5-8 fco loose wet red brown silty MEDIUM* *8-10 fco loose wet brown stony MEDIUM SAND*

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Boring Log

Record: 538	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-27*
Start Time	*09:06:00*
End Date	*2017-07-27*
End Time	*09:20:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*24*
Completion Depth	*10*
Boring Photo	
Notes	

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*48*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-0.5 medium, brown SAND and silt; 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5, little concrete at 4-4.5*
Notes	*Sample 0-0.5 pcbs, 0.5-1.0 pcbs, 1.5-2.0 pcbs*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*44*
PID (ppmv)	*1*
Sample Description & Classification (Modified Burmister)	*5-8.5 fill consisting of medium to fine, wet, brown SAND and gravel, fuel oil odor at 8-8.5; 8.5-10 fill consisting of dark brown, coarse GRAVEL and medium sand. Slight fuel oil odor and staining*
Notes	*7.5-8 pcbs, 8-9 pah*

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Boring Log

Record: 535	
Boring Company	*Technical Drilling Services, Inc.*
Foreman	*Timothy Schiavone*
W&S Representative	*Will Sirotnak*
Start Date	*2017-07-27*
Start Time	*08:57:00*
End Date	*2017-07-27*
End Time	*09:08:00*
Project Name	*UI-English Station*
Project Number	*2170495*
AOC Number	*AOC-13*
Boring Number	*25*
Completion Depth	*10*
Boring Photo	
Notes	

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Samples	
Depth	*5*
Penetration (inches)	*60*
Recovery (inches)	*45*
PID (ppmv)	*0*
Sample Description & Classification (Modified Burmister)	*0-0.5 medium, brown SAND and silt; 0.5- 5.0 fill consisting of medium, brown SAND and Gravel. Damp at 4.5, little concrete at 4-4.5*
Notes	*Sample 0-0.5 pcbs, 0.5-1.0 pcbs, 1.5-2.0 pcbs*

Samples	
Depth	*10*
Penetration (inches)	*60*
Recovery (inches)	*50*
PID (ppmv)	*4.5*
Sample Description & Classification (Modified Burmister)	*5-8.5 fill consisting of medium to fine, wet, brown SAND and gravel, fuel oil odor at 8-8.5; 8.5-10 fill consisting of dark brown, coarse GRAVEL and medium sand. Slight fuel oil odor*
Notes	*7.5-8 pcbs, 8-9 etph*

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APPENDIX C

Analytical Data Reports (electronic)

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 23, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0058

Enclosed are results of analyses for samples received by the laboratory on August 1, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/23/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0058

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC9-SO-31-1	17H0058-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-31-2	17H0058-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-30-1	17H0058-03	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-30-2	17H0058-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-30-3A	17H0058-05	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-30-3B	17H0058-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC3-SO-1-1	17H0058-07	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC3-SO-1-2	17H0058-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SO-1-3	17H0058-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SO-2-1	17H0058-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC3-SO-2-2	17H0058-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/23/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0058

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC3-SO-2-3	17H0058-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SO-2-4	17H0058-13	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC9-SO-48-1	17H0058-14	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-48-2	17H0058-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-48-3	17H0058-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-48-4A	17H0058-17	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-48-4B	17H0058-18	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC9-SO-47-1	17H0058-19	Soil		SM 2540G	
				SW-846 8082A	

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CTDEP ETPH

Qualifications:

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

CT ETPH

17H0058-11[WS-AOC3-SO-2-2], B183688-MS2, B183688-MSD2

SW-846 6010C-D

Qualifications:

B

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Zinc

17H0058-08[WS-AOC3-SO-1-2], 17H0058-09[WS-AOC3-SO-1-3], 17H0058-11[WS-AOC3-SO-2-2], 17H0058-12[WS-AOC3-SO-2-3], 17H0058-13[WS-AOC3-SO-2-4], B183630-BLK1, B183630-BS1, B183630-BSD1, B183630-DUP1, B183630-MS1, B183630-MSD1

B-07

Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Zinc

17H0058-08[WS-AOC3-SO-1-2], 17H0058-09[WS-AOC3-SO-1-3], 17H0058-11[WS-AOC3-SO-2-2], 17H0058-12[WS-AOC3-SO-2-3], 17H0058-13[WS-AOC3-SO-2-4], B183630-DUP1

L-10

The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be bias on the high side.

Analyte & Samples(s) Qualified:

Lead

17H0058-08[WS-AOC3-SO-1-2], 17H0058-09[WS-AOC3-SO-1-3], 17H0058-11[WS-AOC3-SO-2-2], 17H0058-12[WS-AOC3-SO-2-3], 17H0058-13[WS-AOC3-SO-2-4], B183630-DUP1, B183630-MRL1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Antimony

17H0058-11[WS-AOC3-SO-2-2], B183630-MS1, B183630-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Copper

B183630-MS1

Selenium

B183630-MS1

MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Lead

17H0058-11[WS-AOC3-SO-2-2], B183630-MSD1

SW-846 8082A

Qualifications:

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S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
17H0058-01[WS-AOC9-SO-31-1], 17H0058-02[WS-AOC9-SO-31-2], 17H0058-14[WS-AOC9-SO-48-1], 17H0058-15[WS-AOC9-SO-48-2]

Decachlorobiphenyl [2C]
17H0058-01[WS-AOC9-SO-31-1], 17H0058-02[WS-AOC9-SO-31-2], 17H0058-14[WS-AOC9-SO-48-1], 17H0058-15[WS-AOC9-SO-48-2]

Tetrachloro-m-xylene
17H0058-01[WS-AOC9-SO-31-1], 17H0058-02[WS-AOC9-SO-31-2], 17H0058-14[WS-AOC9-SO-48-1], 17H0058-15[WS-AOC9-SO-48-2]

Tetrachloro-m-xylene [2C]
17H0058-01[WS-AOC9-SO-31-1], 17H0058-02[WS-AOC9-SO-31-2], 17H0058-14[WS-AOC9-SO-48-1], 17H0058-15[WS-AOC9-SO-48-2]

SW-846 8260C

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 1
17H0058-09[WS-AOC3-SO-1-3], B183325-MS1, B183325-MSD1

Naphthalene
17H0058-09[WS-AOC3-SO-1-3], B183325-MS1, B183325-MSD1

Tetrahydrofuran
17H0058-09[WS-AOC3-SO-1-3], B183325-MS1, B183325-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene
B183325-MSD1

1,2,4-Trichlorobenzene
B183325-MSD1

SW-846 8270D

Qualifications:

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Aniline
17H0058-11[WS-AOC3-SO-2-2], B183687-MS2, B183687-MSD2

Hexachlorocyclopentadiene
17H0058-11[WS-AOC3-SO-2-2], B183687-MS2, B183687-MSD2

Pyridine
17H0058-09[WS-AOC3-SO-1-3], 17H0058-11[WS-AOC3-SO-2-2], B183687-MS1, B183687-MS2, B183687-MSD1, B183687-MSD2

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Aniline
B183687-MS1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17H0058-06[WS-AOC9-SO-30-3B]

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V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

17H0058-08[WS-AOC3-SO-1-2], 17H0058-09[WS-AOC3-SO-1-3], 17H0058-11[WS-AOC3-SO-2-2], 17H0058-12[WS-AOC3-SO-2-3], 17H0058-13[WS-AOC3-SO-2-4], B183687-BLK1, B183687-BS1, B183687-BSD1, B183687-MS1, B183687-MS2, B183687-MSD1, B183687-MSD2

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-31-1 Sampled: 8/1/2017 09:50

Sample ID: 17H0058-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	8/14/17	8/23/17 9:52	TG
Aroclor-1221 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	8/14/17	8/23/17 9:52	TG
Aroclor-1232 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	8/14/17	8/23/17 9:52	TG
Aroclor-1242 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	8/14/17	8/23/17 9:52	TG
Aroclor-1248 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	8/14/17	8/23/17 9:52	TG
Aroclor-1254 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	8/14/17	8/23/17 9:52	TG
Aroclor-1260 [1]	5.2	0.85	mg/Kg dry	40		SW-846 8082A	8/14/17	8/23/17 9:52	TG
Aroclor-1262 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	8/14/17	8/23/17 9:52	TG
Aroclor-1268 [1]	ND	0.85	mg/Kg dry	40		SW-846 8082A	8/14/17	8/23/17 9:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/23/17 9:52
Decachlorobiphenyl [2]	*	30-150	S-01	8/23/17 9:52
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/23/17 9:52
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/23/17 9:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-31-1 Sampled: 8/1/2017 09:50

Sample ID: 17H0058-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-31-2 Sampled: 8/1/2017 09:51

Sample ID: 17H0058-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/14/17	8/23/17 10:05	TG
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/14/17	8/23/17 10:05	TG
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/14/17	8/23/17 10:05	TG
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/14/17	8/23/17 10:05	TG
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/14/17	8/23/17 10:05	TG
Aroclor-1254 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/14/17	8/23/17 10:05	TG
Aroclor-1260 [1]	18	2.1	mg/Kg dry	100		SW-846 8082A	8/14/17	8/23/17 10:05	TG
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/14/17	8/23/17 10:05	TG
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	8/14/17	8/23/17 10:05	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/23/17 10:05
Decachlorobiphenyl [2]	*	30-150	S-01	8/23/17 10:05
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/23/17 10:05
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/23/17 10:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-31-2 Sampled: 8/1/2017 09:51

Sample ID: 17H0058-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.3		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-30-1 Sampled: 8/1/2017 09:40

Sample ID: 17H0058-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 3:59	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 3:59	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 3:59	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 3:59	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 3:59	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 3:59	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 3:59	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 3:59	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 3:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	62.8	30-150		8/23/17 3:59
Decachlorobiphenyl [2]	75.7	30-150		8/23/17 3:59
Tetrachloro-m-xylene [1]	84.4	30-150		8/23/17 3:59
Tetrachloro-m-xylene [2]	95.8	30-150		8/23/17 3:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-30-1 Sampled: 8/1/2017 09:40

Sample ID: 17H0058-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.6		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-30-2 Sampled: 8/1/2017 09:42

Sample ID: 17H0058-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:11	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:11	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:11	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:11	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:11	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:11	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:11	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:11	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:11	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	57.6	30-150		8/23/17 4:11
Decachlorobiphenyl [2]	68.9	30-150		8/23/17 4:11
Tetrachloro-m-xylene [1]	78.8	30-150		8/23/17 4:11
Tetrachloro-m-xylene [2]	86.9	30-150		8/23/17 4:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-30-2 Sampled: 8/1/2017 09:42

Sample ID: 17H0058-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-30-3A Sampled: 8/1/2017 09:44

Sample ID: 17H0058-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:24	TG
Aroclor-1221 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:24	TG
Aroclor-1232 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:24	TG
Aroclor-1242 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:24	TG
Aroclor-1248 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:24	TG
Aroclor-1254 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:24	TG
Aroclor-1260 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:24	TG
Aroclor-1262 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:24	TG
Aroclor-1268 [1]	ND	0.31	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.9	30-150		8/23/17 4:24
Decachlorobiphenyl [2]	81.5	30-150		8/23/17 4:24
Tetrachloro-m-xylene [1]	84.8	30-150		8/23/17 4:24
Tetrachloro-m-xylene [2]	92.4	30-150		8/23/17 4:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-30-3A Sampled: 8/1/2017 09:44

Sample ID: 17H0058-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	64.0		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-30-3B Sampled: 8/1/2017 09:46

Sample ID: 17H0058-06

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Acenaphthylene	ND	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Anthracene	3.9	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Benzo(a)anthracene	9.1	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Benzo(a)pyrene	8.1	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Benzo(b)fluoranthene	8.3	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Benzo(g,h,i)perylene	4.2	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Benzo(k)fluoranthene	3.5	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Chrysene	7.5	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Dibenz(a,h)anthracene	ND	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Fluoranthene	21	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Fluorene	ND	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Indeno(1,2,3-cd)pyrene	4.1	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
2-Methylnaphthalene	ND	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Naphthalene	ND	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Phenanthrene	13	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL
Pyrene	18	1.4	mg/Kg dry	5		SW-846 8270D	8/9/17	8/14/17 16:21	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	61.9	30-130		8/14/17 16:21
2-Fluorobiphenyl	61.2	30-130		8/14/17 16:21
p-Terphenyl-d14	69.4	30-130		8/14/17 16:21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-30-3B Sampled: 8/1/2017 09:46

Sample ID: 17H0058-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	380	85	mg/Kg dry	5		CTDEP ETPH	8/9/17	8/10/17 11:36	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	51.3	50-150		8/10/17 11:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-30-3B Sampled: 8/1/2017 09:46

Sample ID: 17H0058-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	58.7		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-1 Sampled: 8/1/2017 10:04

Sample ID: 17H0058-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:37	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:37	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:37	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:37	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:37	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:37	TG
Aroclor-1260 [2]	0.36	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:37	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:37	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.4	30-150		8/23/17 4:37
Decachlorobiphenyl [2]	78.4	30-150		8/23/17 4:37
Tetrachloro-m-xylene [1]	88.3	30-150		8/23/17 4:37
Tetrachloro-m-xylene [2]	98.1	30-150		8/23/17 4:37

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-1 Sampled: 8/1/2017 10:04

Sample ID: 17H0058-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.1		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-2 Sampled: 8/1/2017 10:05

Sample ID: 17H0058-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Acrylonitrile	ND	0.0051	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Bromomethane	ND	0.0084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
2-Butanone (MEK)	ND	0.034	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Carbon Disulfide	ND	0.0051	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Chlorodibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Chloroform	ND	0.0034	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Chloromethane	ND	0.0084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0034	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,2-Dibromoethane (EDB)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
trans-1,4-Dichloro-2-butene	ND	0.0034	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,1-Dichloroethylene	ND	0.0034	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,3-Dichloropropane	ND	0.00084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
2,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
cis-1,3-Dichloropropene	ND	0.00084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
trans-1,3-Dichloropropene	ND	0.00084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-2 Sampled: 8/1/2017 10:05

Sample ID: 17H0058-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0034	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Naphthalene	ND	0.0034	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.00084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Tetrahydrofuran	ND	0.0084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
Vinyl Chloride	ND	0.0084	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
m+p Xylene	ND	0.0034	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:37	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/4/17 8:37
Toluene-d8	91.3	70-130		8/4/17 8:37
4-Bromofluorobenzene	90.6	70-130		8/4/17 8:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-2 Sampled: 8/1/2017 10:05

Sample ID: 17H0058-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
4-Chloroaniline	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
4-Chloro-3-methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-2 Sampled: 8/1/2017 10:05

Sample ID: 17H0058-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1	V-16	SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 10:44	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.7	30-130		8/10/17 10:44
Phenol-d6	56.9	30-130		8/10/17 10:44
Nitrobenzene-d5	68.4	30-130		8/10/17 10:44
2-Fluorobiphenyl	70.1	30-130		8/10/17 10:44
2,4,6-Tribromophenol	72.8	30-130		8/10/17 10:44
p-Terphenyl-d14	78.1	30-130		8/10/17 10:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-2 Sampled: 8/1/2017 10:05

Sample ID: 17H0058-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:49	TG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:49	TG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:49	TG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:49	TG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:49	TG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:49	TG
Aroclor-1260 [2]	0.15	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:49	TG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:49	TG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 4:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	67.9	30-150		8/23/17 4:49
Decachlorobiphenyl [2]	78.7	30-150		8/23/17 4:49
Tetrachloro-m-xylene [1]	85.6	30-150		8/23/17 4:49
Tetrachloro-m-xylene [2]	97.3	30-150		8/23/17 4:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-2 Sampled: 8/1/2017 10:05

Sample ID: 17H0058-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	120	59	mg/Kg dry	5		CTDEP ETPH	8/9/17	8/10/17 11:54	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	67.4	50-150		8/10/17 11:54

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-2 Sampled: 8/1/2017 10:05

Sample ID: 17H0058-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Arsenic	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Barium	45	2.9	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Cadmium	0.29	0.29	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Chromium	13	0.57	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Copper	69	0.57	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Lead	15	0.86	mg/Kg dry	1	L-10	SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	8/8/17	8/10/17 11:10	SCB
Nickel	15	0.57	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Vanadium	34	1.1	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW
Zinc	150	1.1	mg/Kg dry	1	B-07, B	SW-846 6010C-D	8/8/17	8/9/17 15:52	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-2 Sampled: 8/1/2017 10:05

Sample ID: 17H0058-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.3		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-3 Sampled: 8/1/2017 10:10

Sample ID: 17H0058-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Acrylonitrile	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Bromoform	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Bromomethane	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
2-Butanone (MEK)	ND	0.024	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
n-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Carbon Disulfide	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Carbon Tetrachloride	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Chloroform	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Chloromethane	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
trans-1,4-Dichloro-2-butene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1	MS-07A	SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,1-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,3-Dichloropropane	ND	0.00059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
2,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
cis-1,3-Dichloropropene	ND	0.00059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
trans-1,3-Dichloropropene	ND	0.00059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Hexachlorobutadiene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Isopropylbenzene (Cumene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-3 Sampled: 8/1/2017 10:10

Sample ID: 17H0058-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Naphthalene	ND	0.0024	mg/Kg dry	1	MS-07A	SW-846 8260C	8/4/17	8/4/17 8:11	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.00059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Tetrachloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Tetrahydrofuran	ND	0.0059	mg/Kg dry	1	MS-07A	SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,2,3-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,2,4-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Trichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
Vinyl Chloride	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
m+p Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 8:11	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.0	70-130		8/4/17 8:11
Toluene-d8	90.6	70-130		8/4/17 8:11
4-Bromofluorobenzene	94.4	70-130		8/4/17 8:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-3 Sampled: 8/1/2017 10:10

Sample ID: 17H0058-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Di-n-octylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-3 Sampled: 8/1/2017 10:10

Sample ID: 17H0058-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
Pyridine	ND	0.37	mg/Kg dry	1	MS-09	SW-846 8270D	8/9/17	8/10/17 11:07	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:07	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	69.3	30-130		8/10/17 11:07
Phenol-d6	65.5	30-130		8/10/17 11:07
Nitrobenzene-d5	76.5	30-130		8/10/17 11:07
2-Fluorobiphenyl	82.1	30-130		8/10/17 11:07
2,4,6-Tribromophenol	85.6	30-130		8/10/17 11:07
p-Terphenyl-d14	92.7	30-130		8/10/17 11:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-3 Sampled: 8/1/2017 10:10

Sample ID: 17H0058-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:40	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:40	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:40	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:40	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:40	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:40	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:40	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:40	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:40	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.1	30-150		8/23/17 5:40
Decachlorobiphenyl [2]	83.3	30-150		8/23/17 5:40
Tetrachloro-m-xylene [1]	90.1	30-150		8/23/17 5:40
Tetrachloro-m-xylene [2]	98.2	30-150		8/23/17 5:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-3 Sampled: 8/1/2017 10:10

Sample ID: 17H0058-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	14	11	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 8:02	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	53.6	50-150		8/10/17 8:02

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-3 Sampled: 8/1/2017 10:10

Sample ID: 17H0058-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Arsenic	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Barium	48	2.6	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Beryllium	ND	0.26	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Cadmium	ND	0.26	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Chromium	16	0.53	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Copper	110	0.53	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Lead	8.9	0.79	mg/Kg dry	1	L-10	SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Mercury	0.030	0.027	mg/Kg dry	1		SW-846 7471B	8/8/17	8/10/17 11:12	SCB
Nickel	20	0.53	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Vanadium	48	1.1	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW
Zinc	54	1.1	mg/Kg dry	1	B-07, B	SW-846 6010C-D	8/8/17	8/9/17 15:56	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-1-3 Sampled: 8/1/2017 10:10

Sample ID: 17H0058-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.2		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-1 Sampled: 8/1/2017 10:26

Sample ID: 17H0058-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:52	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:52	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:52	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:52	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:52	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:52	TG
Aroclor-1260 [2]	0.24	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:52	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:52	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 5:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.4	30-150		8/23/17 5:52
Decachlorobiphenyl [2]	87.8	30-150		8/23/17 5:52
Tetrachloro-m-xylene [1]	94.5	30-150		8/23/17 5:52
Tetrachloro-m-xylene [2]	104	30-150		8/23/17 5:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-1 Sampled: 8/1/2017 10:26

Sample ID: 17H0058-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.5		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-2 Sampled: 8/1/2017 10:30

Sample ID: 17H0058-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Acrylonitrile	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Bromomethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Carbon Disulfide	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Chlorodibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Chloromethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,1-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,3-Dichloropropane	ND	0.00072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
cis-1,3-Dichloropropene	ND	0.00072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
trans-1,3-Dichloropropene	ND	0.00072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-2 Sampled: 8/1/2017 10:30

Sample ID: 17H0058-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.00072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Tetrahydrofuran	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
Vinyl Chloride	ND	0.0072	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.8	70-130		8/4/17 10:21
Toluene-d8	91.7	70-130		8/4/17 10:21
4-Bromofluorobenzene	91.2	70-130		8/4/17 10:21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-2 Sampled: 8/1/2017 10:30

Sample ID: 17H0058-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Aniline	ND	0.36	mg/Kg dry	1	MS-09	SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Benzo(b)fluoranthene	0.22	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
4-Chloroaniline	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
4-Chloro-3-methylphenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
4-Chlorophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Chrysene	0.18	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2,4-Dinitrophenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Fluoranthene	0.28	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Hexachlorocyclopentadiene	ND	0.36	mg/Kg dry	1	MS-09	SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-2 Sampled: 8/1/2017 10:30

Sample ID: 17H0058-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
3-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
4-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
4-Nitrophenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
N-Nitrosodiphenylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
N-Nitrosodi-n-propylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Pentachloronitrobenzene	ND	0.36	mg/Kg dry	1	V-16	SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Pyrene	0.31	0.18	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
Pyridine	ND	0.36	mg/Kg dry	1	MS-09	SW-846 8270D	8/9/17	8/10/17 11:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	72.1	30-130		8/10/17 11:30
Phenol-d6	70.2	30-130		8/10/17 11:30
Nitrobenzene-d5	81.4	30-130		8/10/17 11:30
2-Fluorobiphenyl	90.8	30-130		8/10/17 11:30
2,4,6-Tribromophenol	102	30-130		8/10/17 11:30
p-Terphenyl-d14	117	30-130		8/10/17 11:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-2 Sampled: 8/1/2017 10:30

Sample ID: 17H0058-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:05	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:05	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:05	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:05	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:05	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:05	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:05	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:05	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:05	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.5	30-150		8/23/17 6:05
Decachlorobiphenyl [2]	81.7	30-150		8/23/17 6:05
Tetrachloro-m-xylene [1]	85.3	30-150		8/23/17 6:05
Tetrachloro-m-xylene [2]	94.5	30-150		8/23/17 6:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-2 Sampled: 8/1/2017 10:30

Sample ID: 17H0058-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	11	11	mg/Kg dry	1	R-06	CTDEP ETPH	8/9/17	8/10/17 8:20	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	54.8	50-150		8/10/17 8:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-2 Sampled: 8/1/2017 10:30

Sample ID: 17H0058-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.5	mg/Kg dry	1	MS-07A	SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Arsenic	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Barium	35	2.5	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Beryllium	0.32	0.25	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Cadmium	0.46	0.25	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Chromium	8.2	0.51	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Copper	42	0.51	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Lead	24	0.76	mg/Kg dry	1	L-10, MS-23	SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Mercury	0.060	0.026	mg/Kg dry	1		SW-846 7471B	8/8/17	8/10/17 10:56	SCB
Nickel	9.6	0.51	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Silver	ND	0.51	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Vanadium	31	1.0	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW
Zinc	42	1.0	mg/Kg dry	1	B-07, B	SW-846 6010C-D	8/8/17	8/9/17 15:48	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-2 Sampled: 8/1/2017 10:30

Sample ID: 17H0058-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.0		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-3 Sampled: 8/1/2017 10:34

Sample ID: 17H0058-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Acrylonitrile	ND	0.0074	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Benzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Bromobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Bromodichloromethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Bromoform	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
2-Butanone (MEK)	ND	0.049	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
sec-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
tert-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Carbon Disulfide	0.0098	0.0074	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Chlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Chlorodibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Chloroethane	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Chloroform	ND	0.0049	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
2-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
4-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0049	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,2-Dibromoethane (EDB)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Dibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,2-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,3-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,4-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,1-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,2-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,1-Dichloroethylene	ND	0.0049	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
cis-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
trans-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
2,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,1-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Ethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Hexachlorobutadiene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
2-Hexanone (MBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Isopropylbenzene (Cumene)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-3 Sampled: 8/1/2017 10:34

Sample ID: 17H0058-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Methylene Chloride	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Naphthalene	ND	0.0049	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
n-Propylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Styrene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Tetrachloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Toluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,2,3-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,2,4-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,1,1-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,1,2-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Trichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,2,3-Trichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,2,4-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
1,3,5-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
m+p Xylene	ND	0.0049	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF
o-Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 10:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.0	70-130		8/4/17 10:48
Toluene-d8	93.2	70-130		8/4/17 10:48
4-Bromofluorobenzene	85.8	70-130		8/4/17 10:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-3 Sampled: 8/1/2017 10:34

Sample ID: 17H0058-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Acenaphthylene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Aniline	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Anthracene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Benzo(a)anthracene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Benzo(a)pyrene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Benzo(b)fluoranthene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Benzo(g,h,i)perylene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Benzo(k)fluoranthene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Bis(2-chloroethoxy)methane	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Bis(2-chloroethyl)ether	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Bis(2-chloroisopropyl)ether	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
4-Bromophenylphenylether	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Butylbenzylphthalate	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Carbazole	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
4-Chloroaniline	ND	1.1	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
4-Chloro-3-methylphenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2-Chloronaphthalene	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2-Chlorophenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
4-Chlorophenylphenylether	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Chrysene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Dibenz(a,h)anthracene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Dibenzofuran	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Di-n-butylphthalate	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
3,3-Dichlorobenzidine	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2,4-Dichlorophenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Diethylphthalate	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2,4-Dimethylphenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Dimethylphthalate	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
4,6-Dinitro-2-methylphenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2,4-Dinitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2,4-Dinitrotoluene	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2,6-Dinitrotoluene	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Di-n-octylphthalate	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Fluoranthene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Fluorene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Hexachlorobenzene	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Hexachlorobutadiene	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Hexachlorocyclopentadiene	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Hexachloroethane	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Indeno(1,2,3-cd)pyrene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Isophorone	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2-Methylnaphthalene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-3 Sampled: 8/1/2017 10:34

Sample ID: 17H0058-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
3/4-Methylphenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Naphthalene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2-Nitroaniline	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
3-Nitroaniline	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
4-Nitroaniline	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Nitrobenzene	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2-Nitrophenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
4-Nitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
N-Nitrosodiphenylamine	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
N-Nitrosodi-n-propylamine	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Pentachloronitrobenzene	ND	0.59	mg/Kg dry	1	V-16	SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Pentachlorophenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Phenanthrene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Phenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Pyrene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
Pyridine	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
1,2,4-Trichlorobenzene	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2,4,5-Trichlorophenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL
2,4,6-Trichlorophenol	ND	0.59	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 11:54	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	74.1	30-130		8/10/17 11:54
Phenol-d6	72.4	30-130		8/10/17 11:54
Nitrobenzene-d5	81.5	30-130		8/10/17 11:54
2-Fluorobiphenyl	83.6	30-130		8/10/17 11:54
2,4,6-Tribromophenol	94.7	30-130		8/10/17 11:54
p-Terphenyl-d14	98.5	30-130		8/10/17 11:54

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-3 Sampled: 8/1/2017 10:34

Sample ID: 17H0058-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:18	TG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:18	TG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:18	TG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:18	TG
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:18	TG
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:18	TG
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:18	TG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:18	TG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:18	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.9	30-150		8/23/17 6:18
Decachlorobiphenyl [2]	80.2	30-150		8/23/17 6:18
Tetrachloro-m-xylene [1]	85.6	30-150		8/23/17 6:18
Tetrachloro-m-xylene [2]	94.3	30-150		8/23/17 6:18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-3 Sampled: 8/1/2017 10:34

Sample ID: 17H0058-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	40	17	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 9:13	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	50.5	50-150		8/10/17 9:13

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-3 Sampled: 8/1/2017 10:34

Sample ID: 17H0058-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	4.4	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Arsenic	6.6	4.4	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Barium	48	4.4	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Beryllium	0.93	0.44	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Cadmium	0.49	0.44	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Chromium	38	0.87	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Copper	17	0.87	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Lead	9.7	1.3	mg/Kg dry	1	L-10	SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Mercury	0.047	0.042	mg/Kg dry	1		SW-846 7471B	8/8/17	8/10/17 11:15	SCB
Nickel	19	0.87	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Selenium	ND	8.7	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Silver	ND	0.87	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Thallium	ND	4.4	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Vanadium	42	1.7	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW
Zinc	68	1.7	mg/Kg dry	1	B-07, B	SW-846 6010C-D	8/8/17	8/9/17 16:01	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-3 Sampled: 8/1/2017 10:34

Sample ID: 17H0058-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	57.6		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-4 Sampled: 8/1/2017 10:38

Sample ID: 17H0058-13

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Acrylonitrile	ND	0.0075	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Benzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Bromobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Bromodichloromethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Bromoform	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
2-Butanone (MEK)	ND	0.050	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
sec-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
tert-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Carbon Disulfide	ND	0.0075	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Chlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Chlorodibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Chloroethane	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Chloroform	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
2-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
4-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,2-Dibromoethane (EDB)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Dibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,2-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,3-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,4-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,1-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,2-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,1-Dichloroethylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
cis-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
trans-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
2,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,1-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Ethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Hexachlorobutadiene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
2-Hexanone (MBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Isopropylbenzene (Cumene)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-4 Sampled: 8/1/2017 10:38

Sample ID: 17H0058-13

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Methylene Chloride	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Naphthalene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
n-Propylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Styrene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Tetrachloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Toluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,2,3-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,2,4-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,1,1-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,1,2-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Trichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,2,3-Trichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,2,4-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
1,3,5-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
m+p Xylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF
o-Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/4/17	8/4/17 11:15	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.4	70-130		8/4/17 11:15
Toluene-d8	93.0	70-130		8/4/17 11:15
4-Bromofluorobenzene	89.5	70-130		8/4/17 11:15

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-4 Sampled: 8/1/2017 10:38

Sample ID: 17H0058-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Acenaphthylene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Aniline	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Anthracene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Benzo(a)anthracene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Benzo(a)pyrene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Benzo(b)fluoranthene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Benzo(g,h,i)perylene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Benzo(k)fluoranthene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Bis(2-chloroethoxy)methane	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Bis(2-chloroethyl)ether	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Bis(2-chloroisopropyl)ether	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
4-Bromophenylphenylether	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Butylbenzylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Carbazole	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
4-Chloroaniline	ND	1.2	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
4-Chloro-3-methylphenol	ND	1.2	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2-Chloronaphthalene	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2-Chlorophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
4-Chlorophenylphenylether	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Chrysene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Dibenz(a,h)anthracene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Dibenzofuran	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Di-n-butylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
3,3-Dichlorobenzidine	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2,4-Dichlorophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Diethylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2,4-Dimethylphenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Dimethylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
4,6-Dinitro-2-methylphenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2,4-Dinitrophenol	ND	1.2	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2,4-Dinitrotoluene	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2,6-Dinitrotoluene	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Di-n-octylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Fluoranthene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Fluorene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Hexachlorobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Hexachlorobutadiene	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Hexachlorocyclopentadiene	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Hexachloroethane	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Indeno(1,2,3-cd)pyrene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Isophorone	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2-Methylnaphthalene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-4 Sampled: 8/1/2017 10:38

Sample ID: 17H0058-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
3/4-Methylphenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Naphthalene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2-Nitroaniline	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
3-Nitroaniline	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
4-Nitroaniline	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Nitrobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2-Nitrophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
4-Nitrophenol	ND	1.2	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
N-Nitrosodiphenylamine	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
N-Nitrosodi-n-propylamine	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Pentachloronitrobenzene	ND	0.60	mg/Kg dry	1	V-16	SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Pentachlorophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Phenanthrene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Phenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Pyrene	ND	0.30	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
Pyridine	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
1,2,4-Trichlorobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2,4,5-Trichlorophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL
2,4,6-Trichlorophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 12:17	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	76.3	30-130		8/10/17 12:17
Phenol-d6	74.7	30-130		8/10/17 12:17
Nitrobenzene-d5	85.4	30-130		8/10/17 12:17
2-Fluorobiphenyl	79.0	30-130		8/10/17 12:17
2,4,6-Tribromophenol	93.6	30-130		8/10/17 12:17
p-Terphenyl-d14	83.3	30-130		8/10/17 12:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-4 Sampled: 8/1/2017 10:38

Sample ID: 17H0058-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:30	TG
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:30	TG
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:30	TG
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:30	TG
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:30	TG
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:30	TG
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:30	TG
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:30	TG
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 6:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.9	30-150		8/23/17 6:30
Decachlorobiphenyl [2]	72.3	30-150		8/23/17 6:30
Tetrachloro-m-xylene [1]	76.0	30-150		8/23/17 6:30
Tetrachloro-m-xylene [2]	84.4	30-150		8/23/17 6:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-4 Sampled: 8/1/2017 10:38

Sample ID: 17H0058-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	37	18	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 9:31	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	59.9	50-150		8/10/17 9:31

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-4 Sampled: 8/1/2017 10:38

Sample ID: 17H0058-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	4.3	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Arsenic	7.9	4.3	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Barium	43	4.3	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Beryllium	0.85	0.43	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Cadmium	ND	0.43	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Chromium	36	0.86	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Copper	16	0.86	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Lead	10	1.3	mg/Kg dry	1	L-10	SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Mercury	ND	0.044	mg/Kg dry	1		SW-846 7471B	8/8/17	8/10/17 11:17	SCB
Nickel	19	0.86	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Selenium	ND	8.6	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Silver	ND	0.86	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Thallium	ND	4.3	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Vanadium	41	1.7	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW
Zinc	65	1.7	mg/Kg dry	1	B-07, B	SW-846 6010C-D	8/8/17	8/9/17 16:04	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-2-4 Sampled: 8/1/2017 10:38

Sample ID: 17H0058-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	57.0		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-1 Sampled: 8/1/2017 10:40

Sample ID: 17H0058-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:18	TG
Aroclor-1221 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:18	TG
Aroclor-1232 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:18	TG
Aroclor-1242 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:18	TG
Aroclor-1248 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:18	TG
Aroclor-1254 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:18	TG
Aroclor-1260 [2]	3.9	1.0	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:18	TG
Aroclor-1262 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:18	TG
Aroclor-1268 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:18	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/23/17 10:18
Decachlorobiphenyl [2]	*	30-150	S-01	8/23/17 10:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/23/17 10:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/23/17 10:18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-1 Sampled: 8/1/2017 10:40

Sample ID: 17H0058-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-2 Sampled: 8/1/2017 10:42

Sample ID: 17H0058-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:30	TG
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:30	TG
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:30	TG
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:30	TG
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:30	TG
Aroclor-1254 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:30	TG
Aroclor-1260 [2]	6.3	1.1	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:30	TG
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:30	TG
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	8/14/17	8/23/17 10:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	8/23/17 10:30
Decachlorobiphenyl [2]	*	30-150	S-01	8/23/17 10:30
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/23/17 10:30
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/23/17 10:30

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-2 Sampled: 8/1/2017 10:42

Sample ID: 17H0058-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.2		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-3 Sampled: 8/1/2017 10:44

Sample ID: 17H0058-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	8/14/17	8/23/17 10:43	TG
Aroclor-1221 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	8/14/17	8/23/17 10:43	TG
Aroclor-1232 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	8/14/17	8/23/17 10:43	TG
Aroclor-1242 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	8/14/17	8/23/17 10:43	TG
Aroclor-1248 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	8/14/17	8/23/17 10:43	TG
Aroclor-1254 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	8/14/17	8/23/17 10:43	TG
Aroclor-1260 [2]	87	13	mg/Kg dry	500		SW-846 8082A	8/14/17	8/23/17 10:43	TG
Aroclor-1262 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	8/14/17	8/23/17 10:43	TG
Aroclor-1268 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	8/14/17	8/23/17 10:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		8/23/17 10:43
Decachlorobiphenyl [2]	131	30-150		8/23/17 10:43
Tetrachloro-m-xylene [1]	97.0	30-150		8/23/17 10:43
Tetrachloro-m-xylene [2]	132	30-150		8/23/17 10:43

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-3 Sampled: 8/1/2017 10:44

Sample ID: 17H0058-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.3		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-4A Sampled: 8/1/2017 10:46

Sample ID: 17H0058-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:21	TG
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:21	TG
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:21	TG
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:21	TG
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:21	TG
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:21	TG
Aroclor-1260 [2]	0.38	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:21	TG
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:21	TG
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.9	30-150		8/23/17 7:21
Decachlorobiphenyl [2]	87.0	30-150		8/23/17 7:21
Tetrachloro-m-xylene [1]	79.8	30-150		8/23/17 7:21
Tetrachloro-m-xylene [2]	91.8	30-150		8/23/17 7:21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-4A Sampled: 8/1/2017 10:46

Sample ID: 17H0058-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	61.2		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-4B Sampled: 8/1/2017 10:48

Sample ID: 17H0058-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Acenaphthylene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Anthracene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Benzo(a)anthracene	0.62	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Benzo(a)pyrene	0.56	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Benzo(b)fluoranthene	0.59	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Benzo(g,h,i)perylene	0.37	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Benzo(k)fluoranthene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Chrysene	0.48	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Dibenz(a,h)anthracene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Fluoranthene	1.2	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Fluorene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Indeno(1,2,3-cd)pyrene	0.39	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
2-Methylnaphthalene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Naphthalene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Phenanthrene	0.43	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL
Pyrene	1.3	0.34	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 0:27	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	73.7	30-130		8/11/17 0:27
2-Fluorobiphenyl	61.4	30-130		8/11/17 0:27
p-Terphenyl-d14	57.1	30-130		8/11/17 0:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-4B Sampled: 8/1/2017 10:48

Sample ID: 17H0058-18

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	100	mg/Kg dry	5		CTDEP ETPH	8/9/17	8/10/17 12:12	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	55.5	50-150		8/10/17 12:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-48-4B Sampled: 8/1/2017 10:48

Sample ID: 17H0058-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	49.7		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-47-1 Sampled: 8/1/2017 11:00

Sample ID: 17H0058-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:33	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:33	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:33	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:33	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:33	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:33	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:33	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:33	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 7:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.4	30-150		8/23/17 7:33
Decachlorobiphenyl [2]	77.7	30-150		8/23/17 7:33
Tetrachloro-m-xylene [1]	85.4	30-150		8/23/17 7:33
Tetrachloro-m-xylene [2]	95.3	30-150		8/23/17 7:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0058

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-47-1 Sampled: 8/1/2017 11:00

Sample ID: 17H0058-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.9		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0058-06 [WS-AOC9-SO-30-3B]	B183688	30.0	1.00	08/09/17
17H0058-08 [WS-AOC3-SO-1-2]	B183688	30.0	1.00	08/09/17
17H0058-09 [WS-AOC3-SO-1-3]	B183688	30.0	1.00	08/09/17
17H0058-11 [WS-AOC3-SO-2-2]	B183688	30.0	1.00	08/09/17
17H0058-12 [WS-AOC3-SO-2-3]	B183688	30.0	1.00	08/09/17
17H0058-13 [WS-AOC3-SO-2-4]	B183688	30.0	1.00	08/09/17
17H0058-18 [WS-AOC9-SO-48-4B]	B183688	30.3	1.00	08/09/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H0058-01 [WS-AOC9-SO-31-1]	B183482	08/07/17
17H0058-02 [WS-AOC9-SO-31-2]	B183482	08/07/17
17H0058-03 [WS-AOC9-SO-30-1]	B183482	08/07/17
17H0058-04 [WS-AOC9-SO-30-2]	B183482	08/07/17
17H0058-05 [WS-AOC9-SO-30-3A]	B183482	08/07/17
17H0058-06 [WS-AOC9-SO-30-3B]	B183482	08/07/17
17H0058-07 [WS-AOC3-SO-1-1]	B183482	08/07/17
17H0058-08 [WS-AOC3-SO-1-2]	B183482	08/07/17
17H0058-09 [WS-AOC3-SO-1-3]	B183482	08/07/17
17H0058-10 [WS-AOC3-SO-2-1]	B183482	08/07/17
17H0058-11 [WS-AOC3-SO-2-2]	B183482	08/07/17
17H0058-12 [WS-AOC3-SO-2-3]	B183482	08/07/17
17H0058-13 [WS-AOC3-SO-2-4]	B183482	08/07/17
17H0058-14 [WS-AOC9-SO-48-1]	B183482	08/07/17
17H0058-15 [WS-AOC9-SO-48-2]	B183482	08/07/17
17H0058-16 [WS-AOC9-SO-48-3]	B183482	08/07/17
17H0058-17 [WS-AOC9-SO-48-4A]	B183482	08/07/17
17H0058-18 [WS-AOC9-SO-48-4B]	B183482	08/07/17
17H0058-19 [WS-AOC9-SO-47-1]	B183482	08/07/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0058-08 [WS-AOC3-SO-1-2]	B183630	1.04	50.0	08/08/17
17H0058-09 [WS-AOC3-SO-1-3]	B183630	1.04	50.0	08/08/17
17H0058-11 [WS-AOC3-SO-2-2]	B183630	1.04	50.0	08/08/17
17H0058-12 [WS-AOC3-SO-2-3]	B183630	0.995	50.0	08/08/17
17H0058-13 [WS-AOC3-SO-2-4]	B183630	1.02	50.0	08/08/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0058-08 [WS-AOC3-SO-1-2]	B183537	0.601	50.0	08/08/17
17H0058-09 [WS-AOC3-SO-1-3]	B183537	0.600	50.0	08/08/17
17H0058-11 [WS-AOC3-SO-2-2]	B183537	0.617	50.0	08/08/17
17H0058-12 [WS-AOC3-SO-2-3]	B183537	0.614	50.0	08/08/17
17H0058-13 [WS-AOC3-SO-2-4]	B183537	0.604	50.0	08/08/17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0058-01 [WS-AOC9-SO-31-1]	B184001	10.0	10.0	08/14/17
17H0058-02 [WS-AOC9-SO-31-2]	B184001	10.0	10.0	08/14/17
17H0058-03 [WS-AOC9-SO-30-1]	B184001	10.0	10.0	08/14/17
17H0058-04 [WS-AOC9-SO-30-2]	B184001	10.0	10.0	08/14/17
17H0058-05 [WS-AOC9-SO-30-3A]	B184001	5.10	10.0	08/14/17
17H0058-07 [WS-AOC3-SO-1-1]	B184001	10.1	10.0	08/14/17
17H0058-08 [WS-AOC3-SO-1-2]	B184001	10.0	10.0	08/14/17
17H0058-09 [WS-AOC3-SO-1-3]	B184001	10.1	10.0	08/14/17
17H0058-10 [WS-AOC3-SO-2-1]	B184001	10.1	10.0	08/14/17
17H0058-11 [WS-AOC3-SO-2-2]	B184001	10.0	10.0	08/14/17
17H0058-12 [WS-AOC3-SO-2-3]	B184001	10.2	10.0	08/14/17
17H0058-13 [WS-AOC3-SO-2-4]	B184001	10.0	10.0	08/14/17
17H0058-14 [WS-AOC9-SO-48-1]	B184001	10.0	10.0	08/14/17
17H0058-15 [WS-AOC9-SO-48-2]	B184001	10.0	10.0	08/14/17
17H0058-16 [WS-AOC9-SO-48-3]	B184001	10.1	10.0	08/14/17
17H0058-17 [WS-AOC9-SO-48-4A]	B184001	10.1	10.0	08/14/17
17H0058-19 [WS-AOC9-SO-47-1]	B184001	10.0	10.0	08/14/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0058-08 [WS-AOC3-SO-1-2]	B183325	7.02	10.0	08/04/17
17H0058-09 [WS-AOC3-SO-1-3]	B183325	9.24	10.0	08/04/17
17H0058-11 [WS-AOC3-SO-2-2]	B183325	7.31	10.0	08/04/17
17H0058-12 [WS-AOC3-SO-2-3]	B183325	7.02	10.0	08/04/17
17H0058-13 [WS-AOC3-SO-2-4]	B183325	7.05	10.0	08/04/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0058-06 [WS-AOC9-SO-30-3B]	B183687	30.0	1.00	08/09/17
17H0058-08 [WS-AOC3-SO-1-2]	B183687	30.0	1.00	08/09/17
17H0058-09 [WS-AOC3-SO-1-3]	B183687	30.0	1.00	08/09/17
17H0058-11 [WS-AOC3-SO-2-2]	B183687	30.0	1.00	08/09/17
17H0058-12 [WS-AOC3-SO-2-3]	B183687	30.0	1.00	08/09/17
17H0058-13 [WS-AOC3-SO-2-4]	B183687	30.0	1.00	08/09/17
17H0058-18 [WS-AOC9-SO-48-4B]	B183687	30.0	1.00	08/09/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183325 - SW-846 5035										
Blank (B183325-BLK1)				Prepared & Analyzed: 08/04/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183325 - SW-846 5035										
Blank (B183325-BLK1)				Prepared & Analyzed: 08/04/17						
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0468*		mg/Kg wet	0.0500		93.6	70-130			
Surrogate: Toluene-d8	*0.0463*		mg/Kg wet	0.0500		92.5	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0471*		mg/Kg wet	0.0500		94.2	70-130			
LCS (B183325-BS1)				Prepared & Analyzed: 08/04/17						
Acetone	0.219	0.10	mg/Kg wet	0.200		109	70-130			
Acrylonitrile	0.0198	0.0060	mg/Kg wet	0.0200		98.9	70-130			
Benzene	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130			
Bromobenzene	0.0221	0.0020	mg/Kg wet	0.0200		111	70-130			
Bromodichloromethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
Bromoform	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Bromomethane	0.0211	0.010	mg/Kg wet	0.0200		106	70-130			
2-Butanone (MEK)	0.222	0.040	mg/Kg wet	0.200		111	70-130			
n-Butylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
sec-Butylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130			
tert-Butylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Carbon Disulfide	0.214	0.0060	mg/Kg wet	0.200		107	70-130			
Carbon Tetrachloride	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
Chlorobenzene	0.0231	0.0020	mg/Kg wet	0.0200		116	70-130			
Chlorodibromomethane	0.0220	0.0010	mg/Kg wet	0.0200		110	70-130			
Chloroethane	0.0189	0.020	mg/Kg wet	0.0200		94.3	70-130			
Chloroform	0.0203	0.0040	mg/Kg wet	0.0200		101	70-130			
Chloromethane	0.0207	0.010	mg/Kg wet	0.0200		104	70-130			
2-Chlorotoluene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
4-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0195	0.0020	mg/Kg wet	0.0200		97.3	70-130			
1,2-Dibromoethane (EDB)	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
Dibromomethane	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130			
1,2-Dichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
1,3-Dichlorobenzene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
1,4-Dichlorobenzene	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130			
trans-1,4-Dichloro-2-butene	0.0167	0.0040	mg/Kg wet	0.0200		83.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0221	0.020	mg/Kg wet	0.0200		110	70-130			
1,1-Dichloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1-Dichloroethylene	0.0193	0.0040	mg/Kg wet	0.0200		96.3	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183325 - SW-846 5035										
LCS (B183325-BS1)				Prepared & Analyzed: 08/04/17						
cis-1,2-Dichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130			
trans-1,2-Dichloroethylene	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130			
1,2-Dichloropropane	0.0192	0.0020	mg/Kg wet	0.0200		95.9	70-130			
1,3-Dichloropropane	0.0218	0.0010	mg/Kg wet	0.0200		109	70-130			
2,2-Dichloropropane	0.0174	0.0020	mg/Kg wet	0.0200		86.9	70-130			
1,1-Dichloropropene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
cis-1,3-Dichloropropene	0.0208	0.0010	mg/Kg wet	0.0200		104	70-130			
trans-1,3-Dichloropropene	0.0198	0.0010	mg/Kg wet	0.0200		98.9	70-130			
Ethylbenzene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
Hexachlorobutadiene	0.0238	0.0020	mg/Kg wet	0.0200		119	70-130			
2-Hexanone (MBK)	0.225	0.020	mg/Kg wet	0.200		113	70-130			
Isopropylbenzene (Cumene)	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0189	0.0040	mg/Kg wet	0.0200		94.7	70-130			
Methylene Chloride	0.0205	0.020	mg/Kg wet	0.0200		102	70-130			
4-Methyl-2-pentanone (MIBK)	0.219	0.020	mg/Kg wet	0.200		110	70-130			
Naphthalene	0.0185	0.0040	mg/Kg wet	0.0200		92.3	70-130			
n-Propylbenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Styrene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1,1,2-Tetrachloroethane	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
1,1,2,2-Tetrachloroethane	0.0217	0.0010	mg/Kg wet	0.0200		109	70-130			
Tetrachloroethylene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
Tetrahydrofuran	0.0189	0.010	mg/Kg wet	0.0200		94.3	70-130			
Toluene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2,3-Trichlorobenzene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
1,2,4-Trichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130			
1,1,1-Trichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2-Trichloroethane	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
Trichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
Trichlorofluoromethane (Freon 11)	0.0217	0.010	mg/Kg wet	0.0200		108	70-130			
1,2,3-Trichloropropane	0.0238	0.0020	mg/Kg wet	0.0200		119	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0207	0.010	mg/Kg wet	0.0200		104	70-130			
1,2,4-Trimethylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.2	70-130			
1,3,5-Trimethylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
Vinyl Chloride	0.0194	0.010	mg/Kg wet	0.0200		96.8	70-130			
m+p Xylene	0.0435	0.0040	mg/Kg wet	0.0400		109	70-130			
o-Xylene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0457*		mg/Kg wet	0.0500		91.4	70-130			
Surrogate: Toluene-d8	*0.0460*		mg/Kg wet	0.0500		92.0	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0506*		mg/Kg wet	0.0500		101	70-130			
Matrix Spike (B183325-MS1)		**Source: 17H0058-09**		Prepared & Analyzed: 08/04/17						
Acetone	0.0909	0.062	mg/Kg dry	0.124	ND	73.0	70-130			
Acrylonitrile	0.00919	0.0037	mg/Kg dry	0.0124	ND	73.8	70-130			
Benzene	0.0116	0.0012	mg/Kg dry	0.0124	ND	93.3	70-130			
Bromobenzene	0.0118	0.0012	mg/Kg dry	0.0124	ND	94.9	70-130			
Bromodichloromethane	0.0130	0.0012	mg/Kg dry	0.0124	ND	104	70-130			
Bromoform	0.0110	0.0012	mg/Kg dry	0.0124	ND	88.5	70-130			
Bromomethane	0.00945	0.0062	mg/Kg dry	0.0124	ND	75.9	70-130			
2-Butanone (MEK)	0.0899	0.025	mg/Kg dry	0.124	ND	72.2	70-130			
n-Butylbenzene	0.0122	0.0012	mg/Kg dry	0.0124	ND	98.0	70-130			
sec-Butylbenzene	0.0120	0.0012	mg/Kg dry	0.0124	ND	96.4	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183325 - SW-846 5035											
Matrix Spike (B183325-MS1)		**Source: 17H0058-09**		Prepared & Analyzed: 08/04/17							
tert-Butylbenzene	0.0116	0.0012	mg/Kg dry	0.0124	ND	93.3		70-130			
Carbon Disulfide	0.0116	0.0037	mg/Kg dry	0.0124	ND	93.0		70-130			
Carbon Tetrachloride	0.0121	0.0012	mg/Kg dry	0.0124	ND	97.2		70-130			
Chlorobenzene	0.0125	0.0012	mg/Kg dry	0.0124	ND	101		70-130			
Chlorodibromomethane	0.0124	0.00062	mg/Kg dry	0.0124	ND	99.6		70-130			
Chloroethane	0.0106	0.012	mg/Kg dry	0.0124	ND	84.9		70-130			
Chloroform	0.0119	0.0025	mg/Kg dry	0.0124	ND	95.8		70-130			
Chloromethane	0.00981	0.0062	mg/Kg dry	0.0124	ND	78.8		70-130			
2-Chlorotoluene	0.0128	0.0012	mg/Kg dry	0.0124	ND	103		70-130			
4-Chlorotoluene	0.0120	0.0012	mg/Kg dry	0.0124	ND	96.6		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0102	0.0012	mg/Kg dry	0.0124	ND	81.9		70-130			
1,2-Dibromoethane (EDB)	0.0115	0.00062	mg/Kg dry	0.0124	ND	92.4		70-130			
Dibromomethane	0.0123	0.0012	mg/Kg dry	0.0124	ND	98.6		70-130			
1,2-Dichlorobenzene	0.0122	0.0012	mg/Kg dry	0.0124	ND	98.0		70-130			
1,3-Dichlorobenzene	0.0127	0.0012	mg/Kg dry	0.0124	ND	102		70-130			
1,4-Dichlorobenzene	0.0122	0.0012	mg/Kg dry	0.0124	ND	98.3		70-130			
trans-1,4-Dichloro-2-butene	0.00877	0.0025	mg/Kg dry	0.0124	ND	70.5		70-130			
Dichlorodifluoromethane (Freon 12)	0.00621	0.012	mg/Kg dry	0.0124	ND	**49.9**	*	70-130			MS-07A
1,1-Dichloroethane	0.0136	0.0012	mg/Kg dry	0.0124	ND	109		70-130			
1,2-Dichloroethane	0.0128	0.0012	mg/Kg dry	0.0124	ND	103		70-130			
1,1-Dichloroethylene	0.0118	0.0025	mg/Kg dry	0.0124	ND	94.9		70-130			
cis-1,2-Dichloroethylene	0.0120	0.0012	mg/Kg dry	0.0124	ND	96.3		70-130			
trans-1,2-Dichloroethylene	0.0115	0.0012	mg/Kg dry	0.0124	ND	92.5		70-130			
1,2-Dichloropropane	0.0116	0.0012	mg/Kg dry	0.0124	ND	92.9		70-130			
1,3-Dichloropropane	0.0118	0.00062	mg/Kg dry	0.0124	ND	94.9		70-130			
2,2-Dichloropropane	0.0113	0.0012	mg/Kg dry	0.0124	ND	90.4		70-130			
1,1-Dichloropropene	0.0118	0.0012	mg/Kg dry	0.0124	ND	94.5		70-130			
cis-1,3-Dichloropropene	0.0111	0.00062	mg/Kg dry	0.0124	ND	89.1		70-130			
trans-1,3-Dichloropropene	0.0106	0.00062	mg/Kg dry	0.0124	ND	85.1		70-130			
Ethylbenzene	0.0123	0.0012	mg/Kg dry	0.0124	ND	98.6		70-130			
Hexachlorobutadiene	0.0135	0.0012	mg/Kg dry	0.0124	ND	109		70-130			
2-Hexanone (MBK)	0.102	0.012	mg/Kg dry	0.124	ND	82.0		70-130			
Isopropylbenzene (Cumene)	0.0131	0.0012	mg/Kg dry	0.0124	ND	105		70-130			
p-Isopropyltoluene (p-Cymene)	0.0124	0.0012	mg/Kg dry	0.0124	ND	99.8		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0109	0.0025	mg/Kg dry	0.0124	ND	87.4		70-130			
Methylene Chloride	0.0118	0.012	mg/Kg dry	0.0124	ND	95.0		70-130			
4-Methyl-2-pentanone (MIBK)	0.118	0.012	mg/Kg dry	0.124	ND	94.5		70-130			
Naphthalene	0.00826	0.0025	mg/Kg dry	0.0124	ND	**66.4**	*	70-130			MS-07A
n-Propylbenzene	0.0120	0.0012	mg/Kg dry	0.0124	ND	96.2		70-130			
Styrene	0.0121	0.0012	mg/Kg dry	0.0124	ND	97.1		70-130			
1,1,1,2-Tetrachloroethane	0.0119	0.0012	mg/Kg dry	0.0124	ND	95.9		70-130			
1,1,2,2-Tetrachloroethane	0.0111	0.00062	mg/Kg dry	0.0124	ND	88.9		70-130			
Tetrachloroethylene	0.0145	0.0012	mg/Kg dry	0.0124	ND	116		70-130			
Tetrahydrofuran	0.00861	0.0062	mg/Kg dry	0.0124	ND	**69.2**	*	70-130			MS-07A
Toluene	0.0121	0.0012	mg/Kg dry	0.0124	ND	97.6		70-130			
1,2,3-Trichlorobenzene	0.00997	0.0012	mg/Kg dry	0.0124	ND	80.1		70-130			
1,2,4-Trichlorobenzene	0.00983	0.0012	mg/Kg dry	0.0124	ND	79.0		70-130			
1,1,1-Trichloroethane	0.0129	0.0012	mg/Kg dry	0.0124	ND	104		70-130			
1,1,2-Trichloroethane	0.0123	0.0012	mg/Kg dry	0.0124	ND	98.8		70-130			
Trichloroethylene	0.0119	0.0012	mg/Kg dry	0.0124	ND	95.9		70-130			
Trichlorofluoromethane (Freon 11)	0.0117	0.0062	mg/Kg dry	0.0124	ND	94.3		70-130			
1,2,3-Trichloropropane	0.0117	0.0012	mg/Kg dry	0.0124	ND	94.0		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183325 - SW-846 5035											
Matrix Spike (B183325-MS1)		**Source: 17H0058-09**		Prepared & Analyzed: 08/04/17							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0110	0.0062	mg/Kg dry	0.0124	ND	88.3		70-130			
1,2,4-Trimethylbenzene	0.0112	0.0012	mg/Kg dry	0.0124	ND	90.3		70-130			
1,3,5-Trimethylbenzene	0.0125	0.0012	mg/Kg dry	0.0124	ND	101		70-130			
Vinyl Chloride	0.00962	0.0062	mg/Kg dry	0.0124	ND	77.3		70-130			
m+p Xylene	0.0244	0.0025	mg/Kg dry	0.0249	ND	98.2		70-130			
o-Xylene	0.0120	0.0012	mg/Kg dry	0.0124	ND	96.3		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0280*		mg/Kg dry	0.0311		90.0		70-130			
Surrogate: Toluene-d8	*0.0294*		mg/Kg dry	0.0311		94.6		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0289*		mg/Kg dry	0.0311		92.9		70-130			
Matrix Spike Dup (B183325-MSD1)		**Source: 17H0058-09**		Prepared & Analyzed: 08/04/17							
Acetone	0.0925	0.065	mg/Kg dry	0.129	ND	71.5		70-130	1.76	30	
Acrylonitrile	0.00957	0.0039	mg/Kg dry	0.0129	ND	74.0		70-130	4.09	30	
Benzene	0.0120	0.0013	mg/Kg dry	0.0129	ND	92.9		70-130	3.39	30	
Bromobenzene	0.0121	0.0013	mg/Kg dry	0.0129	ND	93.8		70-130	2.65	30	
Bromodichloromethane	0.0135	0.0013	mg/Kg dry	0.0129	ND	104		70-130	3.72	30	
Bromoform	0.0111	0.0013	mg/Kg dry	0.0129	ND	85.9		70-130	0.836	30	
Bromomethane	0.0108	0.0065	mg/Kg dry	0.0129	ND	83.4		70-130	13.2	30	
2-Butanone (MEK)	0.0997	0.026	mg/Kg dry	0.129	ND	77.1		70-130	10.3	30	
n-Butylbenzene	0.0116	0.0013	mg/Kg dry	0.0129	ND	89.4		70-130	5.37	30	
sec-Butylbenzene	0.0116	0.0013	mg/Kg dry	0.0129	ND	89.8		70-130	3.27	30	
tert-Butylbenzene	0.0119	0.0013	mg/Kg dry	0.0129	ND	92.3		70-130	2.74	30	
Carbon Disulfide	0.0112	0.0039	mg/Kg dry	0.0129	ND	86.3		70-130	3.66	30	
Carbon Tetrachloride	0.0127	0.0013	mg/Kg dry	0.0129	ND	98.5		70-130	5.15	30	
Chlorobenzene	0.0129	0.0013	mg/Kg dry	0.0129	ND	100		70-130	3.22	30	
Chlorodibromomethane	0.0121	0.00065	mg/Kg dry	0.0129	ND	93.7		70-130	2.29	30	
Chloroethane	0.0114	0.013	mg/Kg dry	0.0129	ND	88.1		70-130	7.51	30	
Chloroform	0.0127	0.0026	mg/Kg dry	0.0129	ND	97.9		70-130	5.98	30	
Chloromethane	0.0101	0.0065	mg/Kg dry	0.0129	ND	78.0		70-130	2.80	30	
2-Chlorotoluene	0.0130	0.0013	mg/Kg dry	0.0129	ND	100		70-130	1.26	30	
4-Chlorotoluene	0.0121	0.0013	mg/Kg dry	0.0129	ND	93.9		70-130	0.983	30	
1,2-Dibromo-3-chloropropane (DBCP)	0.00968	0.0013	mg/Kg dry	0.0129	ND	74.9		70-130	5.12	30	
1,2-Dibromoethane (EDB)	0.0109	0.00065	mg/Kg dry	0.0129	ND	84.2		70-130	5.47	30	
Dibromomethane	0.0126	0.0013	mg/Kg dry	0.0129	ND	97.3		70-130	2.49	30	
1,2-Dichlorobenzene	0.0120	0.0013	mg/Kg dry	0.0129	ND	92.5		70-130	1.96	30	
1,3-Dichlorobenzene	0.0116	0.0013	mg/Kg dry	0.0129	ND	89.6		70-130	9.14	30	
1,4-Dichlorobenzene	0.0117	0.0013	mg/Kg dry	0.0129	ND	90.7		70-130	4.23	30	
trans-1,4-Dichloro-2-butene	0.00917	0.0026	mg/Kg dry	0.0129	ND	70.9		70-130	4.38	30	
Dichlorodifluoromethane (Freon 12)	0.00750	0.013	mg/Kg dry	0.0129	ND	**58.0**	*	70-130	18.8	30	MS-07A
1,1-Dichloroethane	0.0136	0.0013	mg/Kg dry	0.0129	ND	105		70-130	0.287	30	
1,2-Dichloroethane	0.0131	0.0013	mg/Kg dry	0.0129	ND	101		70-130	2.25	30	
1,1-Dichloroethylene	0.0121	0.0026	mg/Kg dry	0.0129	ND	93.4		70-130	2.22	30	
cis-1,2-Dichloroethylene	0.0121	0.0013	mg/Kg dry	0.0129	ND	93.6		70-130	0.974	30	
trans-1,2-Dichloroethylene	0.0116	0.0013	mg/Kg dry	0.0129	ND	89.4		70-130	0.409	30	
1,2-Dichloropropane	0.0120	0.0013	mg/Kg dry	0.0129	ND	92.5		70-130	3.39	30	
1,3-Dichloropropane	0.0116	0.00065	mg/Kg dry	0.0129	ND	90.0		70-130	1.48	30	
2,2-Dichloropropane	0.0118	0.0013	mg/Kg dry	0.0129	ND	91.5		70-130	5.03	30	
1,1-Dichloropropene	0.0125	0.0013	mg/Kg dry	0.0129	ND	96.3		70-130	5.70	30	
cis-1,3-Dichloropropene	0.0112	0.00065	mg/Kg dry	0.0129	ND	86.8		70-130	1.20	30	
trans-1,3-Dichloropropene	0.0108	0.00065	mg/Kg dry	0.0129	ND	83.6		70-130	2.04	30	
Ethylbenzene	0.0132	0.0013	mg/Kg dry	0.0129	ND	102		70-130	7.40	30	
Hexachlorobutadiene	0.0113	0.0013	mg/Kg dry	0.0129	ND	87.1		70-130	18.3	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183325 - SW-846 5035											
Matrix Spike Dup (B183325-MSD1)		**Source: 17H0058-09**		Prepared & Analyzed: 08/04/17							
2-Hexanone (MBK)	0.104	0.013	mg/Kg dry	0.129	ND	80.5		70-130	2.01	30	
Isopropylbenzene (Cumene)	0.0134	0.0013	mg/Kg dry	0.0129	ND	104		70-130	2.48	30	
p-Isopropyltoluene (p-Cymene)	0.0120	0.0013	mg/Kg dry	0.0129	ND	92.9		70-130	3.35	30	
Methyl tert-Butyl Ether (MTBE)	0.0106	0.0026	mg/Kg dry	0.0129	ND	81.8		70-130	2.80	30	
Methylene Chloride	0.0128	0.013	mg/Kg dry	0.0129	ND	99.3		70-130	8.24	30	
4-Methyl-2-pentanone (MIBK)	0.116	0.013	mg/Kg dry	0.129	ND	89.9		70-130	1.24	30	
Naphthalene	0.00826	0.0026	mg/Kg dry	0.0129	ND	**63.9**	*	70-130	0.0201	30	MS-07A
n-Propylbenzene	0.0128	0.0013	mg/Kg dry	0.0129	ND	98.7		70-130	6.38	30	
Styrene	0.0126	0.0013	mg/Kg dry	0.0129	ND	97.3		70-130	4.02	30	
1,1,1,2-Tetrachloroethane	0.0127	0.0013	mg/Kg dry	0.0129	ND	98.0		70-130	5.98	30	
1,1,2,2-Tetrachloroethane	0.0117	0.00065	mg/Kg dry	0.0129	ND	90.3		70-130	5.38	30	
Tetrachloroethylene	0.0138	0.0013	mg/Kg dry	0.0129	ND	107		70-130	4.78	30	
Tetrahydrofuran	0.00754	0.0065	mg/Kg dry	0.0129	ND	**58.3**	*	70-130	13.3	30	MS-07A
Toluene	0.0122	0.0013	mg/Kg dry	0.0129	ND	94.7		70-130	0.801	30	
1,2,3-Trichlorobenzene	0.00870	0.0013	mg/Kg dry	0.0129	ND	**67.3**	*	70-130	13.6	30	MS-24
1,2,4-Trichlorobenzene	0.00897	0.0013	mg/Kg dry	0.0129	ND	**69.4**	*	70-130	9.13	30	MS-24
1,1,1-Trichloroethane	0.0133	0.0013	mg/Kg dry	0.0129	ND	103		70-130	3.05	30	
1,1,2-Trichloroethane	0.0132	0.0013	mg/Kg dry	0.0129	ND	102		70-130	7.00	30	
Trichloroethylene	0.0121	0.0013	mg/Kg dry	0.0129	ND	93.6		70-130	1.39	30	
Trichlorofluoromethane (Freon 11)	0.0122	0.0065	mg/Kg dry	0.0129	ND	94.0		70-130	3.50	30	
1,2,3-Trichloropropane	0.0114	0.0013	mg/Kg dry	0.0129	ND	87.9		70-130	2.89	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0115	0.0065	mg/Kg dry	0.0129	ND	89.0		70-130	4.61	30	
1,2,4-Trimethylbenzene	0.0113	0.0013	mg/Kg dry	0.0129	ND	87.5		70-130	0.668	30	
1,3,5-Trimethylbenzene	0.0126	0.0013	mg/Kg dry	0.0129	ND	97.4		70-130	0.386	30	
Vinyl Chloride	0.0104	0.0065	mg/Kg dry	0.0129	ND	80.8		70-130	8.24	30	
m+p Xylene	0.0257	0.0026	mg/Kg dry	0.0259	ND	99.4		70-130	5.13	30	
o-Xylene	0.0127	0.0013	mg/Kg dry	0.0129	ND	98.0		70-130	5.57	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0294*		mg/Kg dry	0.0323		91.0		70-130			
Surrogate: Toluene-d8	*0.0298*		mg/Kg dry	0.0323		92.1		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0320*		mg/Kg dry	0.0323		98.8		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183687 - SW-846 3546										
Blank (B183687-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183687 - SW-846 3546										
Blank (B183687-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17						
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*4.74*		mg/Kg wet	6.67		71.1	30-130			
Surrogate: Phenol-d6	*4.59*		mg/Kg wet	6.67		68.9	30-130			
Surrogate: Nitrobenzene-d5	*2.50*		mg/Kg wet	3.33		75.0	30-130			
Surrogate: 2-Fluorobiphenyl	*2.47*		mg/Kg wet	3.33		74.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.69*		mg/Kg wet	6.67		85.4	30-130			
Surrogate: p-Terphenyl-d14	*3.14*		mg/Kg wet	3.33		94.1	30-130			
LCS (B183687-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17						
Acenaphthene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140			
Acenaphthylene	1.13	0.17	mg/Kg wet	1.67		67.7	40-140			
Aniline	0.845	0.34	mg/Kg wet	1.67		50.7	40-140			†
Anthracene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140			
Benzo(a)anthracene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140			
Benzo(a)pyrene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140			
Benzo(b)fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.0	40-140			
Benzo(g,h,i)perylene	1.34	0.17	mg/Kg wet	1.67		80.4	40-140			
Benzo(k)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140			
Bis(2-chloroethoxy)methane	1.19	0.34	mg/Kg wet	1.67		71.2	40-140			
Bis(2-chloroethyl)ether	1.07	0.34	mg/Kg wet	1.67		64.4	40-140			
Bis(2-chloroisopropyl)ether	1.06	0.34	mg/Kg wet	1.67		63.6	40-140			
Bis(2-Ethylhexyl)phthalate	1.38	0.34	mg/Kg wet	1.67		82.9	40-140			
4-Bromophenylphenylether	1.24	0.34	mg/Kg wet	1.67		74.4	40-140			
Butylbenzylphthalate	1.30	0.34	mg/Kg wet	1.67		78.2	40-140			
Carbazole	1.09	0.17	mg/Kg wet	1.67		65.4	40-140			
4-Chloroaniline	0.809	0.66	mg/Kg wet	1.67		48.6	40-140			†
4-Chloro-3-methylphenol	1.19	0.66	mg/Kg wet	1.67		71.6	30-130			
2-Chloronaphthalene	0.942	0.34	mg/Kg wet	1.67		56.5	40-140			
2-Chlorophenol	1.15	0.34	mg/Kg wet	1.67		69.1	30-130			
4-Chlorophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.4	40-140			
Chrysene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140			
Dibenz(a,h)anthracene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140			
Dibenzofuran	1.20	0.34	mg/Kg wet	1.67		71.7	40-140			
Di-n-butylphthalate	1.17	0.34	mg/Kg wet	1.67		70.4	40-140			
3,3-Dichlorobenzidine	0.747	0.17	mg/Kg wet	1.67		44.8	40-140			†
2,4-Dichlorophenol	1.18	0.34	mg/Kg wet	1.67		71.0	30-130			
Diethylphthalate	1.26	0.34	mg/Kg wet	1.67		75.3	40-140			
2,4-Dimethylphenol	1.17	0.34	mg/Kg wet	1.67		70.1	30-130			
Dimethylphthalate	1.19	0.34	mg/Kg wet	1.67		71.4	40-140			
4,6-Dinitro-2-methylphenol	1.02	0.34	mg/Kg wet	1.67		61.2	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B183687 - SW-846 3546											
LCS (B183687-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17							
2,4-Dinitrophenol	0.685	0.66	mg/Kg wet	1.67		41.1	30-130				
2,4-Dinitrotoluene	1.06	0.34	mg/Kg wet	1.67		63.8	40-140				
2,6-Dinitrotoluene	1.16	0.34	mg/Kg wet	1.67		69.7	40-140				
Di-n-octylphthalate	1.25	0.34	mg/Kg wet	1.67		74.8	40-140				
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.0	40-140				
Fluorene	1.15	0.17	mg/Kg wet	1.67		69.3	40-140				
Hexachlorobenzene	1.21	0.34	mg/Kg wet	1.67		72.8	40-140				
Hexachlorobutadiene	1.28	0.34	mg/Kg wet	1.67		76.6	40-140				
Hexachlorocyclopentadiene	0.846	0.34	mg/Kg wet	1.67		50.7	30-140				
Hexachloroethane	1.12	0.34	mg/Kg wet	1.67		67.0	40-140				
Indeno(1,2,3-cd)pyrene	1.39	0.17	mg/Kg wet	1.67		83.1	40-140				
Isophorone	1.17	0.34	mg/Kg wet	1.67		70.0	40-140				
2-Methylnaphthalene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140				
2-Methylphenol	1.06	0.34	mg/Kg wet	1.67		63.7	30-130				
3/4-Methylphenol	1.07	0.34	mg/Kg wet	1.67		64.1	30-130				
Naphthalene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140				
2-Nitroaniline	1.15	0.34	mg/Kg wet	1.67		68.9	40-140				
3-Nitroaniline	0.965	0.34	mg/Kg wet	1.67		57.9	40-140				†
4-Nitroaniline	1.06	0.34	mg/Kg wet	1.67		63.9	40-140				
Nitrobenzene	1.14	0.34	mg/Kg wet	1.67		68.3	40-140				
2-Nitrophenol	1.15	0.34	mg/Kg wet	1.67		69.2	30-130				
4-Nitrophenol	0.912	0.66	mg/Kg wet	1.67		54.7	10-130				
N-Nitrosodiphenylamine	1.53	0.34	mg/Kg wet	1.67		92.0	40-140				
N-Nitrosodi-n-propylamine	1.11	0.34	mg/Kg wet	1.67		66.5	40-140				
Pentachloronitrobenzene	1.25	0.34	mg/Kg wet	1.67		75.1	40-140			V-16	
Pentachlorophenol	0.755	0.34	mg/Kg wet	1.67		45.3	30-130				
Phenanthrene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140				
Phenol	1.05	0.34	mg/Kg wet	1.67		63.0	20-130				
Pyrene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140				
Pyridine	0.821	0.34	mg/Kg wet	1.67		49.2	10-140				†
1,2,4,5-Tetrachlorobenzene	1.28	0.34	mg/Kg wet	1.67		76.7	40-140				
1,2,4-Trichlorobenzene	1.13	0.34	mg/Kg wet	1.67		67.7	40-140				
2,4,5-Trichlorophenol	1.22	0.34	mg/Kg wet	1.67		72.9	30-130				
2,4,6-Trichlorophenol	1.21	0.34	mg/Kg wet	1.67		72.3	30-130				
Surrogate: 2-Fluorophenol	*5.38*		mg/Kg wet	6.67		80.8	30-130				
Surrogate: Phenol-d6	*5.17*		mg/Kg wet	6.67		77.6	30-130				
Surrogate: Nitrobenzene-d5	*2.84*		mg/Kg wet	3.33		85.2	30-130				
Surrogate: 2-Fluorobiphenyl	*2.97*		mg/Kg wet	3.33		89.2	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.66*		mg/Kg wet	6.67		100	30-130				
Surrogate: p-Terphenyl-d14	*3.03*		mg/Kg wet	3.33		90.9	30-130				
LCS Dup (B183687-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17							
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140	8.10	30		
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.1	40-140	8.57	30		
Aniline	0.701	0.34	mg/Kg wet	1.67		42.1	40-140	18.6	50		† ‡
Anthracene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140	5.70	30		
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	6.44	30		
Benzo(a)pyrene	1.11	0.17	mg/Kg wet	1.67		66.6	40-140	7.04	30		
Benzo(b)fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140	4.43	30		
Benzo(g,h,i)perylene	1.30	0.17	mg/Kg wet	1.67		78.0	40-140	3.03	30		
Benzo(k)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140	8.07	30		
Bis(2-chloroethoxy)methane	1.08	0.34	mg/Kg wet	1.67		65.1	40-140	8.95	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B183687 - SW-846 3546											
LCS Dup (B183687-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17							
Bis(2-chloroethyl)ether	1.01	0.34	mg/Kg wet	1.67		60.8	40-140	5.85	30		
Bis(2-chloroisopropyl)ether	0.955	0.34	mg/Kg wet	1.67		57.3	40-140	10.4	30		
Bis(2-Ethylhexyl)phthalate	1.31	0.34	mg/Kg wet	1.67		78.8	40-140	5.12	30		
4-Bromophenylphenylether	1.16	0.34	mg/Kg wet	1.67		69.4	40-140	6.90	30		
Butylbenzylphthalate	1.24	0.34	mg/Kg wet	1.67		74.1	40-140	5.28	30		
Carbazole	1.04	0.17	mg/Kg wet	1.67		62.3	40-140	4.86	30		
4-Chloroaniline	0.733	0.66	mg/Kg wet	1.67		44.0	40-140	9.94	30		†
4-Chloro-3-methylphenol	1.12	0.66	mg/Kg wet	1.67		67.0	30-130	6.70	30		
2-Chloronaphthalene	0.911	0.34	mg/Kg wet	1.67		54.7	40-140	3.35	30		
2-Chlorophenol	1.02	0.34	mg/Kg wet	1.67		60.9	30-130	12.6	30		
4-Chlorophenylphenylether	1.12	0.34	mg/Kg wet	1.67		67.1	40-140	9.05	30		
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	6.52	30		
Dibenz(a,h)anthracene	1.26	0.17	mg/Kg wet	1.67		75.5	40-140	4.71	30		
Dibenzofuran	1.10	0.34	mg/Kg wet	1.67		65.7	40-140	8.70	30		
Di-n-butylphthalate	1.13	0.34	mg/Kg wet	1.67		67.7	40-140	3.82	30		
3,3-Dichlorobenzidine	0.716	0.17	mg/Kg wet	1.67		43.0	40-140	4.24	30		† ‡
2,4-Dichlorophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	10.3	30		
Diethylphthalate	1.18	0.34	mg/Kg wet	1.67		70.6	40-140	6.47	30		
2,4-Dimethylphenol	1.05	0.34	mg/Kg wet	1.67		63.3	30-130	10.3	30		
Dimethylphthalate	1.10	0.34	mg/Kg wet	1.67		66.0	40-140	7.86	50		
4,6-Dinitro-2-methylphenol	0.969	0.34	mg/Kg wet	1.67		58.1	30-130	5.20	50		
2,4-Dinitrophenol	0.619	0.66	mg/Kg wet	1.67		37.1	30-130	10.2	50		
2,4-Dinitrotoluene	1.02	0.34	mg/Kg wet	1.67		61.0	40-140	4.39	30		
2,6-Dinitrotoluene	1.10	0.34	mg/Kg wet	1.67		66.1	40-140	5.21	30		
Di-n-octylphthalate	1.18	0.34	mg/Kg wet	1.67		70.9	40-140	5.30	30		
Fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.2	40-140	6.02	30		
Fluorene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	6.44	30		
Hexachlorobenzene	1.11	0.34	mg/Kg wet	1.67		66.6	40-140	8.78	30		
Hexachlorobutadiene	1.11	0.34	mg/Kg wet	1.67		66.4	40-140	14.2	30		
Hexachlorocyclopentadiene	0.759	0.34	mg/Kg wet	1.67		45.5	30-140	10.8	50		
Hexachloroethane	0.983	0.34	mg/Kg wet	1.67		59.0	40-140	12.8	50		
Indeno(1,2,3-cd)pyrene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140	4.73	50		
Indeno(1,2,3-cd)pyrene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140	4.73	30		
Isophorone	1.08	0.34	mg/Kg wet	1.67		64.9	40-140	7.59	30		
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140	10.2	30		
2-Methylphenol	0.972	0.34	mg/Kg wet	1.67		58.3	30-130	8.76	30		
3/4-Methylphenol	0.973	0.34	mg/Kg wet	1.67		58.4	30-130	9.31	30		
Naphthalene	1.02	0.17	mg/Kg wet	1.67		60.9	40-140	11.2	30		
2-Nitroaniline	1.11	0.34	mg/Kg wet	1.67		66.4	40-140	3.70	30		
3-Nitroaniline	0.906	0.34	mg/Kg wet	1.67		54.3	40-140	6.31	30		†
4-Nitroaniline	1.01	0.34	mg/Kg wet	1.67		60.4	40-140	5.50	30		
Nitrobenzene	1.04	0.34	mg/Kg wet	1.67		62.5	40-140	8.93	30		
2-Nitrophenol	1.02	0.34	mg/Kg wet	1.67		61.3	30-130	12.1	30		
4-Nitrophenol	0.869	0.66	mg/Kg wet	1.67		52.2	10-130	4.79	50		‡
N-Nitrosodiphenylamine	1.46	0.34	mg/Kg wet	1.67		87.3	40-140	5.20	30		
N-Nitrosodi-n-propylamine	1.02	0.34	mg/Kg wet	1.67		61.1	40-140	8.52	30		
Pentachloronitrobenzene	1.19	0.34	mg/Kg wet	1.67		71.5	40-140	4.80	30	V-16	
Pentachlorophenol	0.745	0.34	mg/Kg wet	1.67		44.7	30-130	1.29	50		
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		63.9	40-140	4.97	30		
Phenol	0.946	0.34	mg/Kg wet	1.67		56.8	20-130	10.5	30		
Pyrene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	5.31	30		
Pyridine	0.750	0.34	mg/Kg wet	1.67		45.0	10-140	9.04	50		†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183687 - SW-846 3546											
LCS Dup (B183687-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17							
1,2,4,5-Tetrachlorobenzene	1.13	0.34	mg/Kg wet	1.67		68.1		40-140	11.9	30	
1,2,4-Trichlorobenzene	0.998	0.34	mg/Kg wet	1.67		59.9		40-140	12.3	30	
2,4,5-Trichlorophenol	1.10	0.34	mg/Kg wet	1.67		66.0		30-130	9.96	30	
2,4,6-Trichlorophenol	1.09	0.34	mg/Kg wet	1.67		65.6		30-130	9.74	50	
Surrogate: 2-Fluorophenol	*4.62*		mg/Kg wet	6.67		69.3		30-130			
Surrogate: Phenol-d6	*4.58*		mg/Kg wet	6.67		68.7		30-130			
Surrogate: Nitrobenzene-d5	*2.54*		mg/Kg wet	3.33		76.1		30-130			
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.33		79.3		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.09*		mg/Kg wet	6.67		91.4		30-130			
Surrogate: p-Terphenyl-d14	*2.79*		mg/Kg wet	3.33		83.8		30-130			
Matrix Spike (B183687-MS1)		**Source: 17H0058-09**		Prepared: 08/09/17 Analyzed: 08/10/17							
Acenaphthene	1.22	0.19	mg/Kg dry	1.83	ND	66.6		40-140			
Acenaphthylene	1.21	0.19	mg/Kg dry	1.83	ND	66.5		40-140			
Aniline	0.729	0.37	mg/Kg dry	1.83	ND	**39.9**	*	40-140			MS-22
Anthracene	1.23	0.19	mg/Kg dry	1.83	ND	67.1		40-140			
Benzo(a)anthracene	1.31	0.19	mg/Kg dry	1.83	ND	71.5		40-140			
Benzo(a)pyrene	1.29	0.19	mg/Kg dry	1.83	ND	70.6		40-140			
Benzo(b)fluoranthene	1.23	0.19	mg/Kg dry	1.83	0.0724	63.6		40-140			
Benzo(g,h,i)perylene	1.36	0.19	mg/Kg dry	1.83	ND	74.6		40-140			
Benzo(k)fluoranthene	1.22	0.19	mg/Kg dry	1.83	ND	66.8		40-140			
Bis(2-chloroethoxy)methane	1.19	0.37	mg/Kg dry	1.83	ND	65.2		40-140			
Bis(2-chloroethyl)ether	1.05	0.37	mg/Kg dry	1.83	ND	57.4		40-140			
Bis(2-chloroisopropyl)ether	0.987	0.37	mg/Kg dry	1.83	ND	54.0		40-140			
Bis(2-Ethylhexyl)phthalate	1.55	0.37	mg/Kg dry	1.83	ND	84.8		40-140			
4-Bromophenylphenylether	1.28	0.37	mg/Kg dry	1.83	ND	70.0		40-140			
Butylbenzylphthalate	1.53	0.37	mg/Kg dry	1.83	ND	83.8		40-140			
Carbazole	1.23	0.19	mg/Kg dry	1.83	ND	67.1		40-140			
4-Chloroaniline	0.827	0.72	mg/Kg dry	1.83	ND	45.2		40-140			
4-Chloro-3-methylphenol	1.22	0.72	mg/Kg dry	1.83	ND	66.9		30-130			
2-Chloronaphthalene	1.00	0.37	mg/Kg dry	1.83	ND	54.8		40-140			
2-Chlorophenol	1.10	0.37	mg/Kg dry	1.83	ND	60.3		30-130			
4-Chlorophenylphenylether	1.32	0.37	mg/Kg dry	1.83	ND	72.1		40-140			
Chrysene	1.27	0.19	mg/Kg dry	1.83	ND	69.5		40-140			
Dibenz(a,h)anthracene	1.31	0.19	mg/Kg dry	1.83	ND	71.6		40-140			
Dibenzofuran	1.27	0.37	mg/Kg dry	1.83	ND	69.7		40-140			
Di-n-butylphthalate	1.24	0.37	mg/Kg dry	1.83	ND	67.6		40-140			
3,3-Dichlorobenzidine	0.886	0.19	mg/Kg dry	1.83	ND	48.5		40-140			
2,4-Dichlorophenol	1.23	0.37	mg/Kg dry	1.83	ND	67.4		30-130			
Diethylphthalate	1.38	0.37	mg/Kg dry	1.83	ND	75.3		40-140			
2,4-Dimethylphenol	1.19	0.37	mg/Kg dry	1.83	ND	65.0		30-130			
Dimethylphthalate	1.31	0.37	mg/Kg dry	1.83	ND	71.7		40-140			
4,6-Dinitro-2-methylphenol	1.04	0.37	mg/Kg dry	1.83	ND	56.8		30-130			
2,4-Dinitrophenol	0.875	0.72	mg/Kg dry	1.83	ND	47.9		30-130			
2,4-Dinitrotoluene	1.20	0.37	mg/Kg dry	1.83	ND	65.5		40-140			
2,6-Dinitrotoluene	1.28	0.37	mg/Kg dry	1.83	ND	70.0		40-140			
Di-n-octylphthalate	1.49	0.37	mg/Kg dry	1.83	ND	81.6		40-140			
Fluoranthene	1.29	0.19	mg/Kg dry	1.83	ND	70.4		40-140			
Fluorene	1.25	0.19	mg/Kg dry	1.83	ND	68.6		40-140			
Hexachlorobenzene	1.26	0.37	mg/Kg dry	1.83	ND	68.9		40-140			
Hexachlorobutadiene	1.34	0.37	mg/Kg dry	1.83	ND	73.3		40-140			
Hexachlorocyclopentadiene	0.736	0.37	mg/Kg dry	1.83	ND	40.3		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183687 - SW-846 3546											
Matrix Spike (B183687-MS1)		**Source: 17H0058-09**		Prepared: 08/09/17 Analyzed: 08/10/17							
Hexachloroethane	1.06	0.37	mg/Kg dry	1.83	ND	58.0		40-140			
Indeno(1,2,3-cd)pyrene	1.15	0.19	mg/Kg dry	1.83	ND	63.1		40-140			
Isophorone	1.21	0.37	mg/Kg dry	1.83	ND	66.1		40-140			
2-Methylnaphthalene	1.20	0.19	mg/Kg dry	1.83	ND	65.6		40-140			
2-Methylphenol	0.967	0.37	mg/Kg dry	1.83	ND	52.9		30-130			
3/4-Methylphenol	1.05	0.37	mg/Kg dry	1.83	ND	57.6		30-130			
Naphthalene	1.16	0.19	mg/Kg dry	1.83	ND	63.7		40-140			
2-Nitroaniline	1.22	0.37	mg/Kg dry	1.83	ND	66.9		40-140			
3-Nitroaniline	1.06	0.37	mg/Kg dry	1.83	ND	58.0		40-140			
4-Nitroaniline	1.25	0.37	mg/Kg dry	1.83	ND	68.3		40-140			
Nitrobenzene	1.15	0.37	mg/Kg dry	1.83	ND	63.0		40-140			
2-Nitrophenol	1.18	0.37	mg/Kg dry	1.83	ND	64.6		30-130			
4-Nitrophenol	1.10	0.72	mg/Kg dry	1.83	ND	60.5		30-130			
N-Nitrosodiphenylamine	1.60	0.37	mg/Kg dry	1.83	ND	87.7		40-140			
N-Nitrosodi-n-propylamine	1.04	0.37	mg/Kg dry	1.83	ND	57.2		40-140			
Pentachloronitrobenzene	1.37	0.37	mg/Kg dry	1.83	ND	74.7		40-140			V-16
Pentachlorophenol	0.804	0.37	mg/Kg dry	1.83	ND	44.0		30-130			
Phenanthrene	1.23	0.19	mg/Kg dry	1.83	ND	67.3		40-140			
Phenol	1.01	0.37	mg/Kg dry	1.83	ND	55.4		30-130			
Pyrene	1.44	0.19	mg/Kg dry	1.83	ND	78.6		40-140			
Pyridine	0.722	0.37	mg/Kg dry	1.83	ND	**39.5**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	1.37	0.37	mg/Kg dry	1.83	ND	75.0		40-140			
1,2,4-Trichlorobenzene	1.18	0.37	mg/Kg dry	1.83	ND	64.8		40-140			
2,4,5-Trichlorophenol	1.28	0.37	mg/Kg dry	1.83	ND	70.0		30-130			
2,4,6-Trichlorophenol	1.27	0.37	mg/Kg dry	1.83	ND	69.7		30-130			
Surrogate: 2-Fluorophenol	*4.99*		mg/Kg dry	7.31		68.2		30-130			
Surrogate: Phenol-d6	*4.87*		mg/Kg dry	7.31		66.6		30-130			
Surrogate: Nitrobenzene-d5	*2.85*		mg/Kg dry	3.65		78.0		30-130			
Surrogate: 2-Fluorobiphenyl	*3.12*		mg/Kg dry	3.65		85.3		30-130			
Surrogate: 2,4,6-Tribromophenol	*7.03*		mg/Kg dry	7.31		96.2		30-130			
Surrogate: p-Terphenyl-d14	*3.65*		mg/Kg dry	3.65		99.8		30-130			
Matrix Spike (B183687-MS2)		**Source: 17H0058-11**		Prepared: 08/09/17 Analyzed: 08/10/17							
Acenaphthene	1.17	0.18	mg/Kg dry	1.75	ND	66.8		40-140			
Acenaphthylene	1.18	0.18	mg/Kg dry	1.75	ND	67.0		40-140			
Aniline	0.693	0.36	mg/Kg dry	1.75	ND	**39.5**	*	40-140			MS-09
Anthracene	1.21	0.18	mg/Kg dry	1.75	ND	69.0		40-140			
Benzo(a)anthracene	1.40	0.18	mg/Kg dry	1.75	0.160	70.5		40-140			
Benzo(a)pyrene	1.38	0.18	mg/Kg dry	1.75	0.166	69.4		40-140			
Benzo(b)fluoranthene	1.37	0.18	mg/Kg dry	1.75	0.220	65.5		40-140			
Benzo(g,h,i)perylene	1.47	0.18	mg/Kg dry	1.75	0.143	75.5		40-140			
Benzo(k)fluoranthene	1.27	0.18	mg/Kg dry	1.75	0.0800	67.6		40-140			
Bis(2-chloroethoxy)methane	1.11	0.36	mg/Kg dry	1.75	ND	63.2		40-140			
Bis(2-chloroethyl)ether	0.963	0.36	mg/Kg dry	1.75	ND	54.9		40-140			
Bis(2-chloroisopropyl)ether	0.886	0.36	mg/Kg dry	1.75	ND	50.5		40-140			
Bis(2-Ethylhexyl)phthalate	1.50	0.36	mg/Kg dry	1.75	ND	85.3		40-140			
4-Bromophenylphenylether	1.25	0.36	mg/Kg dry	1.75	ND	71.0		40-140			
Butylbenzylphthalate	1.52	0.36	mg/Kg dry	1.75	ND	86.6		40-140			
Carbazole	1.22	0.18	mg/Kg dry	1.75	ND	69.4		40-140			
4-Chloroaniline	0.857	0.69	mg/Kg dry	1.75	ND	48.9		40-140			
4-Chloro-3-methylphenol	1.18	0.69	mg/Kg dry	1.75	ND	67.0		30-130			
2-Chloronaphthalene	0.982	0.36	mg/Kg dry	1.75	ND	56.0		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183687 - SW-846 3546											
Matrix Spike (B183687-MS2)		**Source: 17H0058-11**		Prepared: 08/09/17 Analyzed: 08/10/17							
2-Chlorophenol	1.05	0.36	mg/Kg dry	1.75	ND	60.1		30-130			
4-Chlorophenylphenylether	1.25	0.36	mg/Kg dry	1.75	ND	71.1		40-140			
Chrysene	1.38	0.18	mg/Kg dry	1.75	0.179	68.5		40-140			
Dibenz(a,h)anthracene	1.31	0.18	mg/Kg dry	1.75	ND	74.4		40-140			
Dibenzofuran	1.25	0.36	mg/Kg dry	1.75	ND	71.4		40-140			
Di-n-butylphthalate	1.17	0.36	mg/Kg dry	1.75	ND	66.9		40-140			
3,3-Dichlorobenzidine	0.920	0.18	mg/Kg dry	1.75	ND	52.4		40-140			
2,4-Dichlorophenol	1.19	0.36	mg/Kg dry	1.75	ND	67.8		30-130			
Diethylphthalate	1.30	0.36	mg/Kg dry	1.75	ND	74.1		40-140			
2,4-Dimethylphenol	1.13	0.36	mg/Kg dry	1.75	ND	64.2		30-130			
Dimethylphthalate	1.26	0.36	mg/Kg dry	1.75	ND	71.7		40-140			
4,6-Dinitro-2-methylphenol	0.949	0.36	mg/Kg dry	1.75	ND	54.1		30-130			
2,4-Dinitrophenol	0.736	0.69	mg/Kg dry	1.75	ND	42.0		30-130			
2,4-Dinitrotoluene	1.16	0.36	mg/Kg dry	1.75	ND	66.1		40-140			
2,6-Dinitrotoluene	1.22	0.36	mg/Kg dry	1.75	ND	69.5		40-140			
Di-n-octylphthalate	1.38	0.36	mg/Kg dry	1.75	ND	78.5		40-140			
Fluoranthene	1.52	0.18	mg/Kg dry	1.75	0.275	70.8		40-140			
Fluorene	1.24	0.18	mg/Kg dry	1.75	ND	70.9		40-140			
Hexachlorobenzene	1.24	0.36	mg/Kg dry	1.75	ND	70.6		40-140			
Hexachlorobutadiene	1.29	0.36	mg/Kg dry	1.75	ND	73.7		40-140			
Hexachlorocyclopentadiene	0.682	0.36	mg/Kg dry	1.75	ND	**38.9**	*	40-140			MS-09
Hexachloroethane	0.967	0.36	mg/Kg dry	1.75	ND	55.1		40-140			
Indeno(1,2,3-cd)pyrene	1.32	0.18	mg/Kg dry	1.75	ND	75.3		40-140			
Isophorone	1.12	0.36	mg/Kg dry	1.75	ND	63.7		40-140			
2-Methylnaphthalene	1.16	0.18	mg/Kg dry	1.75	ND	66.3		40-140			
2-Methylphenol	0.959	0.36	mg/Kg dry	1.75	ND	54.7		30-130			
3/4-Methylphenol	1.01	0.36	mg/Kg dry	1.75	ND	57.5		30-130			
Naphthalene	1.14	0.18	mg/Kg dry	1.75	ND	65.0		40-140			
2-Nitroaniline	1.16	0.36	mg/Kg dry	1.75	ND	66.2		40-140			
3-Nitroaniline	1.08	0.36	mg/Kg dry	1.75	ND	61.8		40-140			
4-Nitroaniline	1.20	0.36	mg/Kg dry	1.75	ND	68.4		40-140			
Nitrobenzene	1.07	0.36	mg/Kg dry	1.75	ND	61.3		40-140			
2-Nitrophenol	1.11	0.36	mg/Kg dry	1.75	ND	63.4		30-130			
4-Nitrophenol	1.05	0.69	mg/Kg dry	1.75	ND	59.6		30-130			
N-Nitrosodiphenylamine	1.55	0.36	mg/Kg dry	1.75	ND	88.5		40-140			
N-Nitrosodi-n-propylamine	0.975	0.36	mg/Kg dry	1.75	ND	55.6		40-140			
Pentachloronitrobenzene	1.38	0.36	mg/Kg dry	1.75	ND	78.4		40-140			V-16
Pentachlorophenol	0.666	0.36	mg/Kg dry	1.75	ND	37.9		30-130			
Phenanthrene	1.38	0.18	mg/Kg dry	1.75	0.102	72.8		40-140			
Phenol	0.942	0.36	mg/Kg dry	1.75	ND	53.7		30-130			
Pyrene	1.86	0.18	mg/Kg dry	1.75	0.308	88.6		40-140			
Pyridine	0.661	0.36	mg/Kg dry	1.75	ND	**37.7**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	1.32	0.36	mg/Kg dry	1.75	ND	75.1		40-140			
1,2,4-Trichlorobenzene	1.11	0.36	mg/Kg dry	1.75	ND	63.2		40-140			
2,4,5-Trichlorophenol	1.23	0.36	mg/Kg dry	1.75	ND	70.2		30-130			
2,4,6-Trichlorophenol	1.23	0.36	mg/Kg dry	1.75	ND	70.0		30-130			
Surrogate: 2-Fluorophenol	*4.66*		mg/Kg dry	7.02		66.5		30-130			
Surrogate: Phenol-d6	*4.62*		mg/Kg dry	7.02		65.8		30-130			
Surrogate: Nitrobenzene-d5	*2.63*		mg/Kg dry	3.51		74.9		30-130			
Surrogate: 2-Fluorobiphenyl	*2.97*		mg/Kg dry	3.51		84.6		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.96*		mg/Kg dry	7.02		99.2		30-130			
Surrogate: p-Terphenyl-d14	*3.76*		mg/Kg dry	3.51		107		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183687 - SW-846 3546										
Matrix Spike Dup (B183687-MSD1)		**Source: 17H0058-09**		Prepared: 08/09/17 Analyzed: 08/10/17						
Acenaphthene	1.17	0.19	mg/Kg dry	1.83	ND	64.0	40-140	4.07	30	
Acenaphthylene	1.17	0.19	mg/Kg dry	1.83	ND	64.0	40-140	3.74	30	
Aniline	0.782	0.37	mg/Kg dry	1.83	ND	42.8	40-140	7.06	30	
Anthracene	1.17	0.19	mg/Kg dry	1.83	ND	64.1	40-140	4.66	30	
Benzo(a)anthracene	1.23	0.19	mg/Kg dry	1.83	ND	67.3	40-140	6.05	30	
Benzo(a)pyrene	1.26	0.19	mg/Kg dry	1.83	ND	68.9	40-140	2.44	30	
Benzo(b)fluoranthene	1.14	0.19	mg/Kg dry	1.83	0.0724	58.3	40-140	8.10	30	
Benzo(g,h,i)perylene	1.32	0.19	mg/Kg dry	1.83	ND	72.0	40-140	3.52	30	
Benzo(k)fluoranthene	1.19	0.19	mg/Kg dry	1.83	ND	65.2	40-140	2.48	30	
Bis(2-chloroethoxy)methane	1.17	0.37	mg/Kg dry	1.83	ND	63.8	40-140	2.11	30	
Bis(2-chloroethyl)ether	1.05	0.37	mg/Kg dry	1.83	ND	57.5	40-140	0.278	30	
Bis(2-chloroisopropyl)ether	0.986	0.37	mg/Kg dry	1.83	ND	53.9	40-140	0.148	30	
Bis(2-Ethylhexyl)phthalate	1.48	0.37	mg/Kg dry	1.83	ND	80.8	40-140	4.81	30	
4-Bromophenylphenylether	1.22	0.37	mg/Kg dry	1.83	ND	67.0	40-140	4.38	30	
Butylbenzylphthalate	1.46	0.37	mg/Kg dry	1.83	ND	79.9	40-140	4.81	30	
Carbazole	1.18	0.19	mg/Kg dry	1.83	ND	64.5	40-140	4.04	30	
4-Chloroaniline	0.849	0.72	mg/Kg dry	1.83	ND	46.5	40-140	2.66	30	
4-Chloro-3-methylphenol	1.20	0.72	mg/Kg dry	1.83	ND	65.5	30-130	2.14	30	
2-Chloronaphthalene	0.980	0.37	mg/Kg dry	1.83	ND	53.6	40-140	2.25	30	
2-Chlorophenol	1.10	0.37	mg/Kg dry	1.83	ND	60.4	30-130	0.166	30	
4-Chlorophenylphenylether	1.25	0.37	mg/Kg dry	1.83	ND	68.4	40-140	5.27	30	
Chrysene	1.21	0.19	mg/Kg dry	1.83	ND	66.2	40-140	4.86	30	
Dibenz(a,h)anthracene	1.28	0.19	mg/Kg dry	1.83	ND	70.2	40-140	2.00	30	
Dibenzofuran	1.22	0.37	mg/Kg dry	1.83	ND	66.6	40-140	4.61	30	
Di-n-butylphthalate	1.19	0.37	mg/Kg dry	1.83	ND	65.1	40-140	3.80	30	
3,3-Dichlorobenzidine	0.938	0.19	mg/Kg dry	1.83	ND	51.3	40-140	5.69	30	
2,4-Dichlorophenol	1.21	0.37	mg/Kg dry	1.83	ND	66.4	30-130	1.50	30	
Diethylphthalate	1.32	0.37	mg/Kg dry	1.83	ND	72.0	40-140	4.40	30	
2,4-Dimethylphenol	1.16	0.37	mg/Kg dry	1.83	ND	63.4	30-130	2.46	30	
Dimethylphthalate	1.26	0.37	mg/Kg dry	1.83	ND	68.7	40-140	4.30	30	
4,6-Dinitro-2-methylphenol	0.966	0.37	mg/Kg dry	1.83	ND	52.9	30-130	7.22	30	
2,4-Dinitrophenol	0.860	0.72	mg/Kg dry	1.83	ND	47.0	30-130	1.81	30	
2,4-Dinitrotoluene	1.14	0.37	mg/Kg dry	1.83	ND	62.4	40-140	4.88	30	
2,6-Dinitrotoluene	1.18	0.37	mg/Kg dry	1.83	ND	64.6	40-140	7.96	30	
Di-n-octylphthalate	1.44	0.37	mg/Kg dry	1.83	ND	78.9	40-140	3.36	30	
Fluoranthene	1.22	0.19	mg/Kg dry	1.83	ND	66.6	40-140	5.58	30	
Fluorene	1.22	0.19	mg/Kg dry	1.83	ND	66.5	40-140	3.17	30	
Hexachlorobenzene	1.21	0.37	mg/Kg dry	1.83	ND	66.4	40-140	3.75	30	
Hexachlorobutadiene	1.33	0.37	mg/Kg dry	1.83	ND	72.6	40-140	0.933	30	
Hexachlorocyclopentadiene	0.743	0.37	mg/Kg dry	1.83	ND	40.7	40-140	0.939	30	
Hexachloroethane	1.07	0.37	mg/Kg dry	1.83	ND	58.7	40-140	1.20	30	
Indeno(1,2,3-cd)pyrene	1.20	0.19	mg/Kg dry	1.83	ND	65.4	40-140	3.55	30	
Isophorone	1.18	0.37	mg/Kg dry	1.83	ND	64.8	40-140	2.05	30	
2-Methylnaphthalene	1.17	0.19	mg/Kg dry	1.83	ND	64.1	40-140	2.31	30	
2-Methylphenol	0.988	0.37	mg/Kg dry	1.83	ND	54.0	30-130	2.09	30	
3/4-Methylphenol	1.04	0.37	mg/Kg dry	1.83	ND	57.1	30-130	0.837	30	
Naphthalene	1.12	0.19	mg/Kg dry	1.83	ND	61.5	40-140	3.55	30	
2-Nitroaniline	1.19	0.37	mg/Kg dry	1.83	ND	64.9	40-140	3.09	30	
3-Nitroaniline	1.09	0.37	mg/Kg dry	1.83	ND	59.4	40-140	2.49	30	
4-Nitroaniline	1.14	0.37	mg/Kg dry	1.83	ND	62.5	40-140	8.84	30	
Nitrobenzene	1.14	0.37	mg/Kg dry	1.83	ND	62.6	40-140	0.701	30	
2-Nitrophenol	1.16	0.37	mg/Kg dry	1.83	ND	63.6	30-130	1.44	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183687 - SW-846 3546											
Matrix Spike Dup (B183687-MSD1)		**Source: 17H0058-09**		Prepared: 08/09/17 Analyzed: 08/10/17							
4-Nitrophenol	1.06	0.72	mg/Kg dry	1.83	ND	58.2		30-130	3.81	30	
N-Nitrosodiphenylamine	1.54	0.37	mg/Kg dry	1.83	ND	84.2		40-140	4.03	30	
N-Nitrosodi-n-propylamine	1.04	0.37	mg/Kg dry	1.83	ND	57.2		40-140	0.0349	30	
Pentachloronitrobenzene	1.30	0.37	mg/Kg dry	1.83	ND	71.1		40-140	5.05	30	V-16
Pentachlorophenol	0.770	0.37	mg/Kg dry	1.83	ND	42.1		30-130	4.27	30	
Phenanthrene	1.18	0.19	mg/Kg dry	1.83	ND	64.5		40-140	4.37	30	
Phenol	0.993	0.37	mg/Kg dry	1.83	ND	54.3		30-130	1.97	30	
Pyrene	1.39	0.19	mg/Kg dry	1.83	ND	76.1		40-140	3.23	30	
Pyridine	0.716	0.37	mg/Kg dry	1.83	ND	**39.2**	*	40-140	0.813	30	MS-09
1,2,4,5-Tetrachlorobenzene	1.32	0.37	mg/Kg dry	1.83	ND	72.4		40-140	3.53	30	
1,2,4-Trichlorobenzene	1.15	0.37	mg/Kg dry	1.83	ND	62.7		40-140	3.26	30	
2,4,5-Trichlorophenol	1.21	0.37	mg/Kg dry	1.83	ND	66.5		30-130	5.10	30	
2,4,6-Trichlorophenol	1.24	0.37	mg/Kg dry	1.83	ND	67.9		30-130	2.62	30	
Surrogate: 2-Fluorophenol	*4.95*		mg/Kg dry	7.31		67.7		30-130			
Surrogate: Phenol-d6	*4.81*		mg/Kg dry	7.31		65.8		30-130			
Surrogate: Nitrobenzene-d5	*2.76*		mg/Kg dry	3.65		75.5		30-130			
Surrogate: 2-Fluorobiphenyl	*2.96*		mg/Kg dry	3.65		81.0		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.65*		mg/Kg dry	7.31		91.0		30-130			
Surrogate: p-Terphenyl-d14	*3.47*		mg/Kg dry	3.65		94.9		30-130			
Matrix Spike Dup (B183687-MSD2)		**Source: 17H0058-11**		Prepared: 08/09/17 Analyzed: 08/10/17							
Acenaphthene	1.13	0.18	mg/Kg dry	1.75	ND	64.1		40-140	4.12	30	
Acenaphthylene	1.14	0.18	mg/Kg dry	1.75	ND	64.7		40-140	3.40	30	
Aniline	0.597	0.36	mg/Kg dry	1.75	ND	**34.0**	*	40-140	14.9	30	MS-09
Anthracene	1.12	0.18	mg/Kg dry	1.75	ND	63.8		40-140	7.89	30	
Benzo(a)anthracene	1.28	0.18	mg/Kg dry	1.75	0.160	63.6		40-140	9.06	30	
Benzo(a)pyrene	1.25	0.18	mg/Kg dry	1.75	0.166	61.9		40-140	10.0	30	
Benzo(b)fluoranthene	1.13	0.18	mg/Kg dry	1.75	0.220	52.0		40-140	19.0	30	
Benzo(g,h,i)perylene	1.29	0.18	mg/Kg dry	1.75	0.143	65.1		40-140	13.2	30	
Benzo(k)fluoranthene	1.16	0.18	mg/Kg dry	1.75	0.0800	61.4		40-140	8.92	30	
Bis(2-chloroethoxy)methane	1.14	0.36	mg/Kg dry	1.75	ND	65.1		40-140	3.02	30	
Bis(2-chloroethyl)ether	1.05	0.36	mg/Kg dry	1.75	ND	59.8		40-140	8.65	30	
Bis(2-chloroisopropyl)ether	0.956	0.36	mg/Kg dry	1.75	ND	54.5		40-140	7.62	30	
Bis(2-Ethylhexyl)phthalate	1.49	0.36	mg/Kg dry	1.75	ND	85.1		40-140	0.258	30	
4-Bromophenylphenylether	1.15	0.36	mg/Kg dry	1.75	ND	65.7		40-140	7.70	30	
Butylbenzylphthalate	1.54	0.36	mg/Kg dry	1.75	ND	87.9		40-140	1.49	30	
Carbazole	1.12	0.18	mg/Kg dry	1.75	ND	63.7		40-140	8.56	30	
4-Chloroaniline	0.781	0.69	mg/Kg dry	1.75	ND	44.5		40-140	9.34	30	
4-Chloro-3-methylphenol	1.16	0.69	mg/Kg dry	1.75	ND	66.3		30-130	1.08	30	
2-Chloronaphthalene	0.952	0.36	mg/Kg dry	1.75	ND	54.3		40-140	3.08	30	
2-Chlorophenol	1.03	0.36	mg/Kg dry	1.75	ND	58.8		30-130	2.22	30	
4-Chlorophenylphenylether	1.19	0.36	mg/Kg dry	1.75	ND	67.6		40-140	5.02	30	
Chrysene	1.27	0.18	mg/Kg dry	1.75	0.179	62.0		40-140	8.53	30	
Dibenz(a,h)anthracene	1.20	0.18	mg/Kg dry	1.75	ND	68.7		40-140	8.05	30	
Dibenzofuran	1.18	0.36	mg/Kg dry	1.75	ND	67.5		40-140	5.56	30	
Di-n-butylphthalate	1.12	0.36	mg/Kg dry	1.75	ND	64.1		40-140	4.30	30	
3,3-Dichlorobenzidine	0.848	0.18	mg/Kg dry	1.75	ND	48.4		40-140	8.10	30	
2,4-Dichlorophenol	1.12	0.36	mg/Kg dry	1.75	ND	63.9		30-130	5.89	30	
Diethylphthalate	1.25	0.36	mg/Kg dry	1.75	ND	71.4		40-140	3.77	30	
2,4-Dimethylphenol	1.14	0.36	mg/Kg dry	1.75	ND	64.9		30-130	1.05	30	
Dimethylphthalate	1.20	0.36	mg/Kg dry	1.75	ND	68.3		40-140	4.86	30	
4,6-Dinitro-2-methylphenol	0.853	0.36	mg/Kg dry	1.75	ND	48.6		30-130	10.7	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183687 - SW-846 3546											
Matrix Spike Dup (B183687-MSD2)		**Source: 17H0058-11**		Prepared: 08/09/17 Analyzed: 08/10/17							
2,4-Dinitrophenol	0.675	0.69	mg/Kg dry	1.75	ND	38.5		30-130	8.75	30	
2,4-Dinitrotoluene	1.11	0.36	mg/Kg dry	1.75	ND	63.3		40-140	4.39	30	
2,6-Dinitrotoluene	1.17	0.36	mg/Kg dry	1.75	ND	66.6		40-140	4.29	30	
Di-n-octylphthalate	1.33	0.36	mg/Kg dry	1.75	ND	76.1		40-140	3.11	30	
Fluoranthene	1.31	0.18	mg/Kg dry	1.75	0.275	59.2		40-140	14.4	30	
Fluorene	1.16	0.18	mg/Kg dry	1.75	ND	66.4		40-140	6.53	30	
Hexachlorobenzene	1.11	0.36	mg/Kg dry	1.75	ND	63.1		40-140	11.3	30	
Hexachlorobutadiene	1.22	0.36	mg/Kg dry	1.75	ND	69.6		40-140	5.75	30	
Hexachlorocyclopentadiene	0.644	0.36	mg/Kg dry	1.75	ND	**36.7**	*	40-140	5.66	30	MS-09
Hexachloroethane	0.984	0.36	mg/Kg dry	1.75	ND	56.1		40-140	1.65	30	
Indeno(1,2,3-cd)pyrene	1.19	0.18	mg/Kg dry	1.75	ND	68.1		40-140	10.1	30	
Isophorone	1.15	0.36	mg/Kg dry	1.75	ND	65.5		40-140	2.78	30	
2-Methylnaphthalene	1.14	0.18	mg/Kg dry	1.75	ND	65.1		40-140	1.80	30	
2-Methylphenol	0.937	0.36	mg/Kg dry	1.75	ND	53.4		30-130	2.33	30	
3/4-Methylphenol	1.00	0.36	mg/Kg dry	1.75	ND	57.2		30-130	0.593	30	
Naphthalene	1.11	0.18	mg/Kg dry	1.75	ND	63.4		40-140	2.46	30	
2-Nitroaniline	1.19	0.36	mg/Kg dry	1.75	ND	68.0		40-140	2.59	30	
3-Nitroaniline	1.05	0.36	mg/Kg dry	1.75	ND	60.1		40-140	2.82	30	
4-Nitroaniline	1.18	0.36	mg/Kg dry	1.75	ND	67.3		40-140	1.56	30	
Nitrobenzene	1.12	0.36	mg/Kg dry	1.75	ND	63.6		40-140	3.75	30	
2-Nitrophenol	1.09	0.36	mg/Kg dry	1.75	ND	62.3		30-130	1.69	30	
4-Nitrophenol	1.08	0.69	mg/Kg dry	1.75	ND	61.8		30-130	3.66	30	
N-Nitrosodiphenylamine	1.46	0.36	mg/Kg dry	1.75	ND	83.0		40-140	6.37	30	
N-Nitrosodi-n-propylamine	1.00	0.36	mg/Kg dry	1.75	ND	57.2		40-140	2.80	30	
Pentachloronitrobenzene	1.18	0.36	mg/Kg dry	1.75	ND	67.4		40-140	15.0	30	V-16
Pentachlorophenol	0.562	0.36	mg/Kg dry	1.75	ND	32.1		30-130	16.8	30	
Phenanthrene	1.18	0.18	mg/Kg dry	1.75	0.102	61.5		40-140	15.5	30	
Phenol	0.969	0.36	mg/Kg dry	1.75	ND	55.3		30-130	2.83	30	
Pyrene	1.74	0.18	mg/Kg dry	1.75	0.308	81.6		40-140	6.82	30	
Pyridine	0.657	0.36	mg/Kg dry	1.75	ND	**37.4**	*	40-140	0.639	30	MS-09
1,2,4,5-Tetrachlorobenzene	1.25	0.36	mg/Kg dry	1.75	ND	71.1		40-140	5.50	30	
1,2,4-Trichlorobenzene	1.07	0.36	mg/Kg dry	1.75	ND	61.2		40-140	3.31	30	
2,4,5-Trichlorophenol	1.16	0.36	mg/Kg dry	1.75	ND	66.3		30-130	5.66	30	
2,4,6-Trichlorophenol	1.16	0.36	mg/Kg dry	1.75	ND	65.9		30-130	6.06	30	
Surrogate: 2-Fluorophenol	*4.67*		mg/Kg dry	7.02		66.6		30-130			
Surrogate: Phenol-d6	*4.62*		mg/Kg dry	7.02		65.8		30-130			
Surrogate: Nitrobenzene-d5	*2.72*		mg/Kg dry	3.51		77.6		30-130			
Surrogate: 2-Fluorobiphenyl	*2.85*		mg/Kg dry	3.51		81.2		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.29*		mg/Kg dry	7.02		89.6		30-130			
Surrogate: p-Terphenyl-d14	*3.65*		mg/Kg dry	3.51		104		30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184001 - SW-846 3540C										
Blank (B184001-BLK1)				Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg wet	0.200		91.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.189*		mg/Kg wet	0.200		94.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.185*		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.198*		mg/Kg wet	0.200		99.0	30-150			
LCS (B184001-BS1)				Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		81.9	40-140			
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.9	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		69.5	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		69.1	40-140			
Surrogate: Decachlorobiphenyl	*0.156*		mg/Kg wet	0.200		78.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.162*		mg/Kg wet	0.200		81.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg wet	0.200		92.0	30-150			
LCS Dup (B184001-BSD1)				Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		99.9	40-140	19.8	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140	18.1	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		87.7	40-140	23.1	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		87.8	40-140	23.8	30	
Surrogate: Decachlorobiphenyl	*0.193*		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.202*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.207*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.221*		mg/Kg wet	0.200		111	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184001 - SW-846 3540C										
Matrix Spike (B184001-MS1)		**Source: 17H0058-09**		Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.20	0.11	mg/Kg dry	0.219	ND	92.0	40-140			
Aroclor-1016 [2C]	0.23	0.11	mg/Kg dry	0.219	ND	106	40-140			
Aroclor-1260	0.17	0.11	mg/Kg dry	0.219	ND	78.9	40-140			
Aroclor-1260 [2C]	0.20	0.11	mg/Kg dry	0.219	ND	91.9	40-140			
Surrogate: Decachlorobiphenyl	*0.163*		mg/Kg dry	0.219		74.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.181*		mg/Kg dry	0.219		82.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.189*		mg/Kg dry	0.219		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.211*		mg/Kg dry	0.219		96.3	30-150			
Matrix Spike (B184001-MS2)		**Source: 17H0058-11**		Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.21	0.10	mg/Kg dry	0.208	ND	98.8	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg dry	0.208	ND	107	40-140			
Aroclor-1260	0.18	0.10	mg/Kg dry	0.208	ND	85.9	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg dry	0.208	ND	96.4	40-140			
Surrogate: Decachlorobiphenyl	*0.153*		mg/Kg dry	0.208		73.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.170*		mg/Kg dry	0.208		81.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.182*		mg/Kg dry	0.208		87.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.200*		mg/Kg dry	0.208		95.7	30-150			
Matrix Spike (B184001-MS3)		**Source: 17H0058-19**		Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.21	0.11	mg/Kg dry	0.220	ND	94.7	40-140			
Aroclor-1016 [2C]	0.24	0.11	mg/Kg dry	0.220	ND	110	40-140			
Aroclor-1260	0.17	0.11	mg/Kg dry	0.220	ND	75.5	40-140			
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.220	ND	86.5	40-140			
Surrogate: Decachlorobiphenyl	*0.167*		mg/Kg dry	0.220		75.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.184*		mg/Kg dry	0.220		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.202*		mg/Kg dry	0.220		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.221*		mg/Kg dry	0.220		100	30-150			
Matrix Spike Dup (B184001-MSD1)		**Source: 17H0058-09**		Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.19	0.11	mg/Kg dry	0.217	ND	87.7	40-140	5.84	50	
Aroclor-1016 [2C]	0.21	0.11	mg/Kg dry	0.217	ND	97.8	40-140	9.04	50	
Aroclor-1260	0.16	0.11	mg/Kg dry	0.217	ND	75.0	40-140	5.98	50	
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.217	ND	86.1	40-140	7.55	50	
Surrogate: Decachlorobiphenyl	*0.141*		mg/Kg dry	0.217		64.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.157*		mg/Kg dry	0.217		72.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.166*		mg/Kg dry	0.217		76.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg dry	0.217		85.1	30-150			
Matrix Spike Dup (B184001-MSD2)		**Source: 17H0058-11**		Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.19	0.11	mg/Kg dry	0.211	ND	90.4	40-140	7.93	50	
Aroclor-1016 [2C]	0.21	0.11	mg/Kg dry	0.211	ND	99.6	40-140	6.29	50	
Aroclor-1260	0.17	0.11	mg/Kg dry	0.211	ND	80.7	40-140	5.30	50	
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.211	ND	92.4	40-140	3.33	50	
Surrogate: Decachlorobiphenyl	*0.146*		mg/Kg dry	0.211		69.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.163*		mg/Kg dry	0.211		77.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg dry	0.211		82.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.195*		mg/Kg dry	0.211		92.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184001 - SW-846 3540C										
Matrix Spike Dup (B184001-MSD3)	**Source: 17H0058-19**			Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.20	0.11	mg/Kg dry	0.222	ND	89.4	40-140	4.72	50	
Aroclor-1016 [2C]	0.23	0.11	mg/Kg dry	0.222	ND	105	40-140	3.92	50	
Aroclor-1260	0.16	0.11	mg/Kg dry	0.222	ND	72.4	40-140	3.25	50	
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.222	ND	83.5	40-140	2.57	50	
Surrogate: Decachlorobiphenyl	*0.159*		mg/Kg dry	0.222		71.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg dry	0.222		78.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.186*		mg/Kg dry	0.222		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.208*		mg/Kg dry	0.222		93.5	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B183688 - SW-846 3546											
Blank (B183688-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.64*		mg/Kg wet	3.33		79.3	50-150				
LCS (B183688-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17							
CT ETPH	22.0	10	mg/Kg wet	33.3		66.1	60-120				
Surrogate: o-Terphenyl	*2.66*		mg/Kg wet	3.33		79.9	50-150				
LCS Dup (B183688-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17							
CT ETPH	22.0	10	mg/Kg wet	33.3		66.1	60-120	0.00241		30	
Surrogate: o-Terphenyl	*2.51*		mg/Kg wet	3.33		75.4	50-150				
Matrix Spike (B183688-MS2)	**Source: 17H0058-11**			Prepared: 08/09/17 Analyzed: 08/10/17							
CT ETPH	54.2	11	mg/Kg dry	35.1	11.2	123	50-150				R-06
Surrogate: o-Terphenyl	*2.26*		mg/Kg dry	3.51		64.5	50-150				
Matrix Spike Dup (B183688-MSD2)	**Source: 17H0058-11**			Prepared: 08/09/17 Analyzed: 08/10/17							
CT ETPH	32.5	11	mg/Kg dry	35.1	11.2	60.7	50-150	**50.1**	*	30	R-06
Surrogate: o-Terphenyl	*2.28*		mg/Kg dry	3.51		65.0	50-150				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183537 - SW-846 7471										
Blank (B183537-BLK1)				Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B183537-BS1)				Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	9.14	1.9	mg/Kg wet	9.36		97.6	73.7-126.3			
LCS Dup (B183537-BSD1)				Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	8.96	1.9	mg/Kg wet	9.36		95.7	73.7-126.3	1.95	30	
Duplicate (B183537-DUP1)		**Source: 17H0058-11**		Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	0.0544	0.026	mg/Kg dry		0.0599			9.49	35	
Matrix Spike (B183537-MS1)		**Source: 17H0058-11**		Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	0.202	0.026	mg/Kg dry	0.171	0.0599	82.8	75-125			
Matrix Spike Dup (B183537-MSD1)		**Source: 17H0058-11**		Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	0.199	0.026	mg/Kg dry	0.174	0.0599	79.7	75-125	1.36	35	
Batch B183630 - SW-846 3050B										
Blank (B183630-BLK1)				Prepared: 08/08/17 Analyzed: 08/09/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	1.6	1.0	mg/Kg wet							B
LCS (B183630-BS1)				Prepared: 08/08/17 Analyzed: 08/09/17						
Antimony	71.2	5.0	mg/Kg wet	88.2		80.7	0-210.3			
Arsenic	51.9	5.0	mg/Kg wet	57.0		91.0	77.8-122.1			
Barium	107	5.0	mg/Kg wet	110		96.8	82-117.4			
Beryllium	69.6	0.50	mg/Kg wet	67.5		103	82.3-117.7			
Cadmium	78.1	0.50	mg/Kg wet	77.8		100	81.9-118.2			
Chromium	64.8	1.0	mg/Kg wet	65.0		99.7	78.7-120.6			
Copper	57.0	1.0	mg/Kg wet	56.4		101	80.4-119.6			
Lead	76.0	1.5	mg/Kg wet	85.6		88.8	82.4-117.8			
Nickel	60.1	1.0	mg/Kg wet	61.3		98.1	82.2-117.8			
Selenium	69.6	10	mg/Kg wet	78.9		88.3	77.1-122.3			
Silver	53.0	1.0	mg/Kg wet	54.2		97.7	74.3-125.4			
Thallium	164	5.0	mg/Kg wet	178		92.1	78.2-121.6			
Vanadium	49.6	2.0	mg/Kg wet	56.3		88.2	64.8-135.2			
Zinc	200	2.0	mg/Kg wet	198		101	79.7-120.8			B

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183630 - SW-846 3050B											
LCS Dup (B183630-BSD1)				Prepared: 08/08/17 Analyzed: 08/09/17							
Antimony	74.8	5.0	mg/Kg wet	88.2		84.8		0-210.3	4.95	30	
Arsenic	54.3	5.0	mg/Kg wet	57.0		95.3		77.8-122.1	4.65	30	
Barium	109	5.0	mg/Kg wet	110		98.7		82-117.4	1.86	30	
Beryllium	67.3	0.50	mg/Kg wet	67.5		99.7		82.3-117.7	3.42	30	
Cadmium	83.7	0.50	mg/Kg wet	77.8		108		81.9-118.2	6.98	30	
Chromium	67.6	0.99	mg/Kg wet	65.0		104		78.7-120.6	4.33	30	
Copper	58.9	0.99	mg/Kg wet	56.4		104		80.4-119.6	3.29	30	
Lead	76.5	1.5	mg/Kg wet	85.6		89.4		82.4-117.8	0.647	30	
Nickel	63.3	0.99	mg/Kg wet	61.3		103		82.2-117.8	5.15	30	
Selenium	73.8	9.9	mg/Kg wet	78.9		93.6		77.1-122.3	5.81	30	
Silver	56.3	0.99	mg/Kg wet	54.2		104		74.3-125.4	6.04	30	
Thallium	176	5.0	mg/Kg wet	178		99.0		78.2-121.6	7.19	30	
Vanadium	52.2	2.0	mg/Kg wet	56.3		92.7		64.8-135.2	4.97	30	
Zinc	206	2.0	mg/Kg wet	198		104		79.7-120.8	3.17	30	B
Duplicate (B183630-DUP1)		**Source: 17H0058-11**		Prepared: 08/08/17 Analyzed: 08/09/17							
Antimony	ND	2.5	mg/Kg dry		ND				NC	35	
Arsenic	ND	2.5	mg/Kg dry		ND				NC	35	
Barium	36.1	2.5	mg/Kg dry		35.4				1.92	35	
Beryllium	0.330	0.25	mg/Kg dry		0.325				1.67	35	
Cadmium	0.333	0.25	mg/Kg dry		0.462				32.4	35	
Chromium	11.6	0.51	mg/Kg dry		8.23				33.8	35	
Copper	42.3	0.51	mg/Kg dry		42.0				0.641	35	
Lead	24.3	0.76	mg/Kg dry		23.6				2.81	35	L-10
Nickel	10.6	0.51	mg/Kg dry		9.59				10.0	35	
Selenium	ND	5.1	mg/Kg dry		ND				NC	35	
Silver	ND	0.51	mg/Kg dry		ND				NC	35	
Thallium	ND	2.5	mg/Kg dry		ND				NC	35	
Vanadium	30.2	1.0	mg/Kg dry		30.8				1.78	35	
Zinc	46.4	1.0	mg/Kg dry		42.3				9.11	35	B-07, B
MRL Check (B183630-MRL1)				Prepared: 08/08/17 Analyzed: 08/09/17							
Lead	0.993	0.74	mg/Kg wet	0.735		**135**	*	80-120			L-10
Matrix Spike (B183630-MS1)		**Source: 17H0058-11**		Prepared: 08/08/17 Analyzed: 08/09/17							
Antimony	12.2	2.5	mg/Kg dry	25.4	ND	**48.2**	*	75-125			MS-07A
Arsenic	25.7	2.5	mg/Kg dry	25.4	1.57	95.0		75-125			
Barium	64.8	2.5	mg/Kg dry	25.4	35.4	116		75-125			
Beryllium	26.3	0.25	mg/Kg dry	25.4	0.325	102		75-125			
Cadmium	27.1	0.25	mg/Kg dry	25.4	0.462	105		75-125			
Chromium	34.5	0.51	mg/Kg dry	25.4	8.23	103		75-125			
Copper	76.1	0.51	mg/Kg dry	25.4	42.0	**134**	*	75-125			MS-22
Lead	47.0	0.76	mg/Kg dry	25.4	23.6	91.9		75-125			
Nickel	34.8	0.51	mg/Kg dry	25.4	9.59	99.4		75-125			
Selenium	18.0	5.1	mg/Kg dry	25.4	ND	**70.7**	*	75-125			MS-22
Silver	25.6	0.51	mg/Kg dry	25.4	ND	101		75-125			
Thallium	22.0	2.5	mg/Kg dry	25.4	ND	86.5		75-125			
Vanadium	58.2	1.0	mg/Kg dry	25.4	30.8	108		75-125			
Zinc	71.7	1.0	mg/Kg dry	25.4	42.3	116		75-125			B

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B183630 - SW-846 3050B												
Matrix Spike Dup (B183630-MSD1)		**Source: 17H0058-11**		Prepared: 08/08/17 Analyzed: 08/09/17								
Antimony	12.6	2.6	mg/Kg dry	25.8	ND	**48.8**	*	75-125	3.10		35	MS-07A
Arsenic	26.0	2.6	mg/Kg dry	25.8	1.57	94.4		75-125	1.02		35	
Barium	57.9	2.6	mg/Kg dry	25.8	35.4	86.8		75-125	11.3		35	
Beryllium	26.4	0.26	mg/Kg dry	25.8	0.325	101		75-125	0.199		35	
Cadmium	27.9	0.26	mg/Kg dry	25.8	0.462	106		75-125	2.97		35	
Chromium	33.5	0.52	mg/Kg dry	25.8	8.23	97.6		75-125	2.97		35	
Copper	67.0	0.52	mg/Kg dry	25.8	42.0	96.9		75-125	12.7		35	
Lead	73.5	0.78	mg/Kg dry	25.8	23.6	**193**	*	75-125	**44.1**	*	35	MS-23
Nickel	35.1	0.52	mg/Kg dry	25.8	9.59	98.7		75-125	0.764		35	
Selenium	20.5	5.2	mg/Kg dry	25.8	ND	79.4		75-125	13.3		35	
Silver	26.3	0.52	mg/Kg dry	25.8	ND	102		75-125	2.59		35	
Thallium	23.0	2.6	mg/Kg dry	25.8	ND	89.1		75-125	4.72		35	
Vanadium	52.9	1.0	mg/Kg dry	25.8	30.8	85.7		75-125	9.41		35	
Zinc	66.7	1.0	mg/Kg dry	25.8	42.3	94.4		75-125	7.29		35	B

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183482 - % Solids										
Duplicate (B183482-DUP1)		**Source: 17H0058-09**		Prepared: 08/07/17 Analyzed: 08/08/17						
% Solids	91.6		% Wt		91.2			0.438	20	
Duplicate (B183482-DUP2)		**Source: 17H0058-11**		Prepared: 08/07/17 Analyzed: 08/08/17						
% Solids	95.8		% Wt		95.0			0.839	20	
Duplicate (B183482-DUP3)		**Source: 17H0058-19**		Prepared: 08/07/17 Analyzed: 08/08/17						
% Solids	90.6		% Wt		89.9			0.776	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-31-1

Lab Sample ID: 17H0058-01

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.2	
	2	0.000	-0.030	0.030	5.1	1.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-31-2

Lab Sample ID: 17H0058-02

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	18	
	2	0.000	-0.030	0.030	18	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC3-SO-1-1

Lab Sample ID: 17H0058-07

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.36	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC3-SO-2-1

Lab Sample ID: 17H0058-10

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.24	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-48-1

Lab Sample ID: 17H0058-14

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	3.6	
	2	0.000	-0.030	0.030	3.9	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-48-2

Lab Sample ID: 17H0058-15

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	6.1	
	2	0.000	-0.030	0.030	6.3	3.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-48-3

Lab Sample ID: 17H0058-16

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	84	
	2	0.000	-0.030	0.030	87	3.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-48-4A

Lab Sample ID: 17H0058-17

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.33	
	2	0.000	-0.030	0.030	0.38	14.1

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated blank as well as in the sample.
B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
L-10	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be bias on the high side.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
MS-23	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH
Fluorene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY

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17H0058

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCBs	PAHs	ETPH	SVOCs	RSR 15 Metal	VOCs						# of Containers	[2] Preservation Code	[3] Container Code
01	WS-AOC9-SO-31-1	8/1/17	9:50		X	S	U	X													
02	WS-AOC9-SO-31-2		9:51					X													
	~~WS-AOC9-SO-31-3~~																				
03	WS-AOC9-SO-30-1		9:40					X													
04	WS-AOC9-SO-30-2		9:42					X													
05	WS-AOC9-SO-30-3A		9:44					X													
06	WS-AOC9-SO-30-3B		9:46						X	X											
07	WS-AOC3-SO-1-1		10:04					X													
08	WS-AOC3-SO-1-2		10:05					X		X	X	X	X								
09	WS-AOC3-SO-1-3		10:10					X		X	X	X	X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
WS-AOC 3-SO-1-3 (MS-MSD) VOCs only
Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 8/1/17 1525
Received by: (signature)	Date/Time: 8/1/17 1525
Relinquished by: (signature)	Date/Time: 8/1/17 1525
Received by: (signature) 3.9	Date/Time: 8/1/17 1700
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID #
8/1/17 1700
NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCBs	PAHs	ETPH	SVOCs	RSR 15 Metal	VOCs						# of Containers
10	WS-AOC3-SO-2-1	8/1/17	10:26		X	S	U	X											
11	WS-AOC3-SO-2-2		10:30					X		X	X	X	X						
12	WS-AOC3-SO-2-3		10:34					X		X	X	X	X						
13	WS-AOC3-SO-2-4		10:38					X		X	X	X	X						
14	WS-AOC9-SO-48-1		10:40					X											
15	WS-AOC9-SO-48-2		10:42					X											
16	WS-AOC9-SO-48-3		10:44					X											
17	WS-AOC9-SO-48-4A		10:46					X											
18	WS-AOC9-SO-48-4B		10:48						X	X									
19	WS-AOC9-SO-47-1		11:00					X											

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
WS-AOC3-SO-2-2 (MS-MSD) All except VOC!
Please hold excess volumes for possible SPLP analyses.
WS-AOC3-SO-47-1 (MS-MSD)

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	8/1/17 1525
Received by: (signature)	Date/Time:
	8/1/17 1525
Relinquished by: (signature)	Date/Time:
	8/1/17 OPL
Received by: (signature) 3.9	Date/Time:
	8/1/17 1700
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
GW RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

8/1/17 1700

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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F: 413-525-6405
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con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 8/1/17 Time 1700

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.9, 2.8, 3.2
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? N/A Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	29
Meoh-	7	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	14	Other Plastic		Other Glass		Encore	2
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/1/17 1700	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A081017.SEC\A0810007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/10/17
Data File Name	A0810007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	549789	587403	-6
c - 10	1.63	570796	587403	-3
c - 12	2.35	588096	587403	0
c - 14	3.01	598274	587403	2
c - 16	3.62	610876	587403	4
c - 18	4.23	602897	587403	3
o-Terphenyl	4.51	673282	587403	
c - 20	4.84	609692	587403	4
c - 22	5.34	618889	587403	5
c - 24	5.78	575484	587403	-2
c - 26	6.17	603193	587403	3
c - 28	6.53	591414	587403	1
c - 30	6.86	587541	587403	0
c - 32	7.17	570324	587403	-3
c - 34	7.46	568452	587403	-3
c - 36	7.78	565330	587403	-4

* One compound allowed %D <= 50%

Samples

17H0066-01RE1
17H0066-02RE1

D:\HPCHEM\1\DATA\A081017\A0810006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/10/17
Data File Name	A0810006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	431989	461906	-6
c - 10	1.64	447601	461906	-3
c - 12	2.37	460504	461906	0
c - 14	3.05	469314	461906	2
c - 16	3.66	480138	461906	4
c - 18	4.29	474119	461906	3
o-Terphenyl	4.57	522769	461906	
c - 20	4.90	477615	461906	3
c - 22	5.40	480223	461906	4
c - 24	5.84	443377	461906	-4
c - 26	6.24	463794	461906	0
c - 28	6.60	458650	461906	-1
c - 30	6.93	461551	461906	0
c - 32	7.25	457112	461906	-1
c - 34	7.54	461242	461906	0
c - 36	7.90	461367	461906	0

* One compound allowed %D <= 50%

Samples

17H0058-12
17H0058-13
17H0059-06
17H0059-07
17H0059-11
17H0059-14
17H0059-17
17H0059-05
17H0058-06@5X
17H0058-08@5X
17H0058-18@5X
17H0059-03@5X
17H0064-07

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H0058

Laboratory Sample ID(s):

17H0058-01 thru 17H0058-19

Sample Date(s):

08/01/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **08/23/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 24, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0059

Enclosed are results of analyses for samples received by the laboratory on August 1, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/24/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0059

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC9-SO-47-2	17H0059-01	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-47-3A	17H0059-02	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-47-3B	17H0059-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC3-SO-3-1	17H0059-04	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC3-SO-3-2	17H0059-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SO-3-3	17H0059-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SO-3-4	17H0059-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC9-SO-45-1	17H0059-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-45-2	17H0059-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-45-3A	17H0059-10	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-45-3B	17H0059-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC9-SO-34-1	17H0059-12	Soil		SM 2540G	
				SW-846 8082A	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 8/24/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0059

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC9-SO-34-2	17H0059-13	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-34-3	17H0059-14	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
WS-AOC9-SO-46-1	17H0059-15	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-46-2A	17H0059-16	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-46-2B	17H0059-17	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC9-SO-46-3	17H0059-18	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-33-1	17H0059-19	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-33-2	17H0059-20	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 6010C-D

Qualifications:

B

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Zinc
17H0059-05[WS-AOC3-SO-3-2], 17H0059-06[WS-AOC3-SO-3-3], B183630-BLK1, B183630-BS1, B183630-BSD1

B-07

Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Zinc
17H0059-05[WS-AOC3-SO-3-2], 17H0059-06[WS-AOC3-SO-3-3]

L-10

The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be bias on the high side.

Analyte & Samples(s) Qualified:

Lead
17H0059-05[WS-AOC3-SO-3-2], 17H0059-06[WS-AOC3-SO-3-3], 17H0059-07[WS-AOC3-SO-3-4], B183630-MRL1

SW-846 8260C

Qualifications:

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Tetrahydrofuran
17H0059-05[WS-AOC3-SO-3-2], 17H0059-06[WS-AOC3-SO-3-3], B183261-BLK1, B183261-BS1

SW-846 8270D

Qualifications:

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

Dibenz(a,h)anthracene
17H0059-03[WS-AOC9-SO-47-3B]

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
17H0059-05[WS-AOC3-SO-3-2], 17H0059-06[WS-AOC3-SO-3-3], 17H0059-07[WS-AOC3-SO-3-4], B183689-BLK1, B183689-BS1, B183689-BSD1

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SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-47-2 Sampled: 8/1/2017 11:02

Sample ID: 17H0059-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:36	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:36	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:36	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:36	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:36	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:36	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:36	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:36	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:36	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.8	30-150		8/23/17 16:36
Decachlorobiphenyl [2]	83.2	30-150		8/23/17 16:36
Tetrachloro-m-xylene [1]	86.6	30-150		8/23/17 16:36
Tetrachloro-m-xylene [2]	90.3	30-150		8/23/17 16:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-47-2 Sampled: 8/1/2017 11:02

Sample ID: 17H0059-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-47-3A Sampled: 8/1/2017 11:04

Sample ID: 17H0059-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:53	KAL
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:53	KAL
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:53	KAL
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:53	KAL
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:53	KAL
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:53	KAL
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:53	KAL
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:53	KAL
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 16:53	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.9	30-150		8/23/17 16:53
Decachlorobiphenyl [2]	90.3	30-150		8/23/17 16:53
Tetrachloro-m-xylene [1]	83.4	30-150		8/23/17 16:53
Tetrachloro-m-xylene [2]	88.0	30-150		8/23/17 16:53

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-47-3A Sampled: 8/1/2017 11:04

Sample ID: 17H0059-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.8		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-47-3B Sampled: 8/1/2017 11:06

Sample ID: 17H0059-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Acenaphthylene	ND	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Anthracene	ND	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Benzo(a)anthracene	1.1	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Benzo(a)pyrene	1.0	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Benzo(b)fluoranthene	1.1	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Benzo(g,h,i)perylene	0.60	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Benzo(k)fluoranthene	ND	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Chrysene	0.95	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Dibenz(a,h)anthracene	ND	0.59	mg/Kg dry	2	RL-12	SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Fluoranthene	2.3	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Fluorene	ND	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Indeno(1,2,3-cd)pyrene	ND	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
2-Methylnaphthalene	ND	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Naphthalene	ND	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Phenanthrene	0.79	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL
Pyrene	2.4	0.59	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 10:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	52.0	30-130		8/15/17 10:36
2-Fluorobiphenyl	55.4	30-130		8/15/17 10:36
p-Terphenyl-d14	66.0	30-130		8/15/17 10:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-47-3B Sampled: 8/1/2017 11:06

Sample ID: 17H0059-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	200	86	mg/Kg dry	5		CTDEP ETPH	8/9/17	8/10/17 12:30	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	61.4	50-150		8/10/17 12:30

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-47-3B Sampled: 8/1/2017 11:06

Sample ID: 17H0059-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	57.3		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-1 Sampled: 8/1/2017 11:10

Sample ID: 17H0059-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:10	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:10	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:10	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:10	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:10	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:10	KAL
Aroclor-1260 [2]	0.22	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:10	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:10	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:10	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.3	30-150		8/23/17 17:10
Decachlorobiphenyl [2]	89.8	30-150		8/23/17 17:10
Tetrachloro-m-xylene [1]	85.6	30-150		8/23/17 17:10
Tetrachloro-m-xylene [2]	89.6	30-150		8/23/17 17:10

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-1 Sampled: 8/1/2017 11:10

Sample ID: 17H0059-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-2 Sampled: 8/1/2017 11:11

Sample ID: 17H0059-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-2 Sampled: 8/1/2017 11:11

Sample ID: 17H0059-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 14:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/3/17 14:47
Toluene-d8	103	70-130		8/3/17 14:47
4-Bromofluorobenzene	104	70-130		8/3/17 14:47

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-2 Sampled: 8/1/2017 11:11

Sample ID: 17H0059-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Butylbenzylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
4-Chloroaniline	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
4-Chloro-3-methylphenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
4-Chlorophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Dimethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
4,6-Dinitro-2-methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Di-n-octylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Hexachlorocyclopentadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-2 Sampled: 8/1/2017 11:11

Sample ID: 17H0059-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
3-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
4-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
N-Nitrosodiphenylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
N-Nitrosodi-n-propylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Pentachloronitrobenzene	ND	0.42	mg/Kg dry	1	V-16	SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
Pyridine	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 19:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	48.5	30-130		8/10/17 19:50
Phenol-d6	47.9	30-130		8/10/17 19:50
Nitrobenzene-d5	54.7	30-130		8/10/17 19:50
2-Fluorobiphenyl	58.8	30-130		8/10/17 19:50
2,4,6-Tribromophenol	56.4	30-130		8/10/17 19:50
p-Terphenyl-d14	66.0	30-130		8/10/17 19:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-2 Sampled: 8/1/2017 11:11

Sample ID: 17H0059-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:28	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:28	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:28	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:28	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:28	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:28	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:28	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:28	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:28	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.0	30-150		8/23/17 17:28
Decachlorobiphenyl [2]	86.9	30-150		8/23/17 17:28
Tetrachloro-m-xylene [1]	88.6	30-150		8/23/17 17:28
Tetrachloro-m-xylene [2]	94.4	30-150		8/23/17 17:28

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-2 Sampled: 8/1/2017 11:11

Sample ID: 17H0059-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	53	12	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 11:18	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	67.1	50-150		8/10/17 11:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-2 Sampled: 8/1/2017 11:11

Sample ID: 17H0059-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Arsenic	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Barium	41	2.9	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Beryllium	0.48	0.29	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Cadmium	ND	0.29	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Chromium	9.2	0.58	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Copper	50	0.58	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Lead	82	0.87	mg/Kg dry	1	L-10	SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Mercury	0.048	0.030	mg/Kg dry	1		SW-846 7471B	8/8/17	8/10/17 11:18	SCB
Nickel	11	0.58	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Vanadium	19	1.2	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW
Zinc	63	1.2	mg/Kg dry	1	B, B-07	SW-846 6010C-D	8/8/17	8/9/17 16:08	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-2 Sampled: 8/1/2017 11:11

Sample ID: 17H0059-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.3		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-3 Sampled: 8/1/2017 11:12

Sample ID: 17H0059-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Acrylonitrile	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Bromomethane	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Carbon Disulfide	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Chlorodibromomethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Chloromethane	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,2-Dibromoethane (EDB)	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,3-Dichloropropane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
cis-1,3-Dichloropropene	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
trans-1,3-Dichloropropene	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-3 Sampled: 8/1/2017 11:12

Sample ID: 17H0059-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Naphthalene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Tetrahydrofuran	ND	0.0066	mg/Kg dry	1	V-16	SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
Vinyl Chloride	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 15:15	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		8/3/17 15:15
Toluene-d8	105	70-130		8/3/17 15:15
4-Bromofluorobenzene	102	70-130		8/3/17 15:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-3 Sampled: 8/1/2017 11:12

Sample ID: 17H0059-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
4-Chloro-3-methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-3 Sampled: 8/1/2017 11:12

Sample ID: 17H0059-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	68.2	30-130		8/10/17 20:13
Phenol-d6	66.1	30-130		8/10/17 20:13
Nitrobenzene-d5	72.7	30-130		8/10/17 20:13
2-Fluorobiphenyl	76.0	30-130		8/10/17 20:13
2,4,6-Tribromophenol	84.3	30-130		8/10/17 20:13
p-Terphenyl-d14	88.0	30-130		8/10/17 20:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-3 Sampled: 8/1/2017 11:12

Sample ID: 17H0059-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:45	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:45	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:45	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:45	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:45	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:45	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:45	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:45	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 17:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.7	30-150		8/23/17 17:45
Decachlorobiphenyl [2]	86.4	30-150		8/23/17 17:45
Tetrachloro-m-xylene [1]	89.5	30-150		8/23/17 17:45
Tetrachloro-m-xylene [2]	93.3	30-150		8/23/17 17:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-3 Sampled: 8/1/2017 11:12

Sample ID: 17H0059-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 9:48	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	68.2	50-150		8/10/17 9:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-3 Sampled: 8/1/2017 11:12

Sample ID: 17H0059-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Barium	20	2.7	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Chromium	4.7	0.54	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Copper	6.4	0.54	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Lead	12	0.81	mg/Kg dry	1	L-10	SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Mercury	0.036	0.028	mg/Kg dry	1		SW-846 7471B	8/8/17	8/10/17 11:20	SCB
Nickel	3.2	0.54	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Vanadium	12	1.1	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW
Zinc	17	1.1	mg/Kg dry	1	B, B-07	SW-846 6010C-D	8/8/17	8/9/17 16:13	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-3 Sampled: 8/1/2017 11:12

Sample ID: 17H0059-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-4 Sampled: 8/1/2017 11:13

Sample ID: 17H0059-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Aniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Butylbenzylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Carbazole	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
4-Chloroaniline	ND	0.84	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
4-Chloro-3-methylphenol	ND	0.84	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
4-Chlorophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Chrysene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Di-n-butylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Dimethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
4,6-Dinitro-2-methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2,4-Dinitrophenol	ND	0.84	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Di-n-octylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Hexachlorocyclopentadiene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-4 Sampled: 8/1/2017 11:13

Sample ID: 17H0059-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
3-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
4-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
4-Nitrophenol	ND	0.84	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
N-Nitrosodiphenylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
N-Nitrosodi-n-propylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Pentachloronitrobenzene	ND	0.43	mg/Kg dry	1	V-16	SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Phenanthrene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
Pyridine	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	67.0	30-130		8/10/17 20:36
Phenol-d6	65.7	30-130		8/10/17 20:36
Nitrobenzene-d5	65.5	30-130		8/10/17 20:36
2-Fluorobiphenyl	76.7	30-130		8/10/17 20:36
2,4,6-Tribromophenol	84.8	30-130		8/10/17 20:36
p-Terphenyl-d14	91.4	30-130		8/10/17 20:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-4 Sampled: 8/1/2017 11:13

Sample ID: 17H0059-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:02	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:02	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:02	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:02	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:02	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:02	KAL
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:02	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:02	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.3	30-150		8/23/17 18:02
Decachlorobiphenyl [2]	74.0	30-150		8/23/17 18:02
Tetrachloro-m-xylene [1]	45.6	30-150		8/23/17 18:02
Tetrachloro-m-xylene [2]	50.2	30-150		8/23/17 18:02

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-4 Sampled: 8/1/2017 11:13

Sample ID: 17H0059-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	13	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 10:06	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	69.3	50-150		8/10/17 10:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-4 Sampled: 8/1/2017 11:13

Sample ID: 17H0059-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Arsenic	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Barium	28	3.1	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Cadmium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Chromium	6.2	0.63	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Copper	8.4	0.63	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Lead	11	0.94	mg/Kg dry	1	L-10	SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Mercury	0.048	0.031	mg/Kg dry	1		SW-846 7471B	8/8/17	8/10/17 11:22	SCB
Nickel	4.6	0.63	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Vanadium	16	1.3	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:12	QNW
Zinc	23	1.2	mg/Kg dry	1		SW-846 6010C-D	8/11/17	8/14/17 12:47	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-3-4 Sampled: 8/1/2017 11:13

Sample ID: 17H0059-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.3		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-45-1 Sampled: 8/1/2017 11:40

Sample ID: 17H0059-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:20	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:20	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:20	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:20	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:20	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:20	KAL
Aroclor-1260 [2]	0.78	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:20	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:20	KAL
Aroclor-1268 [2]	0.50	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:20	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.2	30-150		8/23/17 18:20
Decachlorobiphenyl [2]	96.5	30-150		8/23/17 18:20
Tetrachloro-m-xylene [1]	84.0	30-150		8/23/17 18:20
Tetrachloro-m-xylene [2]	89.3	30-150		8/23/17 18:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-45-1 Sampled: 8/1/2017 11:40

Sample ID: 17H0059-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.3		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-45-2 Sampled: 8/1/2017 11:42

Sample ID: 17H0059-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:37	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:37	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:37	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:37	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:37	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:37	KAL
Aroclor-1260 [2]	0.23	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:37	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:37	KAL
Aroclor-1268 [2]	0.10	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 18:37	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.7	30-150		8/23/17 18:37
Decachlorobiphenyl [2]	83.0	30-150		8/23/17 18:37
Tetrachloro-m-xylene [1]	81.0	30-150		8/23/17 18:37
Tetrachloro-m-xylene [2]	84.1	30-150		8/23/17 18:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-45-2 Sampled: 8/1/2017 11:42

Sample ID: 17H0059-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.5		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-45-3A Sampled: 8/1/2017 11:44

Sample ID: 17H0059-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:41	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:41	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:41	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:41	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:41	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:41	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:41	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:41	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:41	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.9	30-150		8/23/17 19:41
Decachlorobiphenyl [2]	84.6	30-150		8/23/17 19:41
Tetrachloro-m-xylene [1]	84.2	30-150		8/23/17 19:41
Tetrachloro-m-xylene [2]	88.2	30-150		8/23/17 19:41

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-45-3A Sampled: 8/1/2017 11:44

Sample ID: 17H0059-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-45-3B Sampled: 8/1/2017 11:46

Sample ID: 17H0059-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	72.4	30-130		8/11/17 1:13
2-Fluorobiphenyl	74.4	30-130		8/11/17 1:13
p-Terphenyl-d14	81.4	30-130		8/11/17 1:13

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-45-3B Sampled: 8/1/2017 11:46

Sample ID: 17H0059-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 10:24	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	72.5	50-150		8/10/17 10:24

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-45-3B Sampled: 8/1/2017 11:46

Sample ID: 17H0059-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.2		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-34-1 Sampled: 8/1/2017 11:43

Sample ID: 17H0059-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:58	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:58	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:58	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:58	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:58	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:58	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:58	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:58	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 19:58	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.9	30-150		8/23/17 19:58
Decachlorobiphenyl [2]	98.6	30-150		8/23/17 19:58
Tetrachloro-m-xylene [1]	97.9	30-150		8/23/17 19:58
Tetrachloro-m-xylene [2]	103	30-150		8/23/17 19:58

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-34-1 Sampled: 8/1/2017 11:43

Sample ID: 17H0059-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-34-2 Sampled: 8/1/2017 11:44

Sample ID: 17H0059-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:15	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:15	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:15	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:15	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:15	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:15	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:15	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:15	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		8/23/17 20:15
Decachlorobiphenyl [2]	100	30-150		8/23/17 20:15
Tetrachloro-m-xylene [1]	96.8	30-150		8/23/17 20:15
Tetrachloro-m-xylene [2]	101	30-150		8/23/17 20:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-34-2 Sampled: 8/1/2017 11:44

Sample ID: 17H0059-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-34-3 Sampled: 8/1/2017 11:45

Sample ID: 17H0059-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Acenaphthylene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Anthracene	0.36	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Benzo(a)anthracene	0.95	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Benzo(a)pyrene	0.76	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Benzo(b)fluoranthene	0.86	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Benzo(g,h,i)perylene	0.60	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Benzo(k)fluoranthene	0.36	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Chrysene	0.96	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Dibenz(a,h)anthracene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Fluoranthene	2.3	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Fluorene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Indeno(1,2,3-cd)pyrene	0.55	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
2-Methylnaphthalene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Naphthalene	ND	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Phenanthrene	2.1	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL
Pyrene	2.3	0.26	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	58.7	30-130		8/11/17 1:36
2-Fluorobiphenyl	58.9	30-130		8/11/17 1:36
p-Terphenyl-d14	65.6	30-130		8/11/17 1:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-34-3 Sampled: 8/1/2017 11:45

Sample ID: 17H0059-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:33	KAL
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:33	KAL
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:33	KAL
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:33	KAL
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:33	KAL
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:33	KAL
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:33	KAL
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:33	KAL
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:33	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.7	30-150		8/23/17 20:33
Decachlorobiphenyl [2]	107	30-150		8/23/17 20:33
Tetrachloro-m-xylene [1]	104	30-150		8/23/17 20:33
Tetrachloro-m-xylene [2]	106	30-150		8/23/17 20:33

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-34-3 Sampled: 8/1/2017 11:45

Sample ID: 17H0059-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	21	15	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 10:42	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	55.6	50-150		8/10/17 10:42

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-34-3 Sampled: 8/1/2017 11:45

Sample ID: 17H0059-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	65.1		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-46-1 Sampled: 8/1/2017 12:00

Sample ID: 17H0059-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:50	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:50	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:50	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:50	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:50	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:50	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:50	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:50	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 20:50	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.4	30-150		8/23/17 20:50
Decachlorobiphenyl [2]	102	30-150		8/23/17 20:50
Tetrachloro-m-xylene [1]	93.1	30-150		8/23/17 20:50
Tetrachloro-m-xylene [2]	97.4	30-150		8/23/17 20:50

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-46-1 Sampled: 8/1/2017 12:00

Sample ID: 17H0059-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-46-2A Sampled: 8/1/2017 12:02

Sample ID: 17H0059-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:07	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:07	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:07	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:07	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:07	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:07	KAL
Aroclor-1260 [2]	0.13	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:07	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:07	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:07	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.6	30-150		8/23/17 21:07
Decachlorobiphenyl [2]	104	30-150		8/23/17 21:07
Tetrachloro-m-xylene [1]	93.6	30-150		8/23/17 21:07
Tetrachloro-m-xylene [2]	98.0	30-150		8/23/17 21:07

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-46-2A Sampled: 8/1/2017 12:02

Sample ID: 17H0059-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.0		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-46-2B Sampled: 8/1/2017 12:04

Sample ID: 17H0059-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Acenaphthylene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Anthracene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Benzo(a)anthracene	0.31	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Benzo(a)pyrene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Benzo(b)fluoranthene	0.37	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Benzo(g,h,i)perylene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Benzo(k)fluoranthene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Chrysene	0.38	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Dibenz(a,h)anthracene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Fluoranthene	0.57	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Fluorene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Indeno(1,2,3-cd)pyrene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
2-Methylnaphthalene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Naphthalene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Phenanthrene	ND	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL
Pyrene	0.71	0.31	mg/Kg dry	1		SW-846 8270D	8/9/17	8/11/17 1:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	65.4	30-130		8/11/17 1:59
2-Fluorobiphenyl	72.3	30-130		8/11/17 1:59
p-Terphenyl-d14	85.0	30-130		8/11/17 1:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-46-2B Sampled: 8/1/2017 12:04

Sample ID: 17H0059-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	54	18	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 11:00	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	66.9	50-150		8/10/17 11:00

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-46-2B Sampled: 8/1/2017 12:04

Sample ID: 17H0059-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	54.5		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-46-3 Sampled: 8/1/2017 12:06

Sample ID: 17H0059-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:25	KAL
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:25	KAL
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:25	KAL
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:25	KAL
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:25	KAL
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:25	KAL
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:25	KAL
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:25	KAL
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.9	30-150		8/23/17 21:25
Decachlorobiphenyl [2]	97.8	30-150		8/23/17 21:25
Tetrachloro-m-xylene [1]	92.8	30-150		8/23/17 21:25
Tetrachloro-m-xylene [2]	94.7	30-150		8/23/17 21:25

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-46-3 Sampled: 8/1/2017 12:06

Sample ID: 17H0059-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.5		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-33-1 Sampled: 8/1/2017 12:00

Sample ID: 17H0059-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:42	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:42	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:42	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:42	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:42	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:42	KAL
Aroclor-1260 [2]	1.0	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:42	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:42	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:42	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.2	30-150		8/23/17 21:42
Decachlorobiphenyl [2]	89.8	30-150		8/23/17 21:42
Tetrachloro-m-xylene [1]	84.4	30-150		8/23/17 21:42
Tetrachloro-m-xylene [2]	91.3	30-150		8/23/17 21:42

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-33-1 Sampled: 8/1/2017 12:00

Sample ID: 17H0059-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.2		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-33-2 Sampled: 8/1/2017 12:01

Sample ID: 17H0059-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:59	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:59	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:59	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:59	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:59	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:59	KAL
Aroclor-1260 [2]	0.13	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:59	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:59	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/14/17	8/23/17 21:59	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.7	30-150		8/23/17 21:59
Decachlorobiphenyl [2]	96.1	30-150		8/23/17 21:59
Tetrachloro-m-xylene [1]	101	30-150		8/23/17 21:59
Tetrachloro-m-xylene [2]	106	30-150		8/23/17 21:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0059

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-33-2 Sampled: 8/1/2017 12:01

Sample ID: 17H0059-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.7		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0059-03 [WS-AOC9-SO-47-3B]	B183688	30.3	1.00	08/09/17
17H0059-05 [WS-AOC3-SO-3-2]	B183688	30.0	1.00	08/09/17
17H0059-06 [WS-AOC3-SO-3-3]	B183688	30.0	1.00	08/09/17
17H0059-07 [WS-AOC3-SO-3-4]	B183688	30.0	1.00	08/09/17
17H0059-11 [WS-AOC9-SO-45-3B]	B183688	30.0	1.00	08/09/17
17H0059-14 [WS-AOC9-SO-34-3]	B183688	30.0	1.00	08/09/17
17H0059-17 [WS-AOC9-SO-46-2B]	B183688	30.0	1.00	08/09/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H0059-01 [WS-AOC9-SO-47-2]	B183482	08/07/17
17H0059-02 [WS-AOC9-SO-47-3A]	B183482	08/07/17
17H0059-03 [WS-AOC9-SO-47-3B]	B183482	08/07/17
17H0059-04 [WS-AOC3-SO-3-1]	B183482	08/07/17
17H0059-05 [WS-AOC3-SO-3-2]	B183482	08/07/17
17H0059-06 [WS-AOC3-SO-3-3]	B183482	08/07/17
17H0059-07 [WS-AOC3-SO-3-4]	B183482	08/07/17
17H0059-08 [WS-AOC9-SO-45-1]	B183482	08/07/17
17H0059-09 [WS-AOC9-SO-45-2]	B183482	08/07/17
17H0059-10 [WS-AOC9-SO-45-3A]	B183482	08/07/17
17H0059-11 [WS-AOC9-SO-45-3B]	B183482	08/07/17
17H0059-12 [WS-AOC9-SO-34-1]	B183482	08/07/17
17H0059-13 [WS-AOC9-SO-34-2]	B183482	08/07/17
17H0059-14 [WS-AOC9-SO-34-3]	B183482	08/07/17
17H0059-15 [WS-AOC9-SO-46-1]	B183482	08/07/17
17H0059-16 [WS-AOC9-SO-46-2A]	B183482	08/07/17
17H0059-17 [WS-AOC9-SO-46-2B]	B183482	08/07/17
17H0059-18 [WS-AOC9-SO-46-3]	B183482	08/07/17
17H0059-19 [WS-AOC9-SO-33-1]	B183482	08/07/17
17H0059-20 [WS-AOC9-SO-33-2]	B183482	08/07/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0059-05 [WS-AOC3-SO-3-2]	B183630	1.06	50.0	08/08/17
17H0059-06 [WS-AOC3-SO-3-3]	B183630	1.06	50.0	08/08/17
17H0059-07 [WS-AOC3-SO-3-4]	B183630	1.01	50.0	08/08/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0059-07RE1 [WS-AOC3-SO-3-4]	B183902	1.03	50.0	08/11/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0059-05 [WS-AOC3-SO-3-2]	B183537	0.617	50.0	08/08/17
17H0059-06 [WS-AOC3-SO-3-3]	B183537	0.624	50.0	08/08/17
17H0059-07 [WS-AOC3-SO-3-4]	B183537	0.612	50.0	08/08/17

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Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0059-01 [WS-AOC9-SO-47-2]	B184002	10.0	10.0	08/14/17
17H0059-02 [WS-AOC9-SO-47-3A]	B184002	10.0	10.0	08/14/17
17H0059-04 [WS-AOC3-SO-3-1]	B184002	10.1	10.0	08/14/17
17H0059-05 [WS-AOC3-SO-3-2]	B184002	10.1	10.0	08/14/17
17H0059-06 [WS-AOC3-SO-3-3]	B184002	10.0	10.0	08/14/17
17H0059-07 [WS-AOC3-SO-3-4]	B184002	10.1	10.0	08/14/17
17H0059-08 [WS-AOC9-SO-45-1]	B184002	10.1	10.0	08/14/17
17H0059-09 [WS-AOC9-SO-45-2]	B184002	10.0	10.0	08/14/17
17H0059-10 [WS-AOC9-SO-45-3A]	B184002	10.2	10.0	08/14/17
17H0059-12 [WS-AOC9-SO-34-1]	B184002	10.0	10.0	08/14/17
17H0059-13 [WS-AOC9-SO-34-2]	B184002	10.3	10.0	08/14/17
17H0059-14 [WS-AOC9-SO-34-3]	B184002	10.2	10.0	08/14/17
17H0059-15 [WS-AOC9-SO-46-1]	B184002	10.2	10.0	08/14/17
17H0059-16 [WS-AOC9-SO-46-2A]	B184002	10.1	10.0	08/14/17
17H0059-18 [WS-AOC9-SO-46-3]	B184002	10.3	10.0	08/14/17
17H0059-19 [WS-AOC9-SO-33-1]	B184002	10.0	10.0	08/14/17
17H0059-20 [WS-AOC9-SO-33-2]	B184002	10.2	10.0	08/14/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0059-05 [WS-AOC3-SO-3-2]	B183261	6.70	10.0	08/03/17
17H0059-06 [WS-AOC3-SO-3-3]	B183261	8.75	10.0	08/03/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0059-03 [WS-AOC9-SO-47-3B]	B183689	30.0	1.00	08/09/17
17H0059-05 [WS-AOC3-SO-3-2]	B183689	30.0	1.00	08/09/17
17H0059-06 [WS-AOC3-SO-3-3]	B183689	30.0	1.00	08/09/17
17H0059-07 [WS-AOC3-SO-3-4]	B183689	30.0	1.00	08/09/17
17H0059-11 [WS-AOC9-SO-45-3B]	B183689	30.0	1.00	08/09/17
17H0059-14 [WS-AOC9-SO-34-3]	B183689	30.0	1.00	08/09/17
17H0059-17 [WS-AOC9-SO-46-2B]	B183689	30.0	1.00	08/09/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183261 - SW-846 5035										
Blank (B183261-BLK1)				Prepared & Analyzed: 08/03/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183261 - SW-846 5035										
Blank (B183261-BLK1)				Prepared & Analyzed: 08/03/17						
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0504*		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	*0.0527*		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0516*		mg/Kg wet	0.0500		103	70-130			
LCS (B183261-BS1)				Prepared & Analyzed: 08/03/17						
Acetone	0.185	0.10	mg/Kg wet	0.200		92.6	70-130			
Acrylonitrile	0.0258	0.0060	mg/Kg wet	0.0200		129	70-130			
Benzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
Bromobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130			
Bromodichloromethane	0.0175	0.0020	mg/Kg wet	0.0200		87.4	70-130			
Bromoform	0.0161	0.0020	mg/Kg wet	0.0200		80.5	70-130			
Bromomethane	0.0193	0.010	mg/Kg wet	0.0200		96.5	70-130			
2-Butanone (MEK)	0.239	0.040	mg/Kg wet	0.200		120	70-130			
n-Butylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130			
sec-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
Carbon Disulfide	0.202	0.0060	mg/Kg wet	0.200		101	70-130			
Carbon Tetrachloride	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
Chlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130			
Chlorodibromomethane	0.0188	0.0010	mg/Kg wet	0.0200		93.9	70-130			
Chloroethane	0.0169	0.020	mg/Kg wet	0.0200		84.7	70-130			
Chloroform	0.0187	0.0040	mg/Kg wet	0.0200		93.4	70-130			
Chloromethane	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
2-Chlorotoluene	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
4-Chlorotoluene	0.0177	0.0020	mg/Kg wet	0.0200		88.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,2-Dibromoethane (EDB)	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130			
Dibromomethane	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,2-Dichlorobenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,3-Dichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130			
1,4-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
trans-1,4-Dichloro-2-butene	0.0196	0.0040	mg/Kg wet	0.0200		97.9	70-130			
Dichlorodifluoromethane (Freon 12)	0.0222	0.020	mg/Kg wet	0.0200		111	70-130			
1,1-Dichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2-Dichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1-Dichloroethylene	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183261 - SW-846 5035										
LCS (B183261-BS1)				Prepared & Analyzed: 08/03/17						
cis-1,2-Dichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130			
trans-1,2-Dichloroethylene	0.0253	0.0020	mg/Kg wet	0.0200		126	70-130			
1,2-Dichloropropane	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		101	70-130			
2,2-Dichloropropane	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,1-Dichloropropene	0.0185	0.0020	mg/Kg wet	0.0200		92.4	70-130			
cis-1,3-Dichloropropene	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130			
trans-1,3-Dichloropropene	0.0179	0.0010	mg/Kg wet	0.0200		89.4	70-130			
Ethylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Hexachlorobutadiene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
2-Hexanone (MBK)	0.229	0.020	mg/Kg wet	0.200		114	70-130			
Isopropylbenzene (Cumene)	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		93.1	70-130			
Methylene Chloride	0.0233	0.020	mg/Kg wet	0.0200		117	70-130			
4-Methyl-2-pentanone (MIBK)	0.233	0.020	mg/Kg wet	0.200		116	70-130			
Naphthalene	0.0162	0.0040	mg/Kg wet	0.0200		80.9	70-130			
n-Propylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130			
Styrene	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130			
1,1,1,2-Tetrachloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
1,1,2,2-Tetrachloroethane	0.0169	0.0010	mg/Kg wet	0.0200		84.5	70-130			
Tetrachloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130			
Tetrahydrofuran	0.0183	0.010	mg/Kg wet	0.0200		91.6	70-130			V-16
Toluene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,2,3-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.8	70-130			
1,2,4-Trichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		90.8	70-130			
1,1,1-Trichloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2-Trichloroethane	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
Trichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
Trichlorofluoromethane (Freon 11)	0.0231	0.010	mg/Kg wet	0.0200		116	70-130			
1,2,3-Trichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0224	0.010	mg/Kg wet	0.0200		112	70-130			
1,2,4-Trimethylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
1,3,5-Trimethylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		93.8	70-130			
m+p Xylene	0.0376	0.0040	mg/Kg wet	0.0400		94.0	70-130			
o-Xylene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0506*		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	*0.0531*		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0520*		mg/Kg wet	0.0500		104	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183689 - SW-846 3546										
Blank (B183689-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B183689 - SW-846 3546											
Blank (B183689-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17							
4-Nitrophenol	ND	0.66	mg/Kg wet								
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet								
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16	
Pentachlorophenol	ND	0.34	mg/Kg wet								
Phenanthrene	ND	0.17	mg/Kg wet								
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
Pyridine	ND	0.34	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*5.26*		mg/Kg wet	6.67		79.0	30-130				
Surrogate: Phenol-d6	*5.05*		mg/Kg wet	6.67		75.7	30-130				
Surrogate: Nitrobenzene-d5	*2.74*		mg/Kg wet	3.33		82.1	30-130				
Surrogate: 2-Fluorobiphenyl	*2.84*		mg/Kg wet	3.33		85.2	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.74*		mg/Kg wet	6.67		101	30-130				
Surrogate: p-Terphenyl-d14	*3.47*		mg/Kg wet	3.33		104	30-130				
LCS (B183689-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17							
Acenaphthene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140				
Acenaphthylene	1.23	0.17	mg/Kg wet	1.67		73.9	40-140				
Aniline	1.03	0.34	mg/Kg wet	1.67		61.8	40-140				†
Anthracene	1.29	0.17	mg/Kg wet	1.67		77.6	40-140				
Benzo(a)anthracene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140				
Benzo(a)pyrene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140				
Benzo(b)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.1	40-140				
Benzo(g,h,i)perylene	1.64	0.17	mg/Kg wet	1.67		98.2	40-140				
Benzo(k)fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.1	40-140				
Bis(2-chloroethoxy)methane	1.27	0.34	mg/Kg wet	1.67		76.1	40-140				
Bis(2-chloroethyl)ether	1.08	0.34	mg/Kg wet	1.67		65.1	40-140				
Bis(2-chloroisopropyl)ether	1.10	0.34	mg/Kg wet	1.67		65.9	40-140				
Bis(2-Ethylhexyl)phthalate	1.55	0.34	mg/Kg wet	1.67		93.2	40-140				
4-Bromophenylphenylether	1.40	0.34	mg/Kg wet	1.67		83.7	40-140				
Butylbenzylphthalate	1.48	0.34	mg/Kg wet	1.67		88.7	40-140				
Carbazole	1.25	0.17	mg/Kg wet	1.67		75.2	40-140				
4-Chloroaniline	0.988	0.66	mg/Kg wet	1.67		59.3	40-140				†
4-Chloro-3-methylphenol	1.35	0.66	mg/Kg wet	1.67		81.0	30-130				
2-Chloronaphthalene	1.04	0.34	mg/Kg wet	1.67		62.3	40-140				
2-Chlorophenol	1.17	0.34	mg/Kg wet	1.67		70.1	30-130				
4-Chlorophenylphenylether	1.36	0.34	mg/Kg wet	1.67		81.6	40-140				
Chrysene	1.34	0.17	mg/Kg wet	1.67		80.2	40-140				
Dibenz(a,h)anthracene	1.58	0.17	mg/Kg wet	1.67		94.6	40-140				
Dibenzofuran	1.31	0.34	mg/Kg wet	1.67		78.8	40-140				
Di-n-butylphthalate	1.34	0.34	mg/Kg wet	1.67		80.7	40-140				
3,3-Dichlorobenzidine	0.978	0.17	mg/Kg wet	1.67		58.7	40-140				†
2,4-Dichlorophenol	1.29	0.34	mg/Kg wet	1.67		77.4	30-130				
Diethylphthalate	1.40	0.34	mg/Kg wet	1.67		84.1	40-140				
2,4-Dimethylphenol	1.28	0.34	mg/Kg wet	1.67		76.9	30-130				
Dimethylphthalate	1.34	0.34	mg/Kg wet	1.67		80.4	40-140				
4,6-Dinitro-2-methylphenol	1.07	0.34	mg/Kg wet	1.67		64.5	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B183689 - SW-846 3546											
LCS (B183689-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17							
2,4-Dinitrophenol	0.782	0.66	mg/Kg wet	1.67		46.9	30-130				
2,4-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		73.2	40-140				
2,6-Dinitrotoluene	1.32	0.34	mg/Kg wet	1.67		79.3	40-140				
Di-n-octylphthalate	1.41	0.34	mg/Kg wet	1.67		84.5	40-140				
Fluoranthene	1.27	0.17	mg/Kg wet	1.67		75.9	40-140				
Fluorene	1.29	0.17	mg/Kg wet	1.67		77.2	40-140				
Hexachlorobenzene	1.35	0.34	mg/Kg wet	1.67		81.1	40-140				
Hexachlorobutadiene	1.29	0.34	mg/Kg wet	1.67		77.5	40-140				
Hexachlorocyclopentadiene	0.856	0.34	mg/Kg wet	1.67		51.4	30-140				
Hexachloroethane	1.11	0.34	mg/Kg wet	1.67		66.8	40-140				
Indeno(1,2,3-cd)pyrene	1.55	0.17	mg/Kg wet	1.67		92.8	40-140				
Isophorone	1.27	0.34	mg/Kg wet	1.67		75.9	40-140				
2-Methylnaphthalene	1.26	0.17	mg/Kg wet	1.67		75.4	40-140				
2-Methylphenol	1.11	0.34	mg/Kg wet	1.67		66.7	30-130				
3/4-Methylphenol	1.13	0.34	mg/Kg wet	1.67		67.8	30-130				
Naphthalene	1.19	0.17	mg/Kg wet	1.67		71.1	40-140				
2-Nitroaniline	1.32	0.34	mg/Kg wet	1.67		79.1	40-140				
3-Nitroaniline	1.13	0.34	mg/Kg wet	1.67		67.9	40-140				†
4-Nitroaniline	1.23	0.34	mg/Kg wet	1.67		73.9	40-140				
Nitrobenzene	1.23	0.34	mg/Kg wet	1.67		73.5	40-140				
2-Nitrophenol	1.20	0.34	mg/Kg wet	1.67		72.1	30-130				
4-Nitrophenol	1.06	0.66	mg/Kg wet	1.67		63.3	10-130				
N-Nitrosodiphenylamine	1.76	0.34	mg/Kg wet	1.67		105	40-140				
N-Nitrosodi-n-propylamine	1.15	0.34	mg/Kg wet	1.67		69.2	40-140				
Pentachloronitrobenzene	1.45	0.34	mg/Kg wet	1.67		87.1	40-140			V-16	
Pentachlorophenol	0.872	0.34	mg/Kg wet	1.67		52.3	30-130				
Phenanthrene	1.28	0.17	mg/Kg wet	1.67		77.0	40-140				
Phenol	1.12	0.34	mg/Kg wet	1.67		67.1	20-130				
Pyrene	1.30	0.17	mg/Kg wet	1.67		77.8	40-140				
Pyridine	0.832	0.34	mg/Kg wet	1.67		49.9	10-140				†
1,2,4,5-Tetrachlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.4	40-140				
1,2,4-Trichlorobenzene	1.19	0.34	mg/Kg wet	1.67		71.4	40-140				
2,4,5-Trichlorophenol	1.30	0.34	mg/Kg wet	1.67		78.0	30-130				
2,4,6-Trichlorophenol	1.31	0.34	mg/Kg wet	1.67		78.8	30-130				
Surrogate: 2-Fluorophenol	*5.54*		mg/Kg wet	6.67		83.1	30-130				
Surrogate: Phenol-d6	*5.42*		mg/Kg wet	6.67		81.2	30-130				
Surrogate: Nitrobenzene-d5	*2.99*		mg/Kg wet	3.33		89.7	30-130				
Surrogate: 2-Fluorobiphenyl	*3.15*		mg/Kg wet	3.33		94.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*7.51*		mg/Kg wet	6.67		113	30-130				
Surrogate: p-Terphenyl-d14	*3.40*		mg/Kg wet	3.33		102	30-130				
LCS Dup (B183689-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17							
Acenaphthene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140	7.64	30		
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.4	40-140	7.81	30		
Aniline	0.961	0.34	mg/Kg wet	1.67		57.6	40-140	6.93	50		† ‡
Anthracene	1.18	0.17	mg/Kg wet	1.67		70.5	40-140	9.53	30		
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140	8.54	30		
Benzo(a)pyrene	1.26	0.17	mg/Kg wet	1.67		75.8	40-140	7.49	30		
Benzo(b)fluoranthene	1.16	0.17	mg/Kg wet	1.67		69.8	40-140	0.515	30		
Benzo(g,h,i)perylene	1.50	0.17	mg/Kg wet	1.67		90.0	40-140	8.76	30		
Benzo(k)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	9.28	30		
Bis(2-chloroethoxy)methane	1.14	0.34	mg/Kg wet	1.67		68.2	40-140	10.9	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183689 - SW-846 3546										
LCS Dup (B183689-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17						
Bis(2-chloroethyl)ether	0.986	0.34	mg/Kg wet	1.67		59.2	40-140	9.56	30	
Bis(2-chloroisopropyl)ether	0.953	0.34	mg/Kg wet	1.67		57.2	40-140	14.3	30	
Bis(2-Ethylhexyl)phthalate	1.40	0.34	mg/Kg wet	1.67		84.2	40-140	10.1	30	
4-Bromophenylphenylether	1.29	0.34	mg/Kg wet	1.67		77.5	40-140	7.66	30	
Butylbenzylphthalate	1.32	0.34	mg/Kg wet	1.67		79.4	40-140	11.1	30	
Carbazole	1.15	0.17	mg/Kg wet	1.67		68.9	40-140	8.63	30	
4-Chloroaniline	0.936	0.66	mg/Kg wet	1.67		56.2	40-140	5.44	30	†
4-Chloro-3-methylphenol	1.22	0.66	mg/Kg wet	1.67		72.9	30-130	10.5	30	
2-Chloronaphthalene	0.961	0.34	mg/Kg wet	1.67		57.6	40-140	7.83	30	
2-Chlorophenol	1.07	0.34	mg/Kg wet	1.67		64.3	30-130	8.60	30	
4-Chlorophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.6	40-140	6.32	30	
Chrysene	1.22	0.17	mg/Kg wet	1.67		73.0	40-140	9.43	30	
Dibenz(a,h)anthracene	1.45	0.17	mg/Kg wet	1.67		86.8	40-140	8.60	30	
Dibenzofuran	1.22	0.34	mg/Kg wet	1.67		73.3	40-140	7.23	30	
Di-n-butylphthalate	1.23	0.34	mg/Kg wet	1.67		73.6	40-140	9.20	30	
3,3-Dichlorobenzidine	0.957	0.17	mg/Kg wet	1.67		57.4	40-140	2.17	30	† ‡
2,4-Dichlorophenol	1.19	0.34	mg/Kg wet	1.67		71.2	30-130	8.29	30	
Diethylphthalate	1.29	0.34	mg/Kg wet	1.67		77.6	40-140	8.06	30	
2,4-Dimethylphenol	1.17	0.34	mg/Kg wet	1.67		70.2	30-130	9.14	30	
Dimethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.1	40-140	8.08	50	
4,6-Dinitro-2-methylphenol	0.998	0.34	mg/Kg wet	1.67		59.9	30-130	7.43	50	
2,4-Dinitrophenol	0.646	0.66	mg/Kg wet	1.67		38.8	30-130	19.1	50	
2,4-Dinitrotoluene	1.11	0.34	mg/Kg wet	1.67		66.5	40-140	9.59	30	
2,6-Dinitrotoluene	1.19	0.34	mg/Kg wet	1.67		71.4	40-140	10.5	30	
Di-n-octylphthalate	1.28	0.34	mg/Kg wet	1.67		76.5	40-140	9.91	30	
Fluoranthene	1.16	0.17	mg/Kg wet	1.67		69.9	40-140	8.28	30	
Fluorene	1.19	0.17	mg/Kg wet	1.67		71.6	40-140	7.58	30	
Hexachlorobenzene	1.25	0.34	mg/Kg wet	1.67		75.0	40-140	7.89	30	
Hexachlorobutadiene	1.19	0.34	mg/Kg wet	1.67		71.2	40-140	8.50	30	
Hexachlorocyclopentadiene	0.818	0.34	mg/Kg wet	1.67		49.1	30-140	4.62	50	
Hexachloroethane	1.03	0.34	mg/Kg wet	1.67		61.6	40-140	8.16	50	
Indeno(1,2,3-cd)pyrene	1.40	0.17	mg/Kg wet	1.67		83.9	40-140	10.1	50	
Indeno(1,2,3-cd)pyrene	1.40	0.17	mg/Kg wet	1.67		83.9	40-140	10.1	30	
Isophorone	1.12	0.34	mg/Kg wet	1.67		67.1	40-140	12.4	30	
2-Methylnaphthalene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	10.5	30	
2-Methylphenol	0.991	0.34	mg/Kg wet	1.67		59.5	30-130	11.5	30	
3/4-Methylphenol	1.02	0.34	mg/Kg wet	1.67		61.1	30-130	10.3	30	
Naphthalene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140	9.36	30	
2-Nitroaniline	1.17	0.34	mg/Kg wet	1.67		70.3	40-140	11.8	30	
3-Nitroaniline	1.09	0.34	mg/Kg wet	1.67		65.6	40-140	3.41	30	†
4-Nitroaniline	1.10	0.34	mg/Kg wet	1.67		65.9	40-140	11.4	30	
Nitrobenzene	1.08	0.34	mg/Kg wet	1.67		64.8	40-140	12.6	30	
2-Nitrophenol	1.10	0.34	mg/Kg wet	1.67		66.0	30-130	8.81	30	
4-Nitrophenol	0.924	0.66	mg/Kg wet	1.67		55.5	10-130	13.3	50	‡
N-Nitrosodiphenylamine	1.62	0.34	mg/Kg wet	1.67		97.2	40-140	7.96	30	
N-Nitrosodi-n-propylamine	1.02	0.34	mg/Kg wet	1.67		61.3	40-140	12.0	30	
Pentachloronitrobenzene	1.40	0.34	mg/Kg wet	1.67		84.3	40-140	3.31	30	V-16
Pentachlorophenol	0.799	0.34	mg/Kg wet	1.67		47.9	30-130	8.82	50	
Phenanthrene	1.18	0.17	mg/Kg wet	1.67		70.5	40-140	8.84	30	
Phenol	1.01	0.34	mg/Kg wet	1.67		60.4	20-130	10.5	30	
Pyrene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140	9.48	30	
Pyridine	0.753	0.34	mg/Kg wet	1.67		45.2	10-140	10.0	50	†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183689 - SW-846 3546										
LCS Dup (B183689-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17						
1,2,4,5-Tetrachlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.0	40-140	5.65	30	
1,2,4-Trichlorobenzene	1.06	0.34	mg/Kg wet	1.67		63.7	40-140	11.4	30	
2,4,5-Trichlorophenol	1.19	0.34	mg/Kg wet	1.67		71.4	30-130	8.80	30	
2,4,6-Trichlorophenol	1.23	0.34	mg/Kg wet	1.67		73.6	30-130	6.83	50	
Surrogate: 2-Fluorophenol	*5.03*		mg/Kg wet	6.67		75.4	30-130			
Surrogate: Phenol-d6	*4.86*		mg/Kg wet	6.67		72.8	30-130			
Surrogate: Nitrobenzene-d5	*2.66*		mg/Kg wet	3.33		79.8	30-130			
Surrogate: 2-Fluorobiphenyl	*2.94*		mg/Kg wet	3.33		88.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*7.02*		mg/Kg wet	6.67		105	30-130			
Surrogate: p-Terphenyl-d14	*3.11*		mg/Kg wet	3.33		93.4	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184002 - SW-846 3540C										
Blank (B184002-BLK1)				Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.170*		mg/Kg wet	0.200		85.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.180*		mg/Kg wet	0.200		90.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.175*		mg/Kg wet	0.200		87.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.4	30-150			
LCS (B184002-BS1)				Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		99.1	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.0	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		86.3	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.3	40-140			
Surrogate: Decachlorobiphenyl	*0.200*		mg/Kg wet	0.200		99.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.211*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
LCS Dup (B184002-BSD1)				Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.9	40-140	8.55	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.9	40-140	5.29	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		80.2	40-140	7.29	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.8	40-140	7.68	30	
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		92.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg wet	0.200		97.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg wet	0.200		90.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg wet	0.200		92.7	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B184002 - SW-846 3540C										
Matrix Spike (B184002-MS1)		**Source: 17H0059-09**		Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.22	0.10	mg/Kg dry	0.203	ND	110	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg dry	0.203	ND	104	40-140			
Aroclor-1260	0.40	0.10	mg/Kg dry	0.203	0.21	94.4	40-140			
Aroclor-1260 [2C]	0.43	0.10	mg/Kg dry	0.203	0.23	101	40-140			
Surrogate: Decachlorobiphenyl	*0.163*		mg/Kg dry	0.203		80.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg dry	0.203		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg dry	0.203		88.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg dry	0.203		92.5	30-150			
Matrix Spike Dup (B184002-MSD1)		**Source: 17H0059-09**		Prepared: 08/14/17 Analyzed: 08/23/17						
Aroclor-1016	0.22	0.10	mg/Kg dry	0.203	ND	108	40-140	2.14	50	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg dry	0.203	ND	101	40-140	3.35	50	
Aroclor-1260	0.42	0.10	mg/Kg dry	0.203	0.21	106	40-140	5.61	50	
Aroclor-1260 [2C]	0.45	0.10	mg/Kg dry	0.203	0.23	108	40-140	3.51	50	
Surrogate: Decachlorobiphenyl	*0.164*		mg/Kg dry	0.203		80.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg dry	0.203		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.175*		mg/Kg dry	0.203		86.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg dry	0.203		91.8	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183688 - SW-846 3546										
Blank (B183688-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*2.64*		mg/Kg wet	3.33		79.3	50-150			
LCS (B183688-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17						
CT ETPH	22.0	10	mg/Kg wet	33.3		66.1	60-120			
Surrogate: o-Terphenyl	*2.66*		mg/Kg wet	3.33		79.9	50-150			
LCS Dup (B183688-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17						
CT ETPH	22.0	10	mg/Kg wet	33.3		66.1	60-120	0.00241	30	
Surrogate: o-Terphenyl	*2.51*		mg/Kg wet	3.33		75.4	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183537 - SW-846 7471										
Blank (B183537-BLK1)				Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B183537-BS1)				Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	9.14	1.9	mg/Kg wet	9.36		97.6	73.7-126.3			
LCS Dup (B183537-BSD1)				Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	8.96	1.9	mg/Kg wet	9.36		95.7	73.7-126.3	1.95	30	
Batch B183630 - SW-846 3050B										
Blank (B183630-BLK1)				Prepared: 08/08/17 Analyzed: 08/09/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	1.6	1.0	mg/Kg wet							B
LCS (B183630-BS1)				Prepared: 08/08/17 Analyzed: 08/09/17						
Antimony	71.2	5.0	mg/Kg wet	88.2		80.7	0-210.3			
Arsenic	51.9	5.0	mg/Kg wet	57.0		91.0	77.8-122.1			
Barium	107	5.0	mg/Kg wet	110		96.8	82-117.4			
Beryllium	69.6	0.50	mg/Kg wet	67.5		103	82.3-117.7			
Cadmium	78.1	0.50	mg/Kg wet	77.8		100	81.9-118.2			
Chromium	64.8	1.0	mg/Kg wet	65.0		99.7	78.7-120.6			
Copper	57.0	1.0	mg/Kg wet	56.4		101	80.4-119.6			
Lead	76.0	1.5	mg/Kg wet	85.6		88.8	82.4-117.8			
Nickel	60.1	1.0	mg/Kg wet	61.3		98.1	82.2-117.8			
Selenium	69.6	10	mg/Kg wet	78.9		88.3	77.1-122.3			
Silver	53.0	1.0	mg/Kg wet	54.2		97.7	74.3-125.4			
Thallium	164	5.0	mg/Kg wet	178		92.1	78.2-121.6			
Vanadium	49.6	2.0	mg/Kg wet	56.3		88.2	64.8-135.2			
Zinc	200	2.0	mg/Kg wet	198		101	79.7-120.8			B

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183630 - SW-846 3050B											
LCS Dup (B183630-BSD1)				Prepared: 08/08/17 Analyzed: 08/09/17							
Antimony	74.8	5.0	mg/Kg wet	88.2		84.8		0-210.3	4.95	30	
Arsenic	54.3	5.0	mg/Kg wet	57.0		95.3		77.8-122.1	4.65	30	
Barium	109	5.0	mg/Kg wet	110		98.7		82-117.4	1.86	30	
Beryllium	67.3	0.50	mg/Kg wet	67.5		99.7		82.3-117.7	3.42	30	
Cadmium	83.7	0.50	mg/Kg wet	77.8		108		81.9-118.2	6.98	30	
Chromium	67.6	0.99	mg/Kg wet	65.0		104		78.7-120.6	4.33	30	
Copper	58.9	0.99	mg/Kg wet	56.4		104		80.4-119.6	3.29	30	
Lead	76.5	1.5	mg/Kg wet	85.6		89.4		82.4-117.8	0.647	30	
Nickel	63.3	0.99	mg/Kg wet	61.3		103		82.2-117.8	5.15	30	
Selenium	73.8	9.9	mg/Kg wet	78.9		93.6		77.1-122.3	5.81	30	
Silver	56.3	0.99	mg/Kg wet	54.2		104		74.3-125.4	6.04	30	
Thallium	176	5.0	mg/Kg wet	178		99.0		78.2-121.6	7.19	30	
Vanadium	52.2	2.0	mg/Kg wet	56.3		92.7		64.8-135.2	4.97	30	
Zinc	206	2.0	mg/Kg wet	198		104		79.7-120.8	3.17	30	B
MRL Check (B183630-MRL1)				Prepared: 08/08/17 Analyzed: 08/09/17							
Lead	0.993	0.74	mg/Kg wet	0.735		**135**	*	80-120			L-10
Batch B183902 - SW-846 3050B											
Blank (B183902-BLK1)				Prepared: 08/11/17 Analyzed: 08/14/17							
Zinc	ND	1.0	mg/Kg wet								
LCS (B183902-BS1)				Prepared: 08/11/17 Analyzed: 08/14/17							
Zinc	178	2.0	mg/Kg wet	209		85.1		79.7-120.8			
LCS Dup (B183902-BSD1)				Prepared: 08/11/17 Analyzed: 08/14/17							
Zinc	187	2.0	mg/Kg wet	209		89.4		79.7-120.8	5.00	30	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183482 - % Solids										
Duplicate (B183482-DUP4)		**Source: 17H0059-09**		Prepared: 08/07/17 Analyzed: 08/08/17						
% Solids	95.5		% Wt		96.5			1.04	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC3-SO-3-1

Lab Sample ID: 17H0059-04

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-45-1

Lab Sample ID: 17H0059-08

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.73	
	2	0.000	-0.030	0.030	0.78	6.6
Aroclor-1268	1	0.000	-0.030	0.030	0.48	
	2	0.000	-0.030	0.030	0.50	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-45-2

Lab Sample ID: 17H0059-09

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.23	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-46-2A

Lab Sample ID: 17H0059-16

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.13	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-33-1

Lab Sample ID: 17H0059-19

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.91	
	2	0.000	-0.030	0.030	1.0	8.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-SO-33-2

Lab Sample ID: 17H0059-20

Date(s) Analyzed: 08/23/2017 08/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.13	8.0

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated blank as well as in the sample.
B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
L-10	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be bias on the high side.
RL-12	Elevated reporting limit due to matrix interference.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH,ME,NC,VA
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH
Fluorene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

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Email: info@contestlabs.com

17H0059

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCB	PAH	ETPH	SVOCs	RSR 15 Metal	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
01	WS-AOC9-SO-47-2	8/1/17	11:02		X	S	U	X								
02	WS-AOC9-SO-47-3A		11:04					X								
03	WS-AOC9-SO-47-3B		11:06						X	X						
04	WS-AOC3-SO-3-1		11:10					X								
05	WS-AOC3-SO-3-2		11:11					X		X	X	X	X			
06	WS-AOC3-SO-3-3		11:12					X		X	X	X	X			
07	WS-AOC3-SO-3-4		11:13					X		X	X	X				
08	WS-AOC9-SO-45-1		11:40					X								
09	WS-AOC9-SO-45-2		11:42					X								
10	WS-AOC9-SO-45-3A		11:44					X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
WS-AOC9-SO-45-2 (MS-MSD)
Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 8/1/17 1525
Received by: (signature)	Date/Time: 8/1/17 1525
Relinquished by: (signature)	Date/Time: 8/1/17 SPL
Received by: (signature) 3.9	Date/Time: 8/1/17 1700
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
GT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required

PWSID #
8/1/17 1700

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Table of Contents

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Email: info@contestlabs.com

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCB	PAH	ETPH	# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC9-SO-45-3B	8/1/17	11:46		X	S	U		X	X			
12	WS-AOC9-SO-34-1	↓	11:43		↓	↓	↓	X					
13	WS-AOC9-SO-34-2		11:44					X					
14	WS-AOC9-SO-34-3		11:45					X	X	X			
15	WS-AOC9-SO-46-1		12:00					X					
16	WS-AOC9-SO-46-2A		12:02					X					
17	WS-AOC9-SO-46-2B		12:04						X	X			
18	WS-AOC9-SO-46-3		12:06					X					
19	WS-AOC9-SO-33-1		12:00					X					
20	WS-AOC9-SO-33-2	↓	12:01		↓	↓	↓	X					

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 8/1/17 1525
Received by: (signature)	Date/Time: 8/1/17 1525
Relinquished by: (signature)	Date/Time: 8/1/17 1705
Received by: (signature) 3.9	Date/Time: 8/1/17 1700
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT: RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID #

8/1/17 1700

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 8/1/17 Time 1700

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.9, 2.8, 3.2
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? N/A Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	26
Meoh-	2	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	4	Other Plastic		Other Glass		Encore	2
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/1/17 1700	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A081017.SEC\A0810007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/10/17
Data File Name	A0810007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	549789	587403	-6
c - 10	1.63	570796	587403	-3
c - 12	2.35	588096	587403	0
c - 14	3.01	598274	587403	2
c - 16	3.62	610876	587403	4
c - 18	4.23	602897	587403	3
o-Terphenyl	4.51	673282	587403	
c - 20	4.84	609692	587403	4
c - 22	5.34	618889	587403	5
c - 24	5.78	575484	587403	-2
c - 26	6.17	603193	587403	3
c - 28	6.53	591414	587403	1
c - 30	6.86	587541	587403	0
c - 32	7.17	570324	587403	-3
c - 34	7.46	568452	587403	-3
c - 36	7.78	565330	587403	-4

* One compound allowed %D <= 50%

Samples

17H0066-01RE1
17H0066-02RE1

D:\HPCHEM\1\DATA\A081017\A0810006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/10/17
Data File Name	A0810006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	431989	461906	-6
c - 10	1.64	447601	461906	-3
c - 12	2.37	460504	461906	0
c - 14	3.05	469314	461906	2
c - 16	3.66	480138	461906	4
c - 18	4.29	474119	461906	3
o-Terphenyl	4.57	522769	461906	
c - 20	4.90	477615	461906	3
c - 22	5.40	480223	461906	4
c - 24	5.84	443377	461906	-4
c - 26	6.24	463794	461906	0
c - 28	6.60	458650	461906	-1
c - 30	6.93	461551	461906	0
c - 32	7.25	457112	461906	-1
c - 34	7.54	461242	461906	0
c - 36	7.90	461367	461906	0

* One compound allowed %D <= 50%

Samples

17H0058-12
17H0058-13
17H0059-06
17H0059-07
17H0059-11
17H0059-14
17H0059-17
17H0059-05
17H0058-06@5X
17H0058-08@5X
17H0058-18@5X
17H0059-03@5X
17H0064-07

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H0059

Laboratory Sample ID(s):

17H0059-01 thru 17H0059-20

Sample Date(s):

08/01/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **08/24/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 1, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H0064

Enclosed are results of analyses for samples received by the laboratory on August 1, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/1/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H0064

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC-12W-CO-116	17H0064-01	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-117	17H0064-02	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-118	17H0064-03	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-119	17H0064-04	Product/Solid		SW-846 8082A	
WS-AOC-12W-CO-120	17H0064-05	Product/Solid		SW-846 8082A	
WS-AOC9-SO-DUP-39	17H0064-06	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC3-SO-DUP-40	17H0064-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC9-SO-DUP-41	17H0064-08	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-DUP-42	17H0064-09	Soil		SM 2540G	
				SW-846 8082A	
WS-AOC9-SO-DUP-43	17H0064-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
WS-AOC9-SO-DUP-44	17H0064-11	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 9/1/2017 - 17H0064-11 ID revised.

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CTDEP ETPH

Qualifications:

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

o-Terphenyl

17H0064-10[WS-AOC9-SO-DUP-43]

SW-846 6010C-D

Qualifications:

B

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Zinc

17H0064-07[WS-AOC3-SO-DUP-40], B183630-BLK1, B183630-BS1, B183630-BSD1

B-07

Data is not affected by elevated level in blank since sample result is >10x level found in the blank.

Analyte & Samples(s) Qualified:

Zinc

17H0064-07[WS-AOC3-SO-DUP-40]

L-10

The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be bias on the high side.

Analyte & Samples(s) Qualified:

Lead

17H0064-07[WS-AOC3-SO-DUP-40], B183630-MRL1

SW-846 8260C

Qualifications:

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Tetrahydrofuran

17H0064-07[WS-AOC3-SO-DUP-40], B183261-BLK1, B183261-BS1

SW-846 8270D

Qualifications:

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

Fluoranthene

17H0064-10[WS-AOC9-SO-DUP-43]

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

17H0064-07[WS-AOC3-SO-DUP-40], B183689-BLK1, B183689-BS1, B183689-BSD1

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SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Meghan E. Kelley
Project Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC-12W-CO-116 Sampled: 8/1/2017 14:50

Sample ID: 17H0064-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:01	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:01	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:01	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:01	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:01	KAL
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:01	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:01	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:01	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.9	30-150		8/11/17 1:01
Decachlorobiphenyl [2]	102	30-150		8/11/17 1:01
Tetrachloro-m-xylene [1]	81.7	30-150		8/11/17 1:01
Tetrachloro-m-xylene [2]	93.8	30-150		8/11/17 1:01

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC-12W-CO-117 Sampled: 8/1/2017 14:55

Sample ID: 17H0064-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:19	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:19	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:19	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:19	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:19	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:19	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:19	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:19	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.2	30-150		8/11/17 1:19
Decachlorobiphenyl [2]	107	30-150		8/11/17 1:19
Tetrachloro-m-xylene [1]	97.7	30-150		8/11/17 1:19
Tetrachloro-m-xylene [2]	109	30-150		8/11/17 1:19

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC-12W-CO-118 Sampled: 8/1/2017 14:40

Sample ID: 17H0064-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:36	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:36	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:36	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:36	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:36	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:36	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:36	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:36	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:36	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		8/11/17 1:36
Decachlorobiphenyl [2]	106	30-150		8/11/17 1:36
Tetrachloro-m-xylene [1]	96.9	30-150		8/11/17 1:36
Tetrachloro-m-xylene [2]	109	30-150		8/11/17 1:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC-12W-CO-119 Sampled: 8/1/2017 14:35

Sample ID: 17H0064-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:54	KAL
Aroclor-1221 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:54	KAL
Aroclor-1232 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:54	KAL
Aroclor-1242 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:54	KAL
Aroclor-1248 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:54	KAL
Aroclor-1254 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:54	KAL
Aroclor-1260 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:54	KAL
Aroclor-1262 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:54	KAL
Aroclor-1268 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 1:54	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.8	30-150		8/11/17 1:54
Decachlorobiphenyl [2]	99.4	30-150		8/11/17 1:54
Tetrachloro-m-xylene [1]	93.6	30-150		8/11/17 1:54
Tetrachloro-m-xylene [2]	103	30-150		8/11/17 1:54

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC-12W-CO-120 Sampled: 8/1/2017 14:30

Sample ID: 17H0064-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 2:11	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 2:11	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 2:11	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 2:11	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 2:11	KAL
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 2:11	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 2:11	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 2:11	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	8/7/17	8/11/17 2:11	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.9	30-150		8/11/17 2:11
Decachlorobiphenyl [2]	101	30-150		8/11/17 2:11
Tetrachloro-m-xylene [1]	95.8	30-150		8/11/17 2:11
Tetrachloro-m-xylene [2]	106	30-150		8/11/17 2:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-39 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:32	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:32	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:32	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:32	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:32	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:32	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:32	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:32	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.6	30-150		8/24/17 21:32
Decachlorobiphenyl [2]	86.2	30-150		8/24/17 21:32
Tetrachloro-m-xylene [1]	75.2	30-150		8/24/17 21:32
Tetrachloro-m-xylene [2]	79.7	30-150		8/24/17 21:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-39 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.7		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-DUP-40 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Acrylonitrile	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Bromomethane	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Carbon Disulfide	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Chlorodibromomethane	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Chloromethane	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,2-Dibromoethane (EDB)	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,1-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,3-Dichloropropane	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
cis-1,3-Dichloropropene	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
trans-1,3-Dichloropropene	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-DUP-40 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Tetrahydrofuran	ND	0.0073	mg/Kg dry	1	V-16	SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
Vinyl Chloride	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/3/17	8/3/17 16:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	110	70-130		8/3/17 16:12
Toluene-d8	104	70-130		8/3/17 16:12
4-Bromofluorobenzene	101	70-130		8/3/17 16:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-DUP-40 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Aniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Benzo(a)anthracene	0.93	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Benzo(a)pyrene	0.82	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Benzo(b)fluoranthene	1.1	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Benzo(g,h,i)perylene	0.59	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Benzo(k)fluoranthene	0.43	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Bis(2-chloroethoxy)methane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Bis(2-chloroisopropyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
4-Bromophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Butylbenzylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Carbazole	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
4-Chloroaniline	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
4-Chloro-3-methylphenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2-Chloronaphthalene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2-Chlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
4-Chlorophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Chrysene	0.97	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Dibenz(a,h)anthracene	0.18	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Dibenzofuran	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Di-n-butylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
3,3-Dichlorobenzidine	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2,4-Dichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Diethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2,4-Dimethylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Dimethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2,4-Dinitrophenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2,4-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2,6-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Di-n-octylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Fluoranthene	1.3	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Hexachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Hexachlorobutadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Hexachlorocyclopentadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Hexachloroethane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Indeno(1,2,3-cd)pyrene	0.57	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Isophorone	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-DUP-40 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
3/4-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
3-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
4-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Nitrobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2-Nitrophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
4-Nitrophenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
N-Nitrosodiphenylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
N-Nitrosodi-n-propylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Pentachloronitrobenzene	ND	0.35	mg/Kg dry	1	V-16	SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Pentachlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Phenanthrene	0.54	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Phenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Pyrene	1.4	0.17	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
Pyridine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
1,2,4-Trichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2,4,5-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL
2,4,6-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/9/17	8/10/17 20:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.3	30-130		8/10/17 20:59
Phenol-d6	57.4	30-130		8/10/17 20:59
Nitrobenzene-d5	68.8	30-130		8/10/17 20:59
2-Fluorobiphenyl	73.7	30-130		8/10/17 20:59
2,4,6-Tribromophenol	63.3	30-130		8/10/17 20:59
p-Terphenyl-d14	74.9	30-130		8/10/17 20:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-DUP-40 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:44	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:44	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:44	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:44	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:44	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:44	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:44	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:44	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:44	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.2	30-150		8/24/17 21:44
Decachlorobiphenyl [2]	90.5	30-150		8/24/17 21:44
Tetrachloro-m-xylene [1]	83.9	30-150		8/24/17 21:44
Tetrachloro-m-xylene [2]	87.4	30-150		8/24/17 21:44

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-DUP-40 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	34	10	mg/Kg dry	1		CTDEP ETPH	8/9/17	8/10/17 13:49	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	62.6	50-150		8/10/17 13:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-DUP-40 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Arsenic	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Barium	36	2.5	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Beryllium	0.34	0.25	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Cadmium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Chromium	8.1	0.49	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Copper	36	0.49	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Lead	27	0.74	mg/Kg dry	1	L-10	SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Mercury	0.048	0.025	mg/Kg dry	1		SW-846 7471B	8/8/17	8/10/17 11:23	SCB
Nickel	11	0.49	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Selenium	ND	4.9	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Silver	ND	0.49	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Vanadium	16	0.99	mg/Kg dry	1		SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW
Zinc	83	0.99	mg/Kg dry	1	B, B-07	SW-846 6010C-D	8/8/17	8/9/17 17:18	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC3-SO-DUP-40 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.6		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-41 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:56	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:56	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:56	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:56	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:56	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:56	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:56	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:56	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 21:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		8/24/17 21:56
Decachlorobiphenyl [2]	94.6	30-150		8/24/17 21:56
Tetrachloro-m-xylene [1]	91.8	30-150		8/24/17 21:56
Tetrachloro-m-xylene [2]	95.5	30-150		8/24/17 21:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-41 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.3		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-42 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:09	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:09	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:09	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:09	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:09	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:09	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:09	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:09	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.7	30-150		8/24/17 22:09
Decachlorobiphenyl [2]	93.9	30-150		8/24/17 22:09
Tetrachloro-m-xylene [1]	93.7	30-150		8/24/17 22:09
Tetrachloro-m-xylene [2]	93.2	30-150		8/24/17 22:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-42 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-43 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.52	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Acenaphthylene	ND	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Anthracene	1.1	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Benzo(a)anthracene	2.3	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Benzo(a)pyrene	2.2	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Benzo(b)fluoranthene	2.5	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Benzo(g,h,i)perylene	1.7	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Benzo(k)fluoranthene	0.88	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Chrysene	2.2	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Dibenz(a,h)anthracene	ND	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Fluoranthene	5.1	0.52	mg/Kg dry	2	RL-12	SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Fluorene	ND	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Indeno(1,2,3-cd)pyrene	1.4	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
2-Methylnaphthalene	ND	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Naphthalene	0.83	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Phenanthrene	3.0	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL
Pyrene	5.6	0.52	mg/Kg dry	2		SW-846 8270D	8/9/17	8/15/17 20:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Nitrobenzene-d5	33.7	30-130		8/15/17 20:35
2-Fluorobiphenyl	30.9	30-130		8/15/17 20:35
p-Terphenyl-d14	37.2	30-130		8/15/17 20:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-43 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1100	380	mg/Kg dry	25		CTDEP ETPH	8/9/17	8/11/17 1:09	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	8/11/17 1:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-43 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.0		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-44 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:21	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:21	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:21	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:21	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:21	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:21	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:21	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:21	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/9/17	8/24/17 22:21	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.5	30-150		8/24/17 22:21
Decachlorobiphenyl [2]	90.2	30-150		8/24/17 22:21
Tetrachloro-m-xylene [1]	84.6	30-150		8/24/17 22:21
Tetrachloro-m-xylene [2]	91.0	30-150		8/24/17 22:21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H0064

Date Received: 8/1/2017

Field Sample #: WS-AOC9-SO-DUP-44 Sampled: 8/1/2017 00:00

Sample ID: 17H0064-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/7/17	8/8/17 8:53	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0064-07 [WS-AOC3-SO-DUP-40]	B183688	30.0	1.00	08/09/17
17H0064-10 [WS-AOC9-SO-DUP-43]	B183688	30.0	1.00	08/09/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H0064-06 [WS-AOC9-SO-DUP-39]	B183482	08/07/17
17H0064-07 [WS-AOC3-SO-DUP-40]	B183482	08/07/17
17H0064-08 [WS-AOC9-SO-DUP-41]	B183482	08/07/17
17H0064-09 [WS-AOC9-SO-DUP-42]	B183482	08/07/17
17H0064-10 [WS-AOC9-SO-DUP-43]	B183482	08/07/17
17H0064-11 [WS-AOC9-SO-DUP-44]	B183482	08/07/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0064-07 [WS-AOC3-SO-DUP-40]	B183630	1.04	50.0	08/08/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0064-07 [WS-AOC3-SO-DUP-40]	B183537	0.603	50.0	08/08/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0064-01 [WS-AOC-12W-CO-116]	B183543	2.10	10.0	08/07/17
17H0064-02 [WS-AOC-12W-CO-117]	B183543	2.48	10.0	08/07/17
17H0064-03 [WS-AOC-12W-CO-118]	B183543	2.04	10.0	08/07/17
17H0064-04 [WS-AOC-12W-CO-119]	B183543	2.39	10.0	08/07/17
17H0064-05 [WS-AOC-12W-CO-120]	B183543	2.16	10.0	08/07/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0064-06 [WS-AOC9-SO-DUP-39]	B183729	10.0	10.0	08/09/17
17H0064-07 [WS-AOC3-SO-DUP-40]	B183729	10.0	10.0	08/09/17
17H0064-08 [WS-AOC9-SO-DUP-41]	B183729	10.0	10.0	08/09/17
17H0064-09 [WS-AOC9-SO-DUP-42]	B183729	10.0	10.0	08/09/17
17H0064-11 [WS-AOC9-SO-DUP-44]	B183729	10.0	10.0	08/09/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0064-07 [WS-AOC3-SO-DUP-40]	B183261	7.02	10.0	08/03/17

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H0064-07 [WS-AOC3-SO-DUP-40]	B183689	30.0	1.00	08/09/17
17H0064-10 [WS-AOC9-SO-DUP-43]	B183689	30.0	1.00	08/09/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183261 - SW-846 5035										
Blank (B183261-BLK1)				Prepared & Analyzed: 08/03/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183261 - SW-846 5035										
Blank (B183261-BLK1)				Prepared & Analyzed: 08/03/17						
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0504*		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	*0.0527*		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0516*		mg/Kg wet	0.0500		103	70-130			
LCS (B183261-BS1)				Prepared & Analyzed: 08/03/17						
Acetone	0.185	0.10	mg/Kg wet	0.200		92.6	70-130			
Acrylonitrile	0.0258	0.0060	mg/Kg wet	0.0200		129	70-130			
Benzene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
Bromobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.9	70-130			
Bromodichloromethane	0.0175	0.0020	mg/Kg wet	0.0200		87.4	70-130			
Bromoform	0.0161	0.0020	mg/Kg wet	0.0200		80.5	70-130			
Bromomethane	0.0193	0.010	mg/Kg wet	0.0200		96.5	70-130			
2-Butanone (MEK)	0.239	0.040	mg/Kg wet	0.200		120	70-130			
n-Butylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130			
sec-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
Carbon Disulfide	0.202	0.0060	mg/Kg wet	0.200		101	70-130			
Carbon Tetrachloride	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
Chlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.0	70-130			
Chlorodibromomethane	0.0188	0.0010	mg/Kg wet	0.0200		93.9	70-130			
Chloroethane	0.0169	0.020	mg/Kg wet	0.0200		84.7	70-130			
Chloroform	0.0187	0.0040	mg/Kg wet	0.0200		93.4	70-130			
Chloromethane	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
2-Chlorotoluene	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
4-Chlorotoluene	0.0177	0.0020	mg/Kg wet	0.0200		88.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,2-Dibromoethane (EDB)	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130			
Dibromomethane	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,2-Dichlorobenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,3-Dichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130			
1,4-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
trans-1,4-Dichloro-2-butene	0.0196	0.0040	mg/Kg wet	0.0200		97.9	70-130			
Dichlorodifluoromethane (Freon 12)	0.0222	0.020	mg/Kg wet	0.0200		111	70-130			
1,1-Dichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2-Dichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1-Dichloroethylene	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183261 - SW-846 5035										
LCS (B183261-BS1)				Prepared & Analyzed: 08/03/17						
cis-1,2-Dichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		99.9	70-130			
trans-1,2-Dichloroethylene	0.0253	0.0020	mg/Kg wet	0.0200		126	70-130			
1,2-Dichloropropane	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		101	70-130			
2,2-Dichloropropane	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130			
1,1-Dichloropropene	0.0185	0.0020	mg/Kg wet	0.0200		92.4	70-130			
cis-1,3-Dichloropropene	0.0190	0.0010	mg/Kg wet	0.0200		94.9	70-130			
trans-1,3-Dichloropropene	0.0179	0.0010	mg/Kg wet	0.0200		89.4	70-130			
Ethylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Hexachlorobutadiene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
2-Hexanone (MBK)	0.229	0.020	mg/Kg wet	0.200		114	70-130			
Isopropylbenzene (Cumene)	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
p-Isopropyltoluene (p-Cymene)	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		93.1	70-130			
Methylene Chloride	0.0233	0.020	mg/Kg wet	0.0200		117	70-130			
4-Methyl-2-pentanone (MIBK)	0.233	0.020	mg/Kg wet	0.200		116	70-130			
Naphthalene	0.0162	0.0040	mg/Kg wet	0.0200		80.9	70-130			
n-Propylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130			
Styrene	0.0178	0.0020	mg/Kg wet	0.0200		89.0	70-130			
1,1,1,2-Tetrachloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
1,1,2,2-Tetrachloroethane	0.0169	0.0010	mg/Kg wet	0.0200		84.5	70-130			
Tetrachloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130			
Tetrahydrofuran	0.0183	0.010	mg/Kg wet	0.0200		91.6	70-130			V-16
Toluene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,2,3-Trichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		83.8	70-130			
1,2,4-Trichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		90.8	70-130			
1,1,1-Trichloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2-Trichloroethane	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130			
Trichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
Trichlorofluoromethane (Freon 11)	0.0231	0.010	mg/Kg wet	0.0200		116	70-130			
1,2,3-Trichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0224	0.010	mg/Kg wet	0.0200		112	70-130			
1,2,4-Trimethylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
1,3,5-Trimethylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
Vinyl Chloride	0.0188	0.010	mg/Kg wet	0.0200		93.8	70-130			
m+p Xylene	0.0376	0.0040	mg/Kg wet	0.0400		94.0	70-130			
o-Xylene	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0506*		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	*0.0531*		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0520*		mg/Kg wet	0.0500		104	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183689 - SW-846 3546										
Blank (B183689-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183689 - SW-846 3546										
Blank (B183689-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17						
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*5.26*		mg/Kg wet	6.67		79.0	30-130			
Surrogate: Phenol-d6	*5.05*		mg/Kg wet	6.67		75.7	30-130			
Surrogate: Nitrobenzene-d5	*2.74*		mg/Kg wet	3.33		82.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.84*		mg/Kg wet	3.33		85.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.74*		mg/Kg wet	6.67		101	30-130			
Surrogate: p-Terphenyl-d14	*3.47*		mg/Kg wet	3.33		104	30-130			
LCS (B183689-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17						
Acenaphthene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140			
Acenaphthylene	1.23	0.17	mg/Kg wet	1.67		73.9	40-140			
Aniline	1.03	0.34	mg/Kg wet	1.67		61.8	40-140			†
Anthracene	1.29	0.17	mg/Kg wet	1.67		77.6	40-140			
Benzo(a)anthracene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140			
Benzo(a)pyrene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140			
Benzo(b)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.1	40-140			
Benzo(g,h,i)perylene	1.64	0.17	mg/Kg wet	1.67		98.2	40-140			
Benzo(k)fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.1	40-140			
Bis(2-chloroethoxy)methane	1.27	0.34	mg/Kg wet	1.67		76.1	40-140			
Bis(2-chloroethyl)ether	1.08	0.34	mg/Kg wet	1.67		65.1	40-140			
Bis(2-chloroisopropyl)ether	1.10	0.34	mg/Kg wet	1.67		65.9	40-140			
Bis(2-Ethylhexyl)phthalate	1.55	0.34	mg/Kg wet	1.67		93.2	40-140			
4-Bromophenylphenylether	1.40	0.34	mg/Kg wet	1.67		83.7	40-140			
Butylbenzylphthalate	1.48	0.34	mg/Kg wet	1.67		88.7	40-140			
Carbazole	1.25	0.17	mg/Kg wet	1.67		75.2	40-140			
4-Chloroaniline	0.988	0.66	mg/Kg wet	1.67		59.3	40-140			†
4-Chloro-3-methylphenol	1.35	0.66	mg/Kg wet	1.67		81.0	30-130			
2-Chloronaphthalene	1.04	0.34	mg/Kg wet	1.67		62.3	40-140			
2-Chlorophenol	1.17	0.34	mg/Kg wet	1.67		70.1	30-130			
4-Chlorophenylphenylether	1.36	0.34	mg/Kg wet	1.67		81.6	40-140			
Chrysene	1.34	0.17	mg/Kg wet	1.67		80.2	40-140			
Dibenz(a,h)anthracene	1.58	0.17	mg/Kg wet	1.67		94.6	40-140			
Dibenzofuran	1.31	0.34	mg/Kg wet	1.67		78.8	40-140			
Di-n-butylphthalate	1.34	0.34	mg/Kg wet	1.67		80.7	40-140			
3,3-Dichlorobenzidine	0.978	0.17	mg/Kg wet	1.67		58.7	40-140			†
2,4-Dichlorophenol	1.29	0.34	mg/Kg wet	1.67		77.4	30-130			
Diethylphthalate	1.40	0.34	mg/Kg wet	1.67		84.1	40-140			
2,4-Dimethylphenol	1.28	0.34	mg/Kg wet	1.67		76.9	30-130			
Dimethylphthalate	1.34	0.34	mg/Kg wet	1.67		80.4	40-140			
4,6-Dinitro-2-methylphenol	1.07	0.34	mg/Kg wet	1.67		64.5	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B183689 - SW-846 3546											
LCS (B183689-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17							
2,4-Dinitrophenol	0.782	0.66	mg/Kg wet	1.67		46.9	30-130				
2,4-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		73.2	40-140				
2,6-Dinitrotoluene	1.32	0.34	mg/Kg wet	1.67		79.3	40-140				
Di-n-octylphthalate	1.41	0.34	mg/Kg wet	1.67		84.5	40-140				
Fluoranthene	1.27	0.17	mg/Kg wet	1.67		75.9	40-140				
Fluorene	1.29	0.17	mg/Kg wet	1.67		77.2	40-140				
Hexachlorobenzene	1.35	0.34	mg/Kg wet	1.67		81.1	40-140				
Hexachlorobutadiene	1.29	0.34	mg/Kg wet	1.67		77.5	40-140				
Hexachlorocyclopentadiene	0.856	0.34	mg/Kg wet	1.67		51.4	30-140				
Hexachloroethane	1.11	0.34	mg/Kg wet	1.67		66.8	40-140				
Indeno(1,2,3-cd)pyrene	1.55	0.17	mg/Kg wet	1.67		92.8	40-140				
Isophorone	1.27	0.34	mg/Kg wet	1.67		75.9	40-140				
2-Methylnaphthalene	1.26	0.17	mg/Kg wet	1.67		75.4	40-140				
2-Methylphenol	1.11	0.34	mg/Kg wet	1.67		66.7	30-130				
3/4-Methylphenol	1.13	0.34	mg/Kg wet	1.67		67.8	30-130				
Naphthalene	1.19	0.17	mg/Kg wet	1.67		71.1	40-140				
2-Nitroaniline	1.32	0.34	mg/Kg wet	1.67		79.1	40-140				
3-Nitroaniline	1.13	0.34	mg/Kg wet	1.67		67.9	40-140				†
4-Nitroaniline	1.23	0.34	mg/Kg wet	1.67		73.9	40-140				
Nitrobenzene	1.23	0.34	mg/Kg wet	1.67		73.5	40-140				
2-Nitrophenol	1.20	0.34	mg/Kg wet	1.67		72.1	30-130				
4-Nitrophenol	1.06	0.66	mg/Kg wet	1.67		63.3	10-130				
N-Nitrosodiphenylamine	1.76	0.34	mg/Kg wet	1.67		105	40-140				
N-Nitrosodi-n-propylamine	1.15	0.34	mg/Kg wet	1.67		69.2	40-140				
Pentachloronitrobenzene	1.45	0.34	mg/Kg wet	1.67		87.1	40-140			V-16	
Pentachlorophenol	0.872	0.34	mg/Kg wet	1.67		52.3	30-130				
Phenanthrene	1.28	0.17	mg/Kg wet	1.67		77.0	40-140				
Phenol	1.12	0.34	mg/Kg wet	1.67		67.1	20-130				
Pyrene	1.30	0.17	mg/Kg wet	1.67		77.8	40-140				
Pyridine	0.832	0.34	mg/Kg wet	1.67		49.9	10-140				†
1,2,4,5-Tetrachlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.4	40-140				
1,2,4-Trichlorobenzene	1.19	0.34	mg/Kg wet	1.67		71.4	40-140				
2,4,5-Trichlorophenol	1.30	0.34	mg/Kg wet	1.67		78.0	30-130				
2,4,6-Trichlorophenol	1.31	0.34	mg/Kg wet	1.67		78.8	30-130				
Surrogate: 2-Fluorophenol	*5.54*		mg/Kg wet	6.67		83.1	30-130				
Surrogate: Phenol-d6	*5.42*		mg/Kg wet	6.67		81.2	30-130				
Surrogate: Nitrobenzene-d5	*2.99*		mg/Kg wet	3.33		89.7	30-130				
Surrogate: 2-Fluorobiphenyl	*3.15*		mg/Kg wet	3.33		94.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*7.51*		mg/Kg wet	6.67		113	30-130				
Surrogate: p-Terphenyl-d14	*3.40*		mg/Kg wet	3.33		102	30-130				
LCS Dup (B183689-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17							
Acenaphthene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140	7.64	30		
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.4	40-140	7.81	30		
Aniline	0.961	0.34	mg/Kg wet	1.67		57.6	40-140	6.93	50		† ‡
Anthracene	1.18	0.17	mg/Kg wet	1.67		70.5	40-140	9.53	30		
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140	8.54	30		
Benzo(a)pyrene	1.26	0.17	mg/Kg wet	1.67		75.8	40-140	7.49	30		
Benzo(b)fluoranthene	1.16	0.17	mg/Kg wet	1.67		69.8	40-140	0.515	30		
Benzo(g,h,i)perylene	1.50	0.17	mg/Kg wet	1.67		90.0	40-140	8.76	30		
Benzo(k)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	9.28	30		
Bis(2-chloroethoxy)methane	1.14	0.34	mg/Kg wet	1.67		68.2	40-140	10.9	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B183689 - SW-846 3546											
LCS Dup (B183689-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17							
Bis(2-chloroethyl)ether	0.986	0.34	mg/Kg wet	1.67		59.2	40-140	9.56	30		
Bis(2-chloroisopropyl)ether	0.953	0.34	mg/Kg wet	1.67		57.2	40-140	14.3	30		
Bis(2-Ethylhexyl)phthalate	1.40	0.34	mg/Kg wet	1.67		84.2	40-140	10.1	30		
4-Bromophenylphenylether	1.29	0.34	mg/Kg wet	1.67		77.5	40-140	7.66	30		
Butylbenzylphthalate	1.32	0.34	mg/Kg wet	1.67		79.4	40-140	11.1	30		
Carbazole	1.15	0.17	mg/Kg wet	1.67		68.9	40-140	8.63	30		
4-Chloroaniline	0.936	0.66	mg/Kg wet	1.67		56.2	40-140	5.44	30		†
4-Chloro-3-methylphenol	1.22	0.66	mg/Kg wet	1.67		72.9	30-130	10.5	30		
2-Chloronaphthalene	0.961	0.34	mg/Kg wet	1.67		57.6	40-140	7.83	30		
2-Chlorophenol	1.07	0.34	mg/Kg wet	1.67		64.3	30-130	8.60	30		
4-Chlorophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.6	40-140	6.32	30		
Chrysene	1.22	0.17	mg/Kg wet	1.67		73.0	40-140	9.43	30		
Dibenz(a,h)anthracene	1.45	0.17	mg/Kg wet	1.67		86.8	40-140	8.60	30		
Dibenzofuran	1.22	0.34	mg/Kg wet	1.67		73.3	40-140	7.23	30		
Di-n-butylphthalate	1.23	0.34	mg/Kg wet	1.67		73.6	40-140	9.20	30		
3,3-Dichlorobenzidine	0.957	0.17	mg/Kg wet	1.67		57.4	40-140	2.17	30		† ‡
2,4-Dichlorophenol	1.19	0.34	mg/Kg wet	1.67		71.2	30-130	8.29	30		
Diethylphthalate	1.29	0.34	mg/Kg wet	1.67		77.6	40-140	8.06	30		
2,4-Dimethylphenol	1.17	0.34	mg/Kg wet	1.67		70.2	30-130	9.14	30		
Dimethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.1	40-140	8.08	50		
4,6-Dinitro-2-methylphenol	0.998	0.34	mg/Kg wet	1.67		59.9	30-130	7.43	50		
2,4-Dinitrophenol	0.646	0.66	mg/Kg wet	1.67		38.8	30-130	19.1	50		
2,4-Dinitrotoluene	1.11	0.34	mg/Kg wet	1.67		66.5	40-140	9.59	30		
2,6-Dinitrotoluene	1.19	0.34	mg/Kg wet	1.67		71.4	40-140	10.5	30		
Di-n-octylphthalate	1.28	0.34	mg/Kg wet	1.67		76.5	40-140	9.91	30		
Fluoranthene	1.16	0.17	mg/Kg wet	1.67		69.9	40-140	8.28	30		
Fluorene	1.19	0.17	mg/Kg wet	1.67		71.6	40-140	7.58	30		
Hexachlorobenzene	1.25	0.34	mg/Kg wet	1.67		75.0	40-140	7.89	30		
Hexachlorobutadiene	1.19	0.34	mg/Kg wet	1.67		71.2	40-140	8.50	30		
Hexachlorocyclopentadiene	0.818	0.34	mg/Kg wet	1.67		49.1	30-140	4.62	50		
Hexachloroethane	1.03	0.34	mg/Kg wet	1.67		61.6	40-140	8.16	50		
Indeno(1,2,3-cd)pyrene	1.40	0.17	mg/Kg wet	1.67		83.9	40-140	10.1	50		
Indeno(1,2,3-cd)pyrene	1.40	0.17	mg/Kg wet	1.67		83.9	40-140	10.1	30		
Isophorone	1.12	0.34	mg/Kg wet	1.67		67.1	40-140	12.4	30		
2-Methylnaphthalene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	10.5	30		
2-Methylphenol	0.991	0.34	mg/Kg wet	1.67		59.5	30-130	11.5	30		
3/4-Methylphenol	1.02	0.34	mg/Kg wet	1.67		61.1	30-130	10.3	30		
Naphthalene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140	9.36	30		
2-Nitroaniline	1.17	0.34	mg/Kg wet	1.67		70.3	40-140	11.8	30		
3-Nitroaniline	1.09	0.34	mg/Kg wet	1.67		65.6	40-140	3.41	30		†
4-Nitroaniline	1.10	0.34	mg/Kg wet	1.67		65.9	40-140	11.4	30		
Nitrobenzene	1.08	0.34	mg/Kg wet	1.67		64.8	40-140	12.6	30		
2-Nitrophenol	1.10	0.34	mg/Kg wet	1.67		66.0	30-130	8.81	30		
4-Nitrophenol	0.924	0.66	mg/Kg wet	1.67		55.5	10-130	13.3	50		‡
N-Nitrosodiphenylamine	1.62	0.34	mg/Kg wet	1.67		97.2	40-140	7.96	30		
N-Nitrosodi-n-propylamine	1.02	0.34	mg/Kg wet	1.67		61.3	40-140	12.0	30		
Pentachloronitrobenzene	1.40	0.34	mg/Kg wet	1.67		84.3	40-140	3.31	30	V-16	
Pentachlorophenol	0.799	0.34	mg/Kg wet	1.67		47.9	30-130	8.82	50		
Phenanthrene	1.18	0.17	mg/Kg wet	1.67		70.5	40-140	8.84	30		
Phenol	1.01	0.34	mg/Kg wet	1.67		60.4	20-130	10.5	30		
Pyrene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140	9.48	30		
Pyridine	0.753	0.34	mg/Kg wet	1.67		45.2	10-140	10.0	50		†

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183689 - SW-846 3546										
LCS Dup (B183689-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17						
1,2,4,5-Tetrachlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.0	40-140	5.65	30	
1,2,4-Trichlorobenzene	1.06	0.34	mg/Kg wet	1.67		63.7	40-140	11.4	30	
2,4,5-Trichlorophenol	1.19	0.34	mg/Kg wet	1.67		71.4	30-130	8.80	30	
2,4,6-Trichlorophenol	1.23	0.34	mg/Kg wet	1.67		73.6	30-130	6.83	50	
Surrogate: 2-Fluorophenol	*5.03*		mg/Kg wet	6.67		75.4	30-130			
Surrogate: Phenol-d6	*4.86*		mg/Kg wet	6.67		72.8	30-130			
Surrogate: Nitrobenzene-d5	*2.66*		mg/Kg wet	3.33		79.8	30-130			
Surrogate: 2-Fluorobiphenyl	*2.94*		mg/Kg wet	3.33		88.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*7.02*		mg/Kg wet	6.67		105	30-130			
Surrogate: p-Terphenyl-d14	*3.11*		mg/Kg wet	3.33		93.4	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183543 - SW-846 3540C										
Blank (B183543-BLK1)				Prepared: 08/07/17 Analyzed: 08/10/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.901*		mg/Kg	1.00		90.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.970*		mg/Kg	1.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.925*		mg/Kg	1.00		92.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.991*		mg/Kg	1.00		99.1	30-150			
LCS (B183543-BS1)				Prepared: 08/07/17 Analyzed: 08/10/17						
Aroclor-1016	0.99	0.10	mg/Kg	1.00		99.4	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Aroclor-1260	0.91	0.10	mg/Kg	1.00		90.9	40-140			
Aroclor-1260 [2C]	0.91	0.10	mg/Kg	1.00		91.2	40-140			
Surrogate: Decachlorobiphenyl	*0.945*		mg/Kg	1.00		94.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.956*		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.04*		mg/Kg	1.00		104	30-150			
LCS Dup (B183543-BSD1)				Prepared: 08/07/17 Analyzed: 08/10/17						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		100	40-140	0.916	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140	0.551	30	
Aroclor-1260	0.90	0.10	mg/Kg	1.00		89.7	40-140	1.34	30	
Aroclor-1260 [2C]	0.90	0.10	mg/Kg	1.00		90.4	40-140	0.890	30	
Surrogate: Decachlorobiphenyl	*0.912*		mg/Kg	1.00		91.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.968*		mg/Kg	1.00		96.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.03*		mg/Kg	1.00		103	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183543 - SW-846 3540C										
Matrix Spike (B183543-MS1)		**Source: 17H0064-01**		Prepared: 08/07/17 Analyzed: 08/11/17						
Aroclor-1016	0.78	0.085	mg/Kg	0.851	ND	91.9	40-140			
Aroclor-1016 [2C]	0.88	0.085	mg/Kg	0.851	ND	104	40-140			
Aroclor-1260	0.76	0.085	mg/Kg	0.851	ND	89.1	40-140			
Aroclor-1260 [2C]	0.80	0.085	mg/Kg	0.851	ND	93.7	40-140			
Surrogate: Decachlorobiphenyl	*0.807*		mg/Kg	0.851		94.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.884*		mg/Kg	0.851		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.686*		mg/Kg	0.851		80.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.772*		mg/Kg	0.851		90.7	30-150			
Matrix Spike Dup (B183543-MSD1)		**Source: 17H0064-01**		Prepared: 08/07/17 Analyzed: 08/11/17						
Aroclor-1016	0.74	0.082	mg/Kg	0.823	ND	89.5	40-140	5.91	50	
Aroclor-1016 [2C]	0.81	0.082	mg/Kg	0.823	ND	98.9	40-140	8.11	50	
Aroclor-1260	0.71	0.082	mg/Kg	0.823	ND	86.0	40-140	6.90	50	
Aroclor-1260 [2C]	0.74	0.082	mg/Kg	0.823	ND	90.0	40-140	7.43	50	
Surrogate: Decachlorobiphenyl	*0.764*		mg/Kg	0.823		92.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.828*		mg/Kg	0.823		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.635*		mg/Kg	0.823		77.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.712*		mg/Kg	0.823		86.5	30-150			
Batch B183729 - SW-846 3540C										
Blank (B183729-BLK1)				Prepared: 08/09/17 Analyzed: 08/24/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.170*		mg/Kg wet	0.200		84.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.185*		mg/Kg wet	0.200		92.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.171*		mg/Kg wet	0.200		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.174*		mg/Kg wet	0.200		87.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183729 - SW-846 3540C										
LCS (B183729-BS1)				Prepared: 08/09/17 Analyzed: 08/24/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		89.4	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.8	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		82.5	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		85.3	40-140			
Surrogate: Decachlorobiphenyl	*0.201*		mg/Kg wet	0.200		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.182*		mg/Kg wet	0.200		91.1	30-150			
LCS Dup (B183729-BSD1)				Prepared: 08/09/17 Analyzed: 08/24/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		87.1	40-140	2.56	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		93.7	40-140	2.22	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.3	40-140	4.01	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.8	40-140	4.10	30	
Surrogate: Decachlorobiphenyl	*0.185*		mg/Kg wet	0.200		92.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.200		87.5	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183688 - SW-846 3546										
Blank (B183688-BLK1)				Prepared: 08/09/17 Analyzed: 08/10/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*2.64*		mg/Kg wet	3.33		79.3	50-150			
LCS (B183688-BS1)				Prepared: 08/09/17 Analyzed: 08/10/17						
CT ETPH	22.0	10	mg/Kg wet	33.3		66.1	60-120			
Surrogate: o-Terphenyl	*2.66*		mg/Kg wet	3.33		79.9	50-150			
LCS Dup (B183688-BSD1)				Prepared: 08/09/17 Analyzed: 08/10/17						
CT ETPH	22.0	10	mg/Kg wet	33.3		66.1	60-120	0.00241	30	
Surrogate: o-Terphenyl	*2.51*		mg/Kg wet	3.33		75.4	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B183537 - SW-846 7471										
Blank (B183537-BLK1)				Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B183537-BS1)				Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	9.14	1.9	mg/Kg wet	9.36		97.6	73.7-126.3			
LCS Dup (B183537-BSD1)				Prepared: 08/08/17 Analyzed: 08/10/17						
Mercury	8.96	1.9	mg/Kg wet	9.36		95.7	73.7-126.3	1.95	30	
Batch B183630 - SW-846 3050B										
Blank (B183630-BLK1)				Prepared: 08/08/17 Analyzed: 08/09/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	1.6	1.0	mg/Kg wet							B
LCS (B183630-BS1)				Prepared: 08/08/17 Analyzed: 08/09/17						
Antimony	71.2	5.0	mg/Kg wet	88.2		80.7	0-210.3			
Arsenic	51.9	5.0	mg/Kg wet	57.0		91.0	77.8-122.1			
Barium	107	5.0	mg/Kg wet	110		96.8	82-117.4			
Beryllium	69.6	0.50	mg/Kg wet	67.5		103	82.3-117.7			
Cadmium	78.1	0.50	mg/Kg wet	77.8		100	81.9-118.2			
Chromium	64.8	1.0	mg/Kg wet	65.0		99.7	78.7-120.6			
Copper	57.0	1.0	mg/Kg wet	56.4		101	80.4-119.6			
Lead	76.0	1.5	mg/Kg wet	85.6		88.8	82.4-117.8			
Nickel	60.1	1.0	mg/Kg wet	61.3		98.1	82.2-117.8			
Selenium	69.6	10	mg/Kg wet	78.9		88.3	77.1-122.3			
Silver	53.0	1.0	mg/Kg wet	54.2		97.7	74.3-125.4			
Thallium	164	5.0	mg/Kg wet	178		92.1	78.2-121.6			
Vanadium	49.6	2.0	mg/Kg wet	56.3		88.2	64.8-135.2			
Zinc	200	2.0	mg/Kg wet	198		101	79.7-120.8			B

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B183630 - SW-846 3050B											
LCS Dup (B183630-BSD1)				Prepared: 08/08/17 Analyzed: 08/09/17							
Antimony	74.8	5.0	mg/Kg wet	88.2		84.8		0-210.3	4.95	30	
Arsenic	54.3	5.0	mg/Kg wet	57.0		95.3		77.8-122.1	4.65	30	
Barium	109	5.0	mg/Kg wet	110		98.7		82-117.4	1.86	30	
Beryllium	67.3	0.50	mg/Kg wet	67.5		99.7		82.3-117.7	3.42	30	
Cadmium	83.7	0.50	mg/Kg wet	77.8		108		81.9-118.2	6.98	30	
Chromium	67.6	0.99	mg/Kg wet	65.0		104		78.7-120.6	4.33	30	
Copper	58.9	0.99	mg/Kg wet	56.4		104		80.4-119.6	3.29	30	
Lead	76.5	1.5	mg/Kg wet	85.6		89.4		82.4-117.8	0.647	30	
Nickel	63.3	0.99	mg/Kg wet	61.3		103		82.2-117.8	5.15	30	
Selenium	73.8	9.9	mg/Kg wet	78.9		93.6		77.1-122.3	5.81	30	
Silver	56.3	0.99	mg/Kg wet	54.2		104		74.3-125.4	6.04	30	
Thallium	176	5.0	mg/Kg wet	178		99.0		78.2-121.6	7.19	30	
Vanadium	52.2	2.0	mg/Kg wet	56.3		92.7		64.8-135.2	4.97	30	
Zinc	206	2.0	mg/Kg wet	198		104		79.7-120.8	3.17	30	B
MRL Check (B183630-MRL1)				Prepared: 08/08/17 Analyzed: 08/09/17							
Lead	0.993	0.74	mg/Kg wet	0.735		**135**	*	80-120			L-10

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B	Analyte is found in the associated blank as well as in the sample.
B-07	Data is not affected by elevated level in blank since sample result is >10x level found in the blank.
L-10	The reporting limit verification for the AIHA lead program is outside of control limits for this element. Any reported result at or near the detection limit may be bias on the high side.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH
Fluorene	CT,NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

17H00064

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	(Soxhlet) PCB	# of Containers	[2] Preservation Code	[3] Container Code
01	WS-AOC12W-CO-116	8/1/17	14:50		X	O		X			
02	WS-AOC12W-CO-117		14:55					X			
03	WS-AOC12W-CO-118		14:40					X			
04	WS-AOC12W-CO-119		14:35					X			
05	WS-AOC12W-CO-120		14:30					X			

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 8/1/17 1525
Received by: (signature)	Date/Time: 8/1/17 1556
Relinquished by: (signature)	Date/Time: 8/1/17 5PM
Received by: (signature) 3.9	Date/Time: 8/1/17 1700
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID #

8/1/17 1700

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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17H0064

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
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39 Spruce Street
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Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	(Soxhlet) PCB	PAH	ETPH	SVOCs	RSR 15 Metal	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
06	WS-AOC9-SO-DUP-39	8/1/17			X	S	U	X								
07	WS-AOC3-SO-DUP-40							X		X	X	X	X			
08	WS-AOC9-SO-DUP-41							X								
09	WS-AOC9-SO-DUP-42							X								
10	WS-AOC9-SO-DUP-43							X	X	X						
11	WS-AOC9-SO-DUP-44							X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
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B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
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Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 8/1/17 1525
Received by: (signature)	Date/Time: 8/1/17 1525
Relinquished by: (signature)	Date/Time: 8/1/17 3PM
Received by: (signature) 3.9	Date/Time: 8/1/17 1700
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information

○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID #

8/1/17 1700

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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39 Spruce St.
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F: 413-525-6405
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con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 8/1/17 Time 1700

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.9, 2.8, 3.2
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? F
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ____
Are there Rushes? N/A Who was notified? ____
Are there Short Holds? N/A Who was notified? ____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	7
Meoh-	1	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	5
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	2	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/1/17 1700	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A081017.SEC\A0810007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/10/17
Data File Name	A0810007.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	549789	587403	-6
c - 10	1.63	570796	587403	-3
c - 12	2.35	588096	587403	0
c - 14	3.01	598274	587403	2
c - 16	3.62	610876	587403	4
c - 18	4.23	602897	587403	3
o-Terphenyl	4.51	673282	587403	
c - 20	4.84	609692	587403	4
c - 22	5.34	618889	587403	5
c - 24	5.78	575484	587403	-2
c - 26	6.17	603193	587403	3
c - 28	6.53	591414	587403	1
c - 30	6.86	587541	587403	0
c - 32	7.17	570324	587403	-3
c - 34	7.46	568452	587403	-3
c - 36	7.78	565330	587403	-4

* One compound allowed %D <= 50%

Samples

17H0066-01RE1
17H0066-02RE1

D:\HPCHEM\1\DATA\A081017\A0810006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/10/17
Data File Name	A0810006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	431989	461906	-6
c - 10	1.64	447601	461906	-3
c - 12	2.37	460504	461906	0
c - 14	3.05	469314	461906	2
c - 16	3.66	480138	461906	4
c - 18	4.29	474119	461906	3
o-Terphenyl	4.57	522769	461906	
c - 20	4.90	477615	461906	3
c - 22	5.40	480223	461906	4
c - 24	5.84	443377	461906	-4
c - 26	6.24	463794	461906	0
c - 28	6.60	458650	461906	-1
c - 30	6.93	461551	461906	0
c - 32	7.25	457112	461906	-1
c - 34	7.54	461242	461906	0
c - 36	7.90	461367	461906	0

* One compound allowed %D <= 50%

Samples

17H0058-12
17H0058-13
17H0059-06
17H0059-07
17H0059-11
17H0059-14
17H0059-17
17H0059-05
17H0058-06@5X
17H0058-08@5X
17H0058-18@5X
17H0059-03@5X
17H0064-07

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H0064

Laboratory Sample ID(s):

17H0064-01 thru 17H0064-11

Sample Date(s):

08/01/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **08/25/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 5, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1283

Enclosed are results of analyses for samples received by the laboratory on August 23, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/5/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1283

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC10-CO-40	17H1283-01	Product/Solid		SW-846 8082A	
WS-AOC10-CO-41	17H1283-02	Product/Solid		SW-846 8082A	
WS-AOC10-CO-42	17H1283-03	Product/Solid		SW-846 8082A	
WS-AOC10-CO-43	17H1283-04	Product/Solid		SW-846 8082A	
WS-AOC10-CO-44	17H1283-05	Product/Solid		SW-846 8082A	
WS-AOC10-CO-45	17H1283-06	Product/Solid		SW-846 8082A	
WS-AOC3-CO-4	17H1283-07	Product/Solid		SW-846 8082A	
WS-AOC3-CO-5	17H1283-08	Product/Solid		SW-846 8082A	
WS-AOC9-AS-44	17H1283-09	Product/Solid		SW-846 8082A	
WS-AOC9-AS-46	17H1283-10	Product/Solid		SW-846 8082A	
WS-AOC9-AS-47	17H1283-11	Product/Solid		SW-846 8082A	
WS-AOC9-AS-48	17H1283-12	Product/Solid		SW-846 8082A	
WS-AOC9-CO-68	17H1283-13	Product/Solid		SW-846 8082A	
WS-AOC9-CO-69	17H1283-14	Product/Solid		SW-846 8082A	
WS-AOC9-CO-70	17H1283-15	Product/Solid		SW-846 8082A	
WS-AOC9-CO-71	17H1283-16	Product/Solid		SW-846 8082A	
WS-AOC9-CO-72	17H1283-17	Product/Solid		SW-846 8082A	
WS-AOC9-CO-73	17H1283-18	Product/Solid		SW-846 8082A	
WS-AOC9-CO-74	17H1283-19	Product/Solid		SW-846 8082A	
WS-AOC9-CO-75	17H1283-20	Product/Solid		SW-846 8082A	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-40 Sampled: 8/23/2017 10:00

Sample ID: 17H1283-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1260 [1]	0.45	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.8	30-150		9/2/17 21:05
Decachlorobiphenyl [2]	86.1	30-150		9/2/17 21:05
Tetrachloro-m-xylene [1]	101	30-150		9/2/17 21:05
Tetrachloro-m-xylene [2]	69.3	30-150		9/2/17 21:05

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-41 Sampled: 8/23/2017 10:10

Sample ID: 17H1283-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1248 [1]	0.11	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1260 [2]	0.31	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.4	30-150		9/2/17 21:23
Decachlorobiphenyl [2]	77.2	30-150		9/2/17 21:23
Tetrachloro-m-xylene [1]	93.4	30-150		9/2/17 21:23
Tetrachloro-m-xylene [2]	74.3	30-150		9/2/17 21:23

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-42 Sampled: 8/23/2017 10:20

Sample ID: 17H1283-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1248 [1]	0.14	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1260 [2]	0.12	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		9/2/17 21:40
Decachlorobiphenyl [2]	81.6	30-150		9/2/17 21:40
Tetrachloro-m-xylene [1]	102	30-150		9/2/17 21:40
Tetrachloro-m-xylene [2]	79.1	30-150		9/2/17 21:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-43 Sampled: 8/23/2017 10:30

Sample ID: 17H1283-04

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1260 [1]	0.28	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 21:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.2	30-150		9/2/17 21:58
Decachlorobiphenyl [2]	80.0	30-150		9/2/17 21:58
Tetrachloro-m-xylene [1]	98.9	30-150		9/2/17 21:58
Tetrachloro-m-xylene [2]	70.6	30-150		9/2/17 21:58

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-44 Sampled: 8/23/2017 10:40

Sample ID: 17H1283-05

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1260 [1]	0.41	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.1	30-150		9/2/17 22:15
Decachlorobiphenyl [2]	84.8	30-150		9/2/17 22:15
Tetrachloro-m-xylene [1]	105	30-150		9/2/17 22:15
Tetrachloro-m-xylene [2]	76.2	30-150		9/2/17 22:15

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC10-CO-45 Sampled: 8/23/2017 10:50

Sample ID: 17H1283-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1248 [1]	0.12	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1260 [1]	0.19	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.3	30-150		9/2/17 22:33
Decachlorobiphenyl [2]	75.7	30-150		9/2/17 22:33
Tetrachloro-m-xylene [1]	86.4	30-150		9/2/17 22:33
Tetrachloro-m-xylene [2]	71.6	30-150		9/2/17 22:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC3-CO-4 Sampled: 8/23/2017 11:00

Sample ID: 17H1283-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 22:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		9/2/17 22:50
Decachlorobiphenyl [2]	90.9	30-150		9/2/17 22:50
Tetrachloro-m-xylene [1]	115	30-150		9/2/17 22:50
Tetrachloro-m-xylene [2]	79.3	30-150		9/2/17 22:50

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC3-CO-5 Sampled: 8/23/2017 11:10

Sample ID: 17H1283-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/2/17 23:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	117	30-150		9/2/17 23:07
Decachlorobiphenyl [2]	97.7	30-150		9/2/17 23:07
Tetrachloro-m-xylene [1]	114	30-150		9/2/17 23:07
Tetrachloro-m-xylene [2]	76.9	30-150		9/2/17 23:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-44 Sampled: 8/23/2017 11:30

Sample ID: 17H1283-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.4	30-150		9/3/17 9:31
Decachlorobiphenyl [2]	82.1	30-150		9/3/17 9:31
Tetrachloro-m-xylene [1]	94.5	30-150		9/3/17 9:31
Tetrachloro-m-xylene [2]	72.0	30-150		9/3/17 9:31

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-46 Sampled: 8/23/2017 11:35

Sample ID: 17H1283-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1260 [1]	0.10	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 9:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.2	30-150		9/3/17 9:48
Decachlorobiphenyl [2]	73.2	30-150		9/3/17 9:48
Tetrachloro-m-xylene [1]	88.2	30-150		9/3/17 9:48
Tetrachloro-m-xylene [2]	70.9	30-150		9/3/17 9:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-47 Sampled: 8/23/2017 11:40

Sample ID: 17H1283-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.7	30-150		9/3/17 10:06
Decachlorobiphenyl [2]	69.7	30-150		9/3/17 10:06
Tetrachloro-m-xylene [1]	86.2	30-150		9/3/17 10:06
Tetrachloro-m-xylene [2]	71.7	30-150		9/3/17 10:06

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-AS-48 Sampled: 8/23/2017 11:45

Sample ID: 17H1283-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1260 [1]	0.14	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 10:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.5	30-150		9/3/17 10:23
Decachlorobiphenyl [2]	71.9	30-150		9/3/17 10:23
Tetrachloro-m-xylene [1]	80.5	30-150		9/3/17 10:23
Tetrachloro-m-xylene [2]	74.8	30-150		9/3/17 10:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-68 Sampled: 8/23/2017 11:50

Sample ID: 17H1283-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 1:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.7	30-150		9/3/17 1:57
Decachlorobiphenyl [2]	75.1	30-150		9/3/17 1:57
Tetrachloro-m-xylene [1]	110	30-150		9/3/17 1:57
Tetrachloro-m-xylene [2]	85.1	30-150		9/3/17 1:57

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-69 Sampled: 8/23/2017 11:55

Sample ID: 17H1283-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.6	30-150		9/3/17 2:14
Decachlorobiphenyl [2]	82.6	30-150		9/3/17 2:14
Tetrachloro-m-xylene [1]	115	30-150		9/3/17 2:14
Tetrachloro-m-xylene [2]	81.6	30-150		9/3/17 2:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-70 Sampled: 8/23/2017 12:00

Sample ID: 17H1283-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		9/3/17 2:32
Decachlorobiphenyl [2]	78.9	30-150		9/3/17 2:32
Tetrachloro-m-xylene [1]	110	30-150		9/3/17 2:32
Tetrachloro-m-xylene [2]	78.2	30-150		9/3/17 2:32

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-71 Sampled: 8/23/2017 12:05

Sample ID: 17H1283-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 2:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		9/3/17 2:49
Decachlorobiphenyl [2]	84.5	30-150		9/3/17 2:49
Tetrachloro-m-xylene [1]	114	30-150		9/3/17 2:49
Tetrachloro-m-xylene [2]	78.7	30-150		9/3/17 2:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-72 Sampled: 8/23/2017 12:10

Sample ID: 17H1283-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/3/17 3:07
Decachlorobiphenyl [2]	88.8	30-150		9/3/17 3:07
Tetrachloro-m-xylene [1]	116	30-150		9/3/17 3:07
Tetrachloro-m-xylene [2]	79.2	30-150		9/3/17 3:07

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-73 Sampled: 8/23/2017 12:15

Sample ID: 17H1283-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		9/3/17 3:25
Decachlorobiphenyl [2]	93.6	30-150		9/3/17 3:25
Tetrachloro-m-xylene [1]	118	30-150		9/3/17 3:25
Tetrachloro-m-xylene [2]	79.5	30-150		9/3/17 3:25

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-74 Sampled: 8/23/2017 12:20

Sample ID: 17H1283-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 3:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	115	30-150		9/3/17 3:42
Decachlorobiphenyl [2]	94.4	30-150		9/3/17 3:42
Tetrachloro-m-xylene [1]	115	30-150		9/3/17 3:42
Tetrachloro-m-xylene [2]	74.8	30-150		9/3/17 3:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1283

Date Received: 8/23/2017

Field Sample #: WS-AOC9-CO-75 Sampled: 8/23/2017 12:25

Sample ID: 17H1283-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	8/28/17	9/3/17 4:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		9/3/17 4:00
Decachlorobiphenyl [2]	92.4	30-150		9/3/17 4:00
Tetrachloro-m-xylene [1]	114	30-150		9/3/17 4:00
Tetrachloro-m-xylene [2]	78.0	30-150		9/3/17 4:00

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1283-01 [WS-AOC10-CO-40]	B185074	2.00	10.0	08/28/17
17H1283-02 [WS-AOC10-CO-41]	B185074	2.00	10.0	08/28/17
17H1283-03 [WS-AOC10-CO-42]	B185074	2.00	10.0	08/28/17
17H1283-04 [WS-AOC10-CO-43]	B185074	2.00	10.0	08/28/17
17H1283-05 [WS-AOC10-CO-44]	B185074	2.00	10.0	08/28/17
17H1283-06 [WS-AOC10-CO-45]	B185074	2.00	10.0	08/28/17
17H1283-07 [WS-AOC3-CO-4]	B185074	2.00	10.0	08/28/17
17H1283-08 [WS-AOC3-CO-5]	B185074	2.00	10.0	08/28/17
17H1283-09 [WS-AOC9-AS-44]	B185074	2.00	10.0	08/28/17
17H1283-10 [WS-AOC9-AS-46]	B185074	2.00	10.0	08/28/17
17H1283-11 [WS-AOC9-AS-47]	B185074	2.00	10.0	08/28/17
17H1283-12 [WS-AOC9-AS-48]	B185074	2.00	10.0	08/28/17
17H1283-13 [WS-AOC9-CO-68]	B185074	2.00	10.0	08/28/17
17H1283-14 [WS-AOC9-CO-69]	B185074	2.00	10.0	08/28/17
17H1283-15 [WS-AOC9-CO-70]	B185074	2.00	10.0	08/28/17
17H1283-16 [WS-AOC9-CO-71]	B185074	2.00	10.0	08/28/17
17H1283-17 [WS-AOC9-CO-72]	B185074	2.00	10.0	08/28/17
17H1283-18 [WS-AOC9-CO-73]	B185074	2.00	10.0	08/28/17
17H1283-19 [WS-AOC9-CO-74]	B185074	2.00	10.0	08/28/17
17H1283-20 [WS-AOC9-CO-75]	B185074	2.00	10.0	08/28/17

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185074 - SW-846 3540C										
Blank (B185074-BLK1)				Prepared: 08/28/17 Analyzed: 09/02/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.974*		mg/Kg	1.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.856*		mg/Kg	1.00		85.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.05*		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.807*		mg/Kg	1.00		80.7	30-150			
LCS (B185074-BS1)				Prepared: 08/28/17 Analyzed: 09/02/17						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		99.6	40-140			
Aroclor-1016 [2C]	0.97	0.10	mg/Kg	1.00		97.2	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.3	40-140			
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		88.2	40-140			
Surrogate: Decachlorobiphenyl	*0.999*		mg/Kg	1.00		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.891*		mg/Kg	1.00		89.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.808*		mg/Kg	1.00		80.8	30-150			
LCS Dup (B185074-BSD1)				Prepared: 08/28/17 Analyzed: 09/02/17						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		105	40-140	4.92	30	
Aroclor-1016 [2C]	0.99	0.10	mg/Kg	1.00		99.1	40-140	1.98	30	
Aroclor-1260	0.89	0.10	mg/Kg	1.00		89.3	40-140	1.14	30	
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		87.5	40-140	0.809	30	
Surrogate: Decachlorobiphenyl	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.900*		mg/Kg	1.00		90.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.09*		mg/Kg	1.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.816*		mg/Kg	1.00		81.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185074 - SW-846 3540C										
Matrix Spike (B185074-MS1)		**Source: 17H1283-18**		Prepared: 08/28/17 Analyzed: 09/02/17						
Aroclor-1016	1.1	0.10	mg/Kg	1.00	ND	108	40-140			
Aroclor-1016 [2C]	0.83	0.10	mg/Kg	1.00	ND	83.1	40-140			
Aroclor-1260	0.86	0.10	mg/Kg	1.00	ND	85.9	40-140			
Aroclor-1260 [2C]	0.85	0.10	mg/Kg	1.00	ND	85.4	40-140			
Surrogate: Decachlorobiphenyl	*1.15*		mg/Kg	1.00		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.974*		mg/Kg	1.00		97.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.14*		mg/Kg	1.00		114	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.777*		mg/Kg	1.00		77.7	30-150			
Matrix Spike Dup (B185074-MSD1)		**Source: 17H1283-18**		Prepared: 08/28/17 Analyzed: 09/02/17						
Aroclor-1016	0.74	0.10	mg/Kg	1.00	ND	74.5	40-140	36.8	50	
Aroclor-1016 [2C]	0.68	0.10	mg/Kg	1.00	ND	67.9	40-140	20.2	50	
Aroclor-1260	0.82	0.10	mg/Kg	1.00	ND	82.0	40-140	4.57	50	
Aroclor-1260 [2C]	0.82	0.10	mg/Kg	1.00	ND	81.5	40-140	4.64	50	
Surrogate: Decachlorobiphenyl	*1.23*		mg/Kg	1.00		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	*1.17*		mg/Kg	1.00		117	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.784*		mg/Kg	1.00		78.4	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-40

Lab Sample ID: 17H1283-01

Date(s) Analyzed: 09/02/2017 09/02/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.45	
	2	0.000	0.000	0.000	0.43	4.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-41

Lab Sample ID: 17H1283-02

Date(s) Analyzed: 09/02/2017 09/02/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.10	9.5
Aroclor-1260	1	0.000	0.000	0.000	0.30	
	2	0.000	0.000	0.000	0.31	3.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-42

Lab Sample ID: 17H1283-03

Date(s) Analyzed: 09/02/2017 09/02/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.13	7.4
Aroclor-1260	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.12	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-43

Lab Sample ID: 17H1283-04

Date(s) Analyzed: 09/02/2017 09/02/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.28	
	2	0.000	0.000	0.000	0.26	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-44

Lab Sample ID: 17H1283-05

Date(s) Analyzed: 09/02/2017 09/02/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.40	2.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC10-CO-45

Lab Sample ID: 17H1283-06

Date(s) Analyzed: 09/02/2017 09/02/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.12	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.19	
	2	0.000	0.000	0.000	0.18	5.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC9-AS-48

Lab Sample ID: 17H1283-12

Date(s) Analyzed: 09/03/2017 09/03/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.13	7.4

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H 1283

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Doc # 381 Rev 1_03242017

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Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Company Name:	Weston & Sampson
Address:	273 Dividend Rd, Rocky Hill, CT
Phone:	860-513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	William Sirotnak

Requested Turnaround Time: 7-Day ☑ 10-Day ☐ Due Date:

Rush-Approval Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Data Delivery: Format: PDF ☑ EXCEL ☑ Other: CLP Like Data Pkg Required: ☐ Email To: beelerm@wse.com Fax To #:

ANALYSIS REQUESTED: PCBs Soxhlet

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs Soxhlet											# of Containers
								1											[2] Preservation Code
								H											[3] Container Code
								A											
1	WS-AOC10-Co-40	8/23/17	1000		X	O	U	X											
2	WS-AOC10-Co-41	↓	1010		↓	↓	↓	X											
3	WS-AOC10-Co-42		1020					X											
4	WS-AOC10-Co-43		1030					X											
5	WS-AOC10-Co-44		1040					X											
6	WS-AOC10-Co-45		1050					X											
7	WS-AOC3-Co-4		1100					X											
8	WS-AOC3-Co-5		1110					X											
9	WS-AOC9-AS-44		1130					X											
10	WS-AOC9-AS-46	↓	1135		↓	↓	↓	X											

Dissolved Metals Samples: ○ Field Filtered ○ Lab to Filter

Orthophosphate Samples: ○ Field Filtered ○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) POROUS MEDIA

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) _____

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) _____

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
[signature] 8/23/17	1500
Received by: (signature) [signature] 8/23/17	1500
Relinquished by: (signature) [signature] 8/23/17	1845
Received by: (signature) [signature] 3.2 8/23/17	1845
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements: MA ; ET Rep3 Rec ; Other:

Special Requirements:
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: ☑ Soxhlet ☐ Non Soxhlet

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17H1283

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Doc # 381 Rev 1_03242017

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson
Address:	273 Dividend Rd, Rocky Hill, CT
Phone:	860-513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Quote Name/Number:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	William Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: beelerm@wse.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs via Soxhlet											# of Containers
11	WS-AOC9-AS-47	8/23/17	1140		X	O	U	X											1
12	WS-AOC9-AS-48	↓	1145		↓	↓	↓	X											1
13	WS-AOC9-Co-68		1150					X											1
14	WS-AOC9-Co-69		1155					X											1
15	WS-AOC9-Co-70		1200					X											1
16	WS-AOC9-Co-71		1205					X											1
17	WS-AOC9-Co-72		1210					X											1
18	WS-AOC9-Co-73		1215					X											1
19	WS-AOC9-Co-74		1220					X											1
20	WS-AOC9-Co-75	↓	1225		↓	↓	↓	X											1

Comments:
WS-AOC9-Co-73 = MS/MSD

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)
Focus Media

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 8/23/17 1500	Detection Limit Requirements	Special Requirements
Received by: (signature)	Date/Time: 8/23/17 1500	MA	☐ MA MCP Required
Relinquished by: (signature)	Date/Time: 8/23/17 1845		MCP Certification Form Required
Received by: (signature)	Date/Time: 8/23/17 1845		☑ CT RCP Required
Relinquished by: (signature)	Date/Time:	CT Res Dec	RCP Certification Form Required
Received by: (signature)	Date/Time:		☐ MA State DW Required
		Other:	PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☑ Soxhlet
☐ Non Soxhlet

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By A.F Date 8/23/17 Time 1845

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____
Direct from Sampling ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 3.2
By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? N/A
Are there Rushes? N/A Who was notified? N/A
Are there Short Holds? N/A Who was notified? N/A
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ____ Base ____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	22
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H1283

Laboratory Sample ID(s):

17H1283-01 thru 17H1283-20

Sample Date(s):

08/23/2017

List RCP Methods Used:

SW-846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Tod Kopyscinski **Position:** **Laboratory Director**

Printed Name: **Tod E. Kopyscinski** **Date:** **09/05/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 12, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1544

Enclosed are results of analyses for samples received by the laboratory on August 29, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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273 Dividend Road
Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC13-SE-26	17H1544-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-27	17H1544-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-28	17H1544-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-29	17H1544-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-30	17H1544-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC13-SE-31	17H1544-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SE-6	17H1544-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-16	17H1544-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-17	17H1544-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
AS-AOC8-SE-18	17H1544-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC8-SE-19	17H1544-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-24	17H1544-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-CO-26	17H1544-13	Product/Solid		SW-846 8082A	
WS-AOC13-CO-27	17H1544-14	Product/Solid		SW-846 8082A	
WS-AOC13-CO-29	17H1544-15	Product/Solid		SW-846 8082A	
WS-AOC8-CO-16	17H1544-16	Product/Solid		SW-846 8082A	
WS-AOC8-CO-17	17H1544-17	Product/Solid		SW-846 8082A	
WS-AOC8-CO-18	17H1544-18	Product/Solid		SW-846 8082A	
WS-AOC8-CO-19	17H1544-19	Product/Solid		SW-846 8082A	
WS-AOC13-SE-Dup1	17H1544-20	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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CTDEP ETPH

Qualifications:

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

o-Terphenyl

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 6010C-D

Qualifications:

DL-04

Elevated reporting limit due to high concentration of an interfering analyte(s).

Analyte & Samples(s) Qualified:

Silver

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 8082A

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aroclor-1260

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

Aroclor-1260 [2C]

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Decachlorobiphenyl [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Tetrachloro-m-xylene

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Tetrachloro-m-xylene [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

SW-846 8260C

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB

B185016-BS1

Chloromethane

B185016-BS1

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V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Tetrahydrofuran
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1], B185200-BLK1, B185200-BS1

SW-846 8270D

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Anthracene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)anthracene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(b)fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(g,h,i)perylene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(k)fluoranthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Carbazole
17H1544-11[WS-AOC8-SE-19]

Chrysene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Dibenz(a,h)anthracene
17H1544-11[WS-AOC8-SE-19]

Fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

Fluorene
17H1544-11[WS-AOC8-SE-19]

Indeno(1,2,3-cd)pyrene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Phenanthrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

MS-08

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Benzo(a)pyrene
B185495-MS1

Benzo(b)fluoranthene
B185495-MS1

Benzo(k)fluoranthene
B185495-MS1

Pentachlorophenol
B185495-MSD1

Phenanthrene
B185495-MSD1

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MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Aniline
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(g,h,i)perylene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Dibenz(a,h)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachlorocyclopentadiene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachloroethane
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyridine
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(b)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(k)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Carbazole
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Phenanthrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

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S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorobiphenyl
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Nitrobenzene-d5
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Phenol-d6
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

p-Terphenyl-d14
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544-11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24]

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1], B185495-BLK1, B185495-BS1, B185495-BSD1, B185495-MS1, B185495-MSD1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3’-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Acrylonitrile	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromomethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Butanone (MEK)	ND	0.035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Disulfide	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorodibromomethane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroform	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloromethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromoethane (EDB)	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,4-Dichloro-2-butene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichloropropane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Naphthalene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrahydrofuran	ND	0.0087	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Vinyl Chloride	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
m+p Xylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 7:26
Toluene-d8	104	70-130		8/30/17 7:26
4-Bromofluorobenzene	99.5	70-130		8/30/17 7:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)anthracene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)pyrene	0.50	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(b)fluoranthene	0.73	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(g,h,i)perylene	0.52	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(k)fluoranthene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Chrysene	0.47	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluoranthene	0.60	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Indeno(1,2,3-cd)pyrene	0.46	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyrene	0.61	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.4	30-130		9/6/17 20:28
Phenol-d6	62.3	30-130		9/6/17 20:28
Nitrobenzene-d5	64.9	30-130		9/6/17 20:28
2-Fluorobiphenyl	64.5	30-130		9/6/17 20:28
2,4,6-Tribromophenol	73.9	30-130		9/6/17 20:28
p-Terphenyl-d14	71.8	30-130		9/6/17 20:28

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1260 [1]	1.7	0.46	mg/Kg dry	20	MS-19	SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		9/9/17 23:03
Decachlorobiphenyl [2]	113	30-150		9/9/17 23:03
Tetrachloro-m-xylene [1]	93.7	30-150		9/9/17 23:03
Tetrachloro-m-xylene [2]	104	30-150		9/9/17 23:03

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	900	230	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 18:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	16	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Arsenic	26	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Barium	66	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Cadmium	1.9	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Chromium	74	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Copper	360	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Lead	190	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:08	TJK
Nickel	110	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:03	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:08	QNW
Vanadium	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Zinc	310	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Acrylonitrile	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Benzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromodichloromethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromoform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromomethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Butanone (MEK)	ND	0.061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
sec-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
tert-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Disulfide	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Tetrachloride	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorodibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroethane	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroform	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloromethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dibromomethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,4-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloropropene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Ethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Hexachlorobutadiene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Hexanone (MBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Isopropylbenzene (Cumene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Methylene Chloride	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Naphthalene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Propylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Styrene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrachloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrahydrofuran	ND	0.015	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Toluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3,5-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Vinyl Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
m+p Xylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
o-Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		8/30/17 7:55
Toluene-d8	103	70-130		8/30/17 7:55
4-Bromofluorobenzene	101	70-130		8/30/17 7:55

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Acenaphthylene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Aniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)anthracene	2.0	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)pyrene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(b)fluoranthene	3.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(g,h,i)perylene	1.7	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(k)fluoranthene	1.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethoxy)methane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroisopropyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Bromophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Butylbenzylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Carbazole	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloroaniline	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloro-3-methylphenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chloronaphthalene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chlorophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Chrysene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenz(a,h)anthracene	0.44	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenzofuran	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-butylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3,3-Dichlorobenzidine	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Diethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dimethylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dimethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4,6-Dinitro-2-methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,6-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-octylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluoranthene	3.6	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluorene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobutadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorocyclopentadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachloroethane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Indeno(1,2,3-cd)pyrene	1.8	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Isophorone	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Methylnaphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3/4-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Naphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Nitrobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitrophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodiphenylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodi-n-propylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachloronitrobenzene	ND	0.56	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenanthrene	0.93	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyrene	3.5	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyridine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4-Trichlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,5-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,6-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.2	30-130		9/6/17 20:52
Phenol-d6	52.6	30-130		9/6/17 20:52
Nitrobenzene-d5	58.0	30-130		9/6/17 20:52
2-Fluorobiphenyl	57.9	30-130		9/6/17 20:52
2,4,6-Tribromophenol	65.0	30-130		9/6/17 20:52
p-Terphenyl-d14	66.7	30-130		9/6/17 20:52

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1254 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1260 [1]	5.0	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 23:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 23:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	210	170	mg/Kg dry	10		CTDEP ETPH	9/5/17	9/8/17 16:29	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	64.1	50-150		9/8/17 16:29

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	6.2	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Arsenic	15	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Barium	180	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Beryllium	ND	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Cadmium	3.7	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Chromium	47	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Copper	650	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Lead	310	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Mercury	0.83	0.084	mg/Kg dry	2		SW-846 7471B	8/30/17	9/6/17 13:14	TJK
Nickel	160	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Selenium	37	8.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Silver	ND	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Thallium	ND	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Vanadium	450	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Zinc	1000	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 8:23
Toluene-d8	104	70-130		8/30/17 8:23
4-Bromofluorobenzene	98.3	70-130		8/30/17 8:23

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	2.1	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Acenaphthylene	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthylene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Aniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Aniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Anthracene	4.8	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Anthracene	5.5	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)anthracene	21	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)anthracene	23	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)pyrene	15	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)pyrene	16	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(b)fluoranthene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(b)fluoranthene	24	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(g,h,i)perylene	7.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(g,h,i)perylene	7.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(k)fluoranthene	8.4	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(k)fluoranthene	9.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethoxy)methane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethoxy)methane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroisopropyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroisopropyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Bromophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Bromophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Butylbenzylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Carbazole	5.6	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Carbazole	6.2	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloroaniline	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloroaniline	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloro-3-methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloro-3-methylphenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chloronaphthalene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chloronaphthalene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chlorophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chlorophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Chrysene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Chrysene	25	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	2.0	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenz(a,h)anthracene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dibenzofuran	1.6	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenzofuran	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-butylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-butylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3,3-Dichlorobenzidine	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3,3-Dichlorobenzidine	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Diethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Diethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dimethylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dimethylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dimethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4,6-Dinitro-2-methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4,6-Dinitro-2-methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,6-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,6-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-octylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluoranthene	67	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluoranthene	71	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluorene	1.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluorene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobutadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobutadiene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorocyclopentadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorocyclopentadiene	ND	7.5	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachloroethane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachloroethane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Indeno(1,2,3-cd)pyrene	8.7	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Indeno(1,2,3-cd)pyrene	8.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Isophorone	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Isophorone	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Methylnaphthalene	0.41	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylnaphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3/4-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3/4-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Naphthalene	1.2	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Naphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Nitrobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Nitrobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitrophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitrophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodiphenylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodiphenylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodi-n-propylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodi-n-propylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachloronitrobenzene	ND	0.75	mg/Kg dry	2	V-16	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachloronitrobenzene	ND	7.5	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenanthrene	45	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenanthrene	46	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyrene	61	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyrene	56	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyridine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyridine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4-Trichlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4-Trichlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,5-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,5-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,6-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,6-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.5	30-130		9/6/17 21:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		68.1	30-130					9/7/17 13:45	
Phenol-d6		57.6	30-130					9/6/17 21:16	
Phenol-d6		66.6	30-130					9/7/17 13:45	
Nitrobenzene-d5		64.2	30-130					9/6/17 21:16	
Nitrobenzene-d5		76.0	30-130					9/7/17 13:45	
2-Fluorobiphenyl		59.5	30-130					9/6/17 21:16	
2-Fluorobiphenyl		66.6	30-130					9/7/17 13:45	
2,4,6-Tribromophenol		69.0	30-130					9/6/17 21:16	
2,4,6-Tribromophenol		74.3	30-130					9/7/17 13:45	
p-Terphenyl-d14		69.3	30-130					9/6/17 21:16	
p-Terphenyl-d14		72.6	30-130					9/7/17 13:45	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1260 [2]	0.26	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		9/9/17 23:28
Decachlorobiphenyl [2]	98.3	30-150		9/9/17 23:28
Tetrachloro-m-xylene [1]	91.9	30-150		9/9/17 23:28
Tetrachloro-m-xylene [2]	95.9	30-150		9/9/17 23:28

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	720	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 18:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	19	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Arsenic	10	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Barium	61	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Cadmium	0.78	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Chromium	48	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Copper	200	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Lead	240	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Mercury	0.10	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:09	TJK
Nickel	69	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:12	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:17	QNW
Vanadium	68	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Zinc	240	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Acrylonitrile	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromomethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Disulfide	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorodibromomethane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloromethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromoethane (EDB)	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichloropropane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrahydrofuran	ND	0.0076	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Vinyl Chloride	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.8	70-130		8/30/17 9:19
Toluene-d8	105	70-130		8/30/17 9:19
4-Bromofluorobenzene	104	70-130		8/30/17 9:19

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthene	1.6	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Acenaphthylene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Aniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Aniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Anthracene	3.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)anthracene	16	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)anthracene	17	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)pyrene	13	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)pyrene	13	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(b)fluoranthene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(b)fluoranthene	19	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(g,h,i)perylene	6.2	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(g,h,i)perylene	7.7	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(k)fluoranthene	7.3	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(k)fluoranthene	6.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethoxy)methane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroisopropyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Bromophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Butylbenzylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Carbazole	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Carbazole	3.5	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloroaniline	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloro-3-methylphenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chloronaphthalene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chlorophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Chrysene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Chrysene	18	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenz(a,h)anthracene	1.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dibenzofuran	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-butylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3,3-Dichlorobenzidine	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Diethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dimethylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dimethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4,6-Dinitro-2-methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,6-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-octylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluoranthene	46	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluoranthene	52	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluorene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluorene	1.2	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobutadiene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorocyclopentadiene	ND	9.4	mg/Kg dry	25	V-05	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachloroethane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Indeno(1,2,3-cd)pyrene	6.6	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Indeno(1,2,3-cd)pyrene	8.4	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Isophorone	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Methylnaphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3/4-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Naphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Nitrobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitrophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodiphenylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodi-n-propylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachloronitrobenzene	ND	9.4	mg/Kg dry	25	V-16	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenanthrene	27	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenanthrene	30	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyrene	36	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyrene	46	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyridine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyridine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4-Trichlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,5-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,6-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	65.6	30-130		9/7/17 19:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		67.3	30-130					9/6/17 21:40	
Phenol-d6		68.4	30-130					9/7/17 19:06	
Phenol-d6		69.3	30-130					9/6/17 21:40	
Nitrobenzene-d5		76.5	30-130					9/7/17 19:06	
Nitrobenzene-d5		79.8	30-130					9/6/17 21:40	
2-Fluorobiphenyl		67.3	30-130					9/7/17 19:06	
2-Fluorobiphenyl		70.8	30-130					9/6/17 21:40	
2,4,6-Tribromophenol		86.7	30-130					9/7/17 19:06	
2,4,6-Tribromophenol		89.6	30-130					9/6/17 21:40	
p-Terphenyl-d14		74.3	30-130					9/7/17 19:06	
p-Terphenyl-d14		88.2	30-130					9/6/17 21:40	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1260 [1]	0.40	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1268 [1]	0.17	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		9/9/17 23:41
Decachlorobiphenyl [2]	96.4	30-150		9/9/17 23:41
Tetrachloro-m-xylene [1]	75.6	30-150		9/9/17 23:41
Tetrachloro-m-xylene [2]	79.2	30-150		9/9/17 23:41

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	780	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:14

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	5.6	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Arsenic	5.0	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Barium	130	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Beryllium	ND	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Cadmium	1.2	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Chromium	26	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Copper	140	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Lead	280	0.79	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Mercury	0.26	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:28	TJK
Nickel	92	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Vanadium	170	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Zinc	630	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		8/30/17 9:48
Toluene-d8	105	70-130		8/30/17 9:48
4-Bromofluorobenzene	98.8	70-130		8/30/17 9:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthene	ND	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Acenaphthylene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Aniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Aniline	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Anthracene	0.95	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)anthracene	9.7	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)anthracene	10	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)pyrene	8.0	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)pyrene	8.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(b)fluoranthene	12	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(b)fluoranthene	13	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(g,h,i)perylene	4.3	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(g,h,i)perylene	5.3	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(k)fluoranthene	3.8	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(k)fluoranthene	4.9	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethoxy)methane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroisopropyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Bromophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Butylbenzylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Carbazole	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Carbazole	0.77	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloroaniline	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chloronaphthalene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chlorophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Chrysene	10	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Chrysene	11	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenz(a,h)anthracene	1.4	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dibenzofuran	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-butylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3,3-Dichlorobenzidine	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Diethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dimethylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dimethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4,6-Dinitro-2-methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,6-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-octylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluoranthene	21	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluoranthene	24	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluorene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluorene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobutadiene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorocyclopentadiene	ND	6.0	mg/Kg dry	16	V-05	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachloroethane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Indeno(1,2,3-cd)pyrene	4.1	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Indeno(1,2,3-cd)pyrene	5.6	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Isophorone	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Methylnaphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3/4-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Naphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Nitrobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitrophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodiphenylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodi-n-propylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachloronitrobenzene	ND	6.0	mg/Kg dry	16	V-16	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenanthrene	6.2	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenanthrene	6.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyrene	18	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyrene	22	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyridine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyridine	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4-Trichlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,5-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,6-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.5	30-130		9/7/17 19:34

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		54.9	30-130					9/6/17 22:03	
Phenol-d6		51.9	30-130					9/7/17 19:34	
Phenol-d6		57.0	30-130					9/6/17 22:03	
Nitrobenzene-d5		63.4	30-130					9/7/17 19:34	
Nitrobenzene-d5		66.2	30-130					9/6/17 22:03	
2-Fluorobiphenyl		55.5	30-130					9/7/17 19:34	
2-Fluorobiphenyl		61.0	30-130					9/6/17 22:03	
2,4,6-Tribromophenol		69.8	30-130					9/7/17 19:34	
2,4,6-Tribromophenol		75.5	30-130					9/6/17 22:03	
p-Terphenyl-d14		62.4	30-130					9/7/17 19:34	
p-Terphenyl-d14		71.4	30-130					9/6/17 22:03	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1260 [1]	0.46	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.2	30-150		9/9/17 23:53
Decachlorobiphenyl [2]	89.7	30-150		9/9/17 23:53
Tetrachloro-m-xylene [1]	92.8	30-150		9/9/17 23:53
Tetrachloro-m-xylene [2]	95.6	30-150		9/9/17 23:53

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	820	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:32

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	24	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Arsenic	8.4	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Barium	560	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Cadmium	3.0	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Chromium	87	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Copper	350	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Lead	1500	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Mercury	0.25	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:30	TJK
Nickel	130	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:21	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:25	QNW
Vanadium	300	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Zinc	1900	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Acrylonitrile	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Butanone (MEK)	ND	0.043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Disulfide	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroform	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Naphthalene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
m+p Xylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 10:16
Toluene-d8	104	70-130		8/30/17 10:16
4-Bromofluorobenzene	104	70-130		8/30/17 10:16

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	3.2	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Acenaphthylene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthylene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Aniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Aniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Anthracene	7.7	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)anthracene	38	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)anthracene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)pyrene	28	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)pyrene	30	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(b)fluoranthene	42	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(b)fluoranthene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(g,h,i)perylene	14	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(g,h,i)perylene	14	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(k)fluoranthene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(k)fluoranthene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethoxy)methane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethoxy)methane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroisopropyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroisopropyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-Ethylhexyl)phthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Bromophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Bromophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Butylbenzylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Butylbenzylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Carbazole	6.9	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Carbazole	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloroaniline	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloroaniline	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloro-3-methylphenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloro-3-methylphenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chloronaphthalene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chloronaphthalene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chlorophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chlorophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Chrysene	40	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Chrysene	45	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	3.8	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenz(a,h)anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dibenzofuran	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenzofuran	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-butylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-butylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3,3-Dichlorobenzidine	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3,3-Dichlorobenzidine	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Diethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Diethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dimethylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dimethylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dimethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dimethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4,6-Dinitro-2-methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4,6-Dinitro-2-methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,6-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,6-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-octylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-octylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluoranthene	130	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluoranthene	120	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluorene	2.3	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluorene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobutadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobutadiene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorocyclopentadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorocyclopentadiene	ND	21	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachloroethane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachloroethane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Indeno(1,2,3-cd)pyrene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Indeno(1,2,3-cd)pyrene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Isophorone	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Isophorone	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Methylnaphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylnaphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3/4-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3/4-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Naphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Naphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Nitrobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Nitrobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitrophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitrophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodiphenylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodiphenylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodi-n-propylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodi-n-propylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachloronitrobenzene	ND	2.1	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachloronitrobenzene	ND	21	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenanthrene	66	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenanthrene	61	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyrene	110	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyrene	97	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyridine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyridine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4-Trichlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4-Trichlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,5-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,5-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,6-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,6-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.3	30-130		9/6/17 22:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		71.8	30-130					9/7/17 14:15	
Phenol-d6		65.5	30-130					9/6/17 22:27	
Phenol-d6		72.2	30-130					9/7/17 14:15	
Nitrobenzene-d5		67.6	30-130					9/6/17 22:27	
Nitrobenzene-d5		86.8	30-130					9/7/17 14:15	
2-Fluorobiphenyl		45.1	30-130					9/6/17 22:27	
2-Fluorobiphenyl		53.6	30-130					9/7/17 14:15	
2,4,6-Tribromophenol		80.5	30-130					9/6/17 22:27	
2,4,6-Tribromophenol		89.8	30-130					9/7/17 14:15	
p-Terphenyl-d14		56.0	30-130					9/6/17 22:27	
p-Terphenyl-d14		59.2	30-130					9/7/17 14:15	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1221 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1232 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1242 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1248 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1254 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1260 [1]	9.8	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1262 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1268 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:06
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:06

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3800	770	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:50	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:50

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Arsenic	23	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Barium	330	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Beryllium	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Cadmium	2.3	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Chromium	65	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Copper	3300	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Lead	290	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Mercury	27	3.9	mg/Kg dry	100		SW-846 7471B	8/30/17	9/6/17 13:23	TJK
Nickel	580	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Selenium	31	7.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Silver	ND	0.74	mg/Kg dry	1	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Thallium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Vanadium	740	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Zinc	1100	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	64.7		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Acrylonitrile	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Benzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromodichloromethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromoform	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromomethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Butanone (MEK)	ND	2.3	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
sec-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
tert-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Disulfide	ND	0.35	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Tetrachloride	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorodibromomethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroethane	0.31	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroform	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloromethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromoethane (EDB)	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dibromomethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,4-Dichlorobenzene	6.0	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,4-Dichloro-2-butene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethane	0.15	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloroethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichloropropane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloropropene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Ethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Hexachlorobutadiene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Hexanone (MBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Isopropylbenzene (Cumene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Methylene Chloride	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Propylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Styrene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1,2-Tetrachloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrachloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrahydrofuran	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Toluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichlorobenzene	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichlorofluoromethane (Freon 11)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichloropropane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3,5-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Vinyl Chloride	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
m+p Xylene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
o-Xylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		9/5/17 16:37
Toluene-d8	99.8	70-130		9/5/17 16:37
4-Bromofluorobenzene	96.0	70-130		9/5/17 16:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Acenaphthylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Aniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)anthracene	2.0	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)pyrene	1.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(b)fluoranthene	2.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(g,h,i)perylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(k)fluoranthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethoxy)methane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroisopropyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Bromophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Butylbenzylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Carbazole	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloroaniline	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloro-3-methylphenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chloronaphthalene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chlorophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Chrysene	2.5	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenz(a,h)anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenzofuran	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-butylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3,3-Dichlorobenzidine	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Diethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dimethylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dimethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4,6-Dinitro-2-methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,6-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-octylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluoranthene	5.1	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluorene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobutadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorocyclopentadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachloroethane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Indeno(1,2,3-cd)pyrene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Isophorone	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Methylnaphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3/4-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Naphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Nitrobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitrophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodiphenylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodi-n-propylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachloronitrobenzene	ND	2.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenanthrene	2.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyrene	5.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyridine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4-Trichlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,5-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,6-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.8	30-130		9/6/17 22:51
Phenol-d6	60.3	30-130		9/6/17 22:51
Nitrobenzene-d5	69.4	30-130		9/6/17 22:51
2-Fluorobiphenyl	59.4	30-130		9/6/17 22:51
2,4,6-Tribromophenol	76.5	30-130		9/6/17 22:51
p-Terphenyl-d14	79.4	30-130		9/6/17 22:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1221 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1232 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1242 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1248 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1254 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1260 [1]	7.5	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1262 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1268 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:18
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2100	890	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	9.9	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Arsenic	8.8	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Barium	98	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Beryllium	ND	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Cadmium	4.6	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Chromium	33	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Copper	530	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Lead	190	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Mercury	0.52	0.043	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:25	TJK
Nickel	47	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Selenium	ND	8.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Silver	ND	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Thallium	ND	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Vanadium	160	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Zinc	610	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	56.0		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Acrylonitrile	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Disulfide	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		8/30/17 11:12
Toluene-d8	103	70-130		8/30/17 11:12
4-Bromofluorobenzene	100	70-130		8/30/17 11:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Acenaphthylene	4.2	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthylene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Aniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Aniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Anthracene	29	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)anthracene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)anthracene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)pyrene	65	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)pyrene	68	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(b)fluoranthene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(b)fluoranthene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(g,h,i)perylene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(g,h,i)perylene	45	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(k)fluoranthene	30	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(k)fluoranthene	31	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethoxy)methane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethoxy)methane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroisopropyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroisopropyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Bromophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Bromophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Butylbenzylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Butylbenzylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Carbazole	16	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Carbazole	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloroaniline	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloroaniline	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloro-3-methylphenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chloronaphthalene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chloronaphthalene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chlorophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chlorophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Chrysene	76	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Chrysene	79	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	10	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenz(a,h)anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dibenzofuran	6.6	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenzofuran	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-butylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-butylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3,3-Dichlorobenzidine	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3,3-Dichlorobenzidine	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Diethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Diethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dimethylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dimethylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dimethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dimethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4,6-Dinitro-2-methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4,6-Dinitro-2-methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,6-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,6-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-octylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-octylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluoranthene	180	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluoranthene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluorene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluorene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobutadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobutadiene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorocyclopentadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorocyclopentadiene	ND	61	mg/Kg dry	80	V-05	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachloroethane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachloroethane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Indeno(1,2,3-cd)pyrene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Indeno(1,2,3-cd)pyrene	46	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Isophorone	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Isophorone	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Methylnaphthalene	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylnaphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3/4-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3/4-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Naphthalene	5.9	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Naphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Nitrobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Nitrobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitrophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitrophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodiphenylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodiphenylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodi-n-propylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodi-n-propylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachloronitrobenzene	ND	6.1	mg/Kg dry	8	V-16	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachloronitrobenzene	ND	61	mg/Kg dry	80	V-16	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenanthrene	140	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenanthrene	120	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyrene	150	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyrene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyridine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyridine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4-Trichlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4-Trichlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,5-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,5-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,6-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,6-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.8	30-130		9/6/17 23:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		48.8	30-130					9/7/17 2:24	
Phenol-d6		37.6	30-130					9/6/17 23:14	
Phenol-d6		44.8	30-130					9/7/17 2:24	
Nitrobenzene-d5		45.4	30-130					9/6/17 23:14	
Nitrobenzene-d5		57.6	30-130					9/7/17 2:24	
2-Fluorobiphenyl		42.2	30-130					9/6/17 23:14	
2-Fluorobiphenyl		48.0	30-130					9/7/17 2:24	
2,4,6-Tribromophenol		50.5	30-130					9/6/17 23:14	
2,4,6-Tribromophenol		56.8	30-130					9/7/17 2:24	
p-Terphenyl-d14		55.8	30-130					9/6/17 23:14	
p-Terphenyl-d14		76.8	30-130					9/7/17 2:24	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1221 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1232 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1242 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1248 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1254 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1260 [1]	2300	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1262 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1268 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:08
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	6300	1100	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:25

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	21	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Arsenic	37	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Barium	120	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Beryllium	ND	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Cadmium	2.3	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Chromium	51	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Copper	290	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Lead	230	0.84	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:39	TJK
Nickel	87	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Silver	ND	2.8	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:49	QNW
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:37	QNW
Vanadium	280	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Zinc	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 12:08
Toluene-d8	104	70-130		8/30/17 12:08
4-Bromofluorobenzene	101	70-130		8/30/17 12:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	57	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthene	74	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Acenaphthylene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthylene	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Aniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Aniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Anthracene	70	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Anthracene	88	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)anthracene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)anthracene	230	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)pyrene	200	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)pyrene	240	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(b)fluoranthene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(b)fluoranthene	280	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(g,h,i)perylene	130	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(g,h,i)perylene	130	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(k)fluoranthene	91	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(k)fluoranthene	92	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethoxy)methane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethoxy)methane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroisopropyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroisopropyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-Ethylhexyl)phthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Bromophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Bromophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Butylbenzylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Butylbenzylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Carbazole	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Carbazole	43	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloroaniline	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloroaniline	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloro-3-methylphenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloro-3-methylphenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chloronaphthalene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chloronaphthalene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chlorophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chlorophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Chrysene	210	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Chrysene	220	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenz(a,h)anthracene	34	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dibenzofuran	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenzofuran	22	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-butylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-butylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3,3-Dichlorobenzidine	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3,3-Dichlorobenzidine	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Diethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Diethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dimethylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dimethylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dimethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dimethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4,6-Dinitro-2-methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4,6-Dinitro-2-methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,6-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,6-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-octylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-octylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluoranthene	460	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluoranthene	440	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluorene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluorene	39	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobutadiene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobutadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorocyclopentadiene	ND	80	mg/Kg dry	100	V-05	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorocyclopentadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachloroethane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachloroethane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Indeno(1,2,3-cd)pyrene	140	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Indeno(1,2,3-cd)pyrene	150	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Isophorone	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Isophorone	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Methylnaphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylnaphthalene	12	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3/4-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3/4-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Naphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Naphthalene	28	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Nitrobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Nitrobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitrophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitrophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodiphenylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodiphenylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodi-n-propylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodi-n-propylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachloronitrobenzene	ND	80	mg/Kg dry	100	V-16	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachloronitrobenzene	ND	4.0	mg/Kg dry	5	V-16	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenanthrene	350	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenanthrene	330	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyrene	390	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyrene	480	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyridine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyridine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4,5-Tetrachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4-Trichlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4-Trichlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,5-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,5-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,6-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,6-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 13:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**		**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		56.3		30-130					9/6/17 23:38	
Phenol-d6			*	30-130		S-01			9/7/17 13:16	
Phenol-d6		58.0		30-130					9/6/17 23:38	
Nitrobenzene-d5			*	30-130		S-01			9/7/17 13:16	
Nitrobenzene-d5		66.9		30-130					9/6/17 23:38	
2-Fluorobiphenyl			*	30-130		S-01			9/7/17 13:16	
2-Fluorobiphenyl		63.4		30-130					9/6/17 23:38	
2,4,6-Tribromophenol			*	30-130		S-01			9/7/17 13:16	
2,4,6-Tribromophenol		72.8		30-130					9/6/17 23:38	
p-Terphenyl-d14			*	30-130		S-01			9/7/17 13:16	
p-Terphenyl-d14		85.1		30-130					9/6/17 23:38	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1254 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1260 [1]	14	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 1:21
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 1:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	7400	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:43

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Arsenic	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Barium	130	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Cadmium	3.4	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Chromium	97	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Copper	570	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Lead	1800	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Mercury	0.35	0.029	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:41	TJK
Nickel	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Silver	ND	2.9	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:54	QNW
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:54	QNW
Vanadium	2000	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Zinc	1100	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromomethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorodibromomethane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloromethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromoethane (EDB)	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichloropropane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrahydrofuran	ND	0.0091	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Vinyl Chloride	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 11:40
Toluene-d8	105	70-130		8/30/17 11:40
4-Bromofluorobenzene	102	70-130		8/30/17 11:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	4.2	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthene	4.1	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Acenaphthylene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthylene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Aniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Aniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Anthracene	6.6	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Anthracene	6.7	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)anthracene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)anthracene	31	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)pyrene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)pyrene	33	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(b)fluoranthene	37	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(b)fluoranthene	39	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(g,h,i)perylene	20	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(g,h,i)perylene	21	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(k)fluoranthene	15	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(k)fluoranthene	13	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethoxy)methane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethoxy)methane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroisopropyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroisopropyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-Ethylhexyl)phthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Bromophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Bromophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Butylbenzylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Butylbenzylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Carbazole	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Carbazole	3.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloroaniline	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloroaniline	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloro-3-methylphenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloro-3-methylphenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chloronaphthalene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chloronaphthalene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chlorophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chlorophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Chrysene	32	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Chrysene	32	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	5.1	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenz(a,h)anthracene	4.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dibenzofuran	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenzofuran	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-butylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-butylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3,3-Dichlorobenzidine	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3,3-Dichlorobenzidine	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Diethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Diethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dimethylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dimethylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dimethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dimethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4,6-Dinitro-2-methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4,6-Dinitro-2-methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,6-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,6-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-octylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-octylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluoranthene	62	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluoranthene	68	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluorene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluorene	2.6	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobutadiene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobutadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorocyclopentadiene	ND	8.2	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachloroethane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachloroethane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Indeno(1,2,3-cd)pyrene	21	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Indeno(1,2,3-cd)pyrene	23	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Isophorone	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Isophorone	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Methylnaphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylnaphthalene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3/4-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3/4-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Naphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Naphthalene	1.3	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Nitrobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Nitrobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitrophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitrophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodiphenylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodiphenylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodi-n-propylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodi-n-propylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachloronitrobenzene	ND	8.2	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachloronitrobenzene	ND	1.6	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenanthrene	33	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenanthrene	38	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyrene	51	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyrene	73	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyridine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyridine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4,5-Tetrachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4-Trichlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4-Trichlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,5-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,5-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,6-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,6-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.3	30-130		9/7/17 14:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		50.3	30-130					9/7/17 0:02	
Phenol-d6		52.5	30-130					9/7/17 14:45	
Phenol-d6		51.9	30-130					9/7/17 0:02	
Nitrobenzene-d5		59.8	30-130					9/7/17 14:45	
Nitrobenzene-d5		58.2	30-130					9/7/17 0:02	
2-Fluorobiphenyl		55.0	30-130					9/7/17 14:45	
2-Fluorobiphenyl		52.0	30-130					9/7/17 0:02	
2,4,6-Tribromophenol		64.4	30-130					9/7/17 14:45	
2,4,6-Tribromophenol		66.6	30-130					9/7/17 0:02	
p-Terphenyl-d14		57.8	30-130					9/7/17 14:45	
p-Terphenyl-d14		68.9	30-130					9/7/17 0:02	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1260 [1]	5.7	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:26
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:26

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4000	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:01	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:01

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Arsenic	18	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Barium	140	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Cadmium	2.9	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Chromium	47	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Copper	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Lead	470	0.89	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Mercury	0.35	0.030	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:42	TJK
Nickel	240	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Silver	ND	1.2	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/7/17 19:12	QNW
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:57	QNW
Vanadium	1700	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Zinc	980	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromomethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorodibromomethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloromethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromoethane (EDB)	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichloropropane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrahydrofuran	ND	0.0098	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Vinyl Chloride	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		8/30/17 12:36
Toluene-d8	104	70-130		8/30/17 12:36
4-Bromofluorobenzene	104	70-130		8/30/17 12:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthene	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthene	21	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Acenaphthylene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthylene	2.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthylene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Aniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Aniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Aniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Anthracene	36	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Anthracene	41	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Anthracene	37	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)anthracene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)anthracene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)anthracene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)pyrene	93	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)pyrene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)pyrene	98	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(b)fluoranthene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(b)fluoranthene	150	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(b)fluoranthene	120	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(g,h,i)perylene	45	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(g,h,i)perylene	52	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(g,h,i)perylene	46	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(k)fluoranthene	44	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(k)fluoranthene	38	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(k)fluoranthene	45	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethoxy)methane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethoxy)methane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethoxy)methane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroisopropyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroisopropyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroisopropyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Bromophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Bromophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Bromophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Butylbenzylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Butylbenzylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Butylbenzylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Carbazole	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Carbazole	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Carbazole	23	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloroaniline	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloroaniline	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloroaniline	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloro-3-methylphenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloro-3-methylphenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloro-3-methylphenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chloronaphthalene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chloronaphthalene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chloronaphthalene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chlorophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chlorophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chlorophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Chrysene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Chrysene	100	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Chrysene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenz(a,h)anthracene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenz(a,h)anthracene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenz(a,h)anthracene	13	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenzofuran	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenzofuran	8.8	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenzofuran	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-butylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-butylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-butylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3,3-Dichlorobenzidine	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3,3-Dichlorobenzidine	ND	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3,3-Dichlorobenzidine	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Diethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Diethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Diethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dimethylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dimethylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dimethylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dimethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dimethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dimethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4,6-Dinitro-2-methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4,6-Dinitro-2-methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4,6-Dinitro-2-methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,6-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,6-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,6-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-octylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-octylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-octylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluoranthene	250	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluoranthene	170	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluoranthene	300	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluorene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluorene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluorene	15	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobutadiene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobutadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobutadiene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorocyclopentadiene	ND	72	mg/Kg dry	200	V-05	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorocyclopentadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorocyclopentadiene	ND	14	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachloroethane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachloroethane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachloroethane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Indeno(1,2,3-cd)pyrene	51	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Indeno(1,2,3-cd)pyrene	65	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Indeno(1,2,3-cd)pyrene	54	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Isophorone	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Isophorone	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Isophorone	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Methylnaphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylnaphthalene	2.5	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylnaphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3/4-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3/4-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3/4-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Naphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Naphthalene	5.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Naphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Nitrobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Nitrobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Nitrobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitrophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitrophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitrophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodiphenylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodiphenylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodiphenylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodi-n-propylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodi-n-propylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodi-n-propylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachloronitrobenzene	ND	72	mg/Kg dry	200	V-16	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachloronitrobenzene	ND	1.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachloronitrobenzene	ND	14	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenanthrene	190	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Phenanthrene	130	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenanthrene	220	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Phenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyrene	200	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyrene	190	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyrene	220	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyridine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyridine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyridine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4-Trichlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4-Trichlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4-Trichlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,5-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,5-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,5-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,6-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,6-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,6-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 15:44
2-Fluorophenol	56.3	30-130		9/7/17 0:25
2-Fluorophenol	58.6	30-130		9/7/17 15:14
Phenol-d6	*	30-130	S-01	9/7/17 15:44
Phenol-d6	57.2	30-130		9/7/17 0:25
Phenol-d6	56.2	30-130		9/7/17 15:14
Nitrobenzene-d5	*	30-130	S-01	9/7/17 15:44
Nitrobenzene-d5	60.8	30-130		9/7/17 0:25
Nitrobenzene-d5	64.4	30-130		9/7/17 15:14
2-Fluorobiphenyl	*	30-130	S-01	9/7/17 15:44
2-Fluorobiphenyl	58.2	30-130		9/7/17 0:25
2-Fluorobiphenyl	59.2	30-130		9/7/17 15:14
2,4,6-Tribromophenol	*	30-130	S-01	9/7/17 15:44
2,4,6-Tribromophenol	74.5	30-130		9/7/17 0:25
2,4,6-Tribromophenol	67.4	30-130		9/7/17 15:14
p-Terphenyl-d14	*	30-130	S-01	9/7/17 15:44
p-Terphenyl-d14	77.1	30-130		9/7/17 0:25
p-Terphenyl-d14	70.4	30-130		9/7/17 15:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1260 [1]	1.5	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	40.9	30-150		9/10/17 1:46
Decachlorobiphenyl [2]	130	30-150		9/10/17 1:46
Tetrachloro-m-xylene [1]	39.8	30-150		9/10/17 1:46
Tetrachloro-m-xylene [2]	44.8	30-150		9/10/17 1:46

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	31	11	mg/Kg dry	1		CTDEP ETPH	9/5/17	9/8/17 2:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	84.9	50-150		9/8/17 2:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	20	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Arsenic	19	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Barium	150	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Cadmium	2.4	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Chromium	80	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Copper	450	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Lead	870	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Mercury	0.11	0.026	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:44	TJK
Nickel	120	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:02	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:05	QNW
Vanadium	470	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Zinc	1500	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	4.8	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Acrylonitrile	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Benzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromodichloromethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromoform	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromomethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Butanone (MEK)	ND	1.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Butylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
sec-Butylbenzene	0.13	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
tert-Butylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Disulfide	ND	0.29	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Tetrachloride	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorodibromomethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroform	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloromethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromoethane (EDB)	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dibromomethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,4-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,4-Dichloro-2-butene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichloropropane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloropropene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Ethylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Hexachlorobutadiene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Hexanone (MBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Isopropylbenzene (Cumene)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
p-Isopropyltoluene (p-Cymene)	0.11	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Methylene Chloride	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Naphthalene	0.73	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Propylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Styrene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1,2-Tetrachloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2,2-Tetrachloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrachloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrahydrofuran	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Toluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichlorofluoromethane (Freon 11)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichloropropane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trimethylbenzene	0.44	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3,5-Trimethylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Vinyl Chloride	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
m+p Xylene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
o-Xylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	119	70-130		9/5/17 17:08
Toluene-d8	104	70-130		9/5/17 17:08
4-Bromofluorobenzene	96.0	70-130		9/5/17 17:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Acenaphthylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Aniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(b)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(g,h,i)perylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(k)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethoxy)methane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Bromophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Butylbenzylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Carbazole	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloroaniline	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloro-3-methylphenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chloronaphthalene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chlorophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Chrysene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenz(a,h)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenzofuran	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-butylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3,3-Dichlorobenzidine	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Diethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dimethylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dimethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,6-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-octylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluoranthene	5.0	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluorene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobutadiene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorocyclopentadiene	ND	9.8	mg/Kg dry	10	V-05	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachloroethane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Isophorone	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Methylnaphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3/4-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Naphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Nitrobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitrophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodiphenylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodi-n-propylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachloronitrobenzene	ND	9.8	mg/Kg dry	10	V-16	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenanthrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyridine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4-Trichlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,5-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,6-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.7	30-130		9/7/17 20:30
Phenol-d6	65.3	30-130		9/7/17 20:30
Nitrobenzene-d5	75.0	30-130		9/7/17 20:30
2-Fluorobiphenyl	66.0	30-130		9/7/17 20:30
2,4,6-Tribromophenol	87.7	30-130		9/7/17 20:30
p-Terphenyl-d14	70.0	30-130		9/7/17 20:30

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1260 [1]	0.32	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1268 [1]	0.14	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	51.6	30-150		9/10/17 1:59
Decachlorobiphenyl [2]	58.7	30-150		9/10/17 1:59
Tetrachloro-m-xylene [1]	58.3	30-150		9/10/17 1:59
Tetrachloro-m-xylene [2]	63.7	30-150		9/10/17 1:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1600	1400	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.8	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Arsenic	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Barium	210	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Beryllium	ND	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Cadmium	2.0	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Chromium	32	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Copper	220	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Lead	460	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Mercury	0.098	0.036	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:46	TJK
Nickel	31	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Selenium	ND	6.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Silver	ND	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Thallium	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Vanadium	98	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Zinc	950	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-26 Sampled: 8/29/2017 09:10

Sample ID: 17H1544-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1260 [2]	1.1	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/9/17 0:59
Decachlorobiphenyl [2]	117	30-150		9/9/17 0:59
Tetrachloro-m-xylene [1]	90.2	30-150		9/9/17 0:59
Tetrachloro-m-xylene [2]	97.3	30-150		9/9/17 0:59

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-27 Sampled: 8/29/2017 09:40

Sample ID: 17H1544-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1260 [2]	0.93	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/9/17 1:17
Decachlorobiphenyl [2]	119	30-150		9/9/17 1:17
Tetrachloro-m-xylene [1]	91.3	30-150		9/9/17 1:17
Tetrachloro-m-xylene [2]	98.4	30-150		9/9/17 1:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-29 Sampled: 8/29/2017 10:05

Sample ID: 17H1544-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1254 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1260 [2]	2.9	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/9/17 21:40
Decachlorobiphenyl [2]	118	30-150		9/9/17 21:40
Tetrachloro-m-xylene [1]	97.4	30-150		9/9/17 21:40
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 21:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-16 Sampled: 8/29/2017 12:05

Sample ID: 17H1544-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1221 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1232 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1242 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1248 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1254 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1260 [2]	1800	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1262 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1268 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 22:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 22:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-17 Sampled: 8/29/2017 12:20

Sample ID: 17H1544-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1260 [1]	1.9	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	132	30-150		9/9/17 22:33
Decachlorobiphenyl [2]	145	30-150		9/9/17 22:33
Tetrachloro-m-xylene [1]	117	30-150		9/9/17 22:33
Tetrachloro-m-xylene [2]	121	30-150		9/9/17 22:33

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-18 Sampled: 8/29/2017 12:35

Sample ID: 17H1544-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1260 [1]	2.0	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.2	30-150		9/9/17 22:51
Decachlorobiphenyl [2]	72.2	30-150		9/9/17 22:51
Tetrachloro-m-xylene [1]	62.8	30-150		9/9/17 22:51
Tetrachloro-m-xylene [2]	64.1	30-150		9/9/17 22:51

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-19 Sampled: 8/29/2017 12:50

Sample ID: 17H1544-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1260 [2]	0.79	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		9/9/17 23:09
Decachlorobiphenyl [2]	130	30-150		9/9/17 23:09
Tetrachloro-m-xylene [1]	93.0	30-150		9/9/17 23:09
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 23:09

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		8/30/17 10:44
Toluene-d8	106	70-130		8/30/17 10:44
4-Bromofluorobenzene	102	70-130		8/30/17 10:44

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Acenaphthylene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Aniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)anthracene	1.4	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)pyrene	1.5	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(b)fluoranthene	1.9	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(g,h,i)perylene	0.90	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(k)fluoranthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethoxy)methane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroisopropyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Bromophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Butylbenzylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Carbazole	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloroaniline	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloro-3-methylphenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chloronaphthalene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chlorophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Chrysene	1.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenz(a,h)anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenzofuran	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-butylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3,3-Dichlorobenzidine	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Diethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dimethylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dimethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4,6-Dinitro-2-methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,6-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-octylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluoranthene	2.3	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluorene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobutadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorocyclopentadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachloroethane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Indeno(1,2,3-cd)pyrene	0.95	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Isophorone	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Methylnaphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3/4-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Naphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Nitrobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitrophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodiphenylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodi-n-propylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachloronitrobenzene	ND	1.7	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenanthrene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyrene	2.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyridine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,5-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,6-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	64.0	30-130		9/7/17 1:13
Phenol-d6	69.6	30-130		9/7/17 1:13
Nitrobenzene-d5	76.4	30-130		9/7/17 1:13
2-Fluorobiphenyl	63.6	30-130		9/7/17 1:13
2,4,6-Tribromophenol	89.5	30-130		9/7/17 1:13
p-Terphenyl-d14	83.2	30-130		9/7/17 1:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1254 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1260 [1]	1.6	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.2	30-150		9/10/17 2:12
Decachlorobiphenyl [2]	83.6	30-150		9/10/17 2:12
Tetrachloro-m-xylene [1]	85.0	30-150		9/10/17 2:12
Tetrachloro-m-xylene [2]	90.9	30-150		9/10/17 2:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	560	250	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 21:36	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:36

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	18	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Arsenic	16	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Barium	70	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Cadmium	1.4	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Chromium	91	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Copper	410	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Lead	180	0.94	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Mercury	0.21	0.031	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:47	TJK
Nickel	150	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Silver	ND	1.3	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:09	QNW
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:14	QNW
Vanadium	470	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Zinc	330	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185490	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185490	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185490	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185490	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185490	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185490	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185490	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185490	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185490	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185490	30.0	2.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185490	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185490	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185490	30.0	1.00	09/05/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1544-01 [WS-AOC13-SE-26]	B185325	08/31/17
17H1544-02 [WS-AOC13-SE-27]	B185325	08/31/17
17H1544-03 [WS-AOC13-SE-28]	B185325	08/31/17
17H1544-04 [WS-AOC13-SE-29]	B185325	08/31/17
17H1544-05 [WS-AOC13-SE-30]	B185325	08/31/17
17H1544-06 [WS-AOC13-SE-31]	B185325	08/31/17
17H1544-07 [WS-AOC3-SE-6]	B185325	08/31/17
17H1544-08 [WS-AOC8-SE-16]	B185325	08/31/17
17H1544-09 [WS-AOC8-SE-17]	B185325	08/31/17
17H1544-10 [AS-AOC8-SE-18]	B185325	08/31/17
17H1544-11 [WS-AOC8-SE-19]	B185325	08/31/17
17H1544-12 [WS-AOC8-SE-24]	B185325	08/31/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185325	08/31/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185527	1.04	50.0	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185527	1.02	50.0	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185527	1.00	50.0	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185527	1.05	50.0	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185527	1.08	50.0	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185527	1.04	50.0	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185527	1.02	50.0	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185527	1.01	50.0	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185527	1.00	50.0	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185527	1.01	50.0	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185527	1.04	50.0	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185527	1.07	50.0	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185527	0.996	50.0	09/05/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185230	0.606	50.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185230	0.591	50.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185230	0.620	50.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185230	0.625	50.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185230	0.598	50.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185230	0.593	50.0	08/30/17
17H1544-07 [WS-AOC3-SE-6]	B185230	0.625	50.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185230	0.603	50.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185230	0.604	50.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185230	0.605	50.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185230	0.602	50.0	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185230	0.599	50.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185230	0.605	50.0	08/30/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-13 [WS-AOC13-CO-26]	B185577	2.01	10.0	09/06/17
17H1544-14 [WS-AOC13-CO-27]	B185577	2.05	10.0	09/06/17
17H1544-15 [WS-AOC13-CO-29]	B185577	2.23	10.0	09/06/17
17H1544-16 [WS-AOC8-CO-16]	B185577	2.07	10.0	09/06/17
17H1544-17 [WS-AOC8-CO-17]	B185577	2.09	10.0	09/06/17
17H1544-18 [WS-AOC8-CO-18]	B185577	2.08	10.0	09/06/17
17H1544-19 [WS-AOC8-CO-19]	B185577	2.07	10.0	09/06/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185576	10.0	10.0	09/06/17
17H1544-02 [WS-AOC13-SE-27]	B185576	10.3	10.0	09/06/17
17H1544-03 [WS-AOC13-SE-28]	B185576	10.1	10.0	09/06/17
17H1544-04 [WS-AOC13-SE-29]	B185576	10.0	10.0	09/06/17
17H1544-05 [WS-AOC13-SE-30]	B185576	10.0	10.0	09/06/17
17H1544-06 [WS-AOC13-SE-31]	B185576	10.2	10.0	09/06/17
17H1544-07 [WS-AOC3-SE-6]	B185576	10.1	10.0	09/06/17
17H1544-08 [WS-AOC8-SE-16]	B185576	10.2	10.0	09/06/17
17H1544-09 [WS-AOC8-SE-17]	B185576	10.2	10.0	09/06/17
17H1544-10 [AS-AOC8-SE-18]	B185576	10.3	10.0	09/06/17
17H1544-11 [WS-AOC8-SE-19]	B185576	10.0	10.0	09/06/17
17H1544-12 [WS-AOC8-SE-24]	B185576	10.2	10.0	09/06/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185576	10.1	10.0	09/06/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
17H1544-07 [WS-AOC3-SE-6]	B185016	5.72	7.52	1	50	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185016	4.88	6.49	1	50	08/30/17

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185200	6.54	10.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185200	5.46	10.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185200	6.98	10.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185200	7.23	10.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185200	5.99	10.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185200	7.12	10.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185200	5.56	10.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185200	5.73	10.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185200	6.60	10.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185200	5.36	10.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185200	6.80	10.0	08/30/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185495	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185495	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-03RE1 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-04RE1 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-05RE1 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-06RE1 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185495	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-08RE1 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-09RE1 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-10RE1 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE1 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE2 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185495	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185495	30.0	1.00	09/05/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17						
Acetone	ND	2.5	mg/Kg wet							
Acrylonitrile	ND	0.25	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
Carbon Disulfide	ND	0.15	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
n-Propylbenzene	ND	0.050	mg/Kg wet							
Styrene	ND	0.050	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035											
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Tetrachloroethylene	ND	0.050	mg/Kg wet								
Tetrahydrofuran	ND	0.50	mg/Kg wet								
Toluene	ND	0.050	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet								
Trichloroethylene	ND	0.050	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet								
Vinyl Chloride	ND	0.10	mg/Kg wet								
m+p Xylene	ND	0.10	mg/Kg wet								
o-Xylene	ND	0.050	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0275*		mg/Kg wet	0.0250		110		70-130			
Surrogate: Toluene-d8	*0.0253*		mg/Kg wet	0.0250		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0231*		mg/Kg wet	0.0250		92.4		70-130			
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Acetone	0.125	0.057	mg/Kg wet	0.113		110		70-130			
Acrylonitrile	0.0123	0.0057	mg/Kg wet	0.0113		109		70-130			
Benzene	0.0126	0.0011	mg/Kg wet	0.0113		111		70-130			
Bromobenzene	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromodichloromethane	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromoform	0.0117	0.0011	mg/Kg wet	0.0113		104		70-130			
Bromomethane	0.0147	0.0023	mg/Kg wet	0.0113		129		70-130			
2-Butanone (MEK)	0.139	0.023	mg/Kg wet	0.113		123		70-130			
n-Butylbenzene	0.0142	0.0011	mg/Kg wet	0.0113		125		70-130			
sec-Butylbenzene	0.0133	0.0011	mg/Kg wet	0.0113		118		70-130			
tert-Butylbenzene	0.0132	0.0011	mg/Kg wet	0.0113		117		70-130			
Carbon Disulfide	0.140	0.0034	mg/Kg wet	0.113		124		70-130			
Carbon Tetrachloride	0.0131	0.0011	mg/Kg wet	0.0113		116		70-130			
Chlorobenzene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
Chlorodibromomethane	0.0137	0.00057	mg/Kg wet	0.0113		121		70-130			
Chloroethane	0.0130	0.0023	mg/Kg wet	0.0113		115		70-130			
Chloroform	0.0124	0.0023	mg/Kg wet	0.0113		109		70-130			
Chloromethane	0.0159	0.0023	mg/Kg wet	0.0113		**141**	*	70-130			L-01
2-Chlorotoluene	0.0108	0.0011	mg/Kg wet	0.0113		95.1		70-130			
4-Chlorotoluene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0148	0.0057	mg/Kg wet	0.0113		**131**	*	70-130			L-01
1,2-Dibromoethane (EDB)	0.0127	0.00057	mg/Kg wet	0.0113		112		70-130			
Dibromomethane	0.0121	0.0011	mg/Kg wet	0.0113		107		70-130			
1,2-Dichlorobenzene	0.0131	0.0011	mg/Kg wet	0.0113		115		70-130			
1,3-Dichlorobenzene	0.0127	0.0011	mg/Kg wet	0.0113		112		70-130			
1,4-Dichlorobenzene	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130			
trans-1,4-Dichloro-2-butene	0.0143	0.0023	mg/Kg wet	0.0113		126		70-130			
Dichlorodifluoromethane (Freon 12)	0.0139	0.0023	mg/Kg wet	0.0113		122		70-130			
1,1-Dichloroethane	0.0137	0.0011	mg/Kg wet	0.0113		121		70-130			
1,2-Dichloroethane	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,1-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17						
cis-1,2-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
trans-1,2-Dichloroethylene	0.0135	0.0011	mg/Kg wet	0.0113		119	70-130			
1,2-Dichloropropane	0.0116	0.0011	mg/Kg wet	0.0113		102	70-130			
1,3-Dichloropropane	0.0123	0.00057	mg/Kg wet	0.0113		108	70-130			
2,2-Dichloropropane	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1-Dichloropropene	0.0134	0.0023	mg/Kg wet	0.0113		118	70-130			
cis-1,3-Dichloropropene	0.0125	0.00057	mg/Kg wet	0.0113		110	70-130			
trans-1,3-Dichloropropene	0.0115	0.00057	mg/Kg wet	0.0113		101	70-130			
Ethylbenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Hexachlorobutadiene	0.0131	0.0011	mg/Kg wet	0.0113		116	70-130			
2-Hexanone (MBK)	0.141	0.011	mg/Kg wet	0.113		124	70-130			
Isopropylbenzene (Cumene)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0139	0.0011	mg/Kg wet	0.0113		122	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0122	0.0011	mg/Kg wet	0.0113		107	70-130			
Methylene Chloride	0.0125	0.0057	mg/Kg wet	0.0113		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.131	0.011	mg/Kg wet	0.113		115	70-130			
Naphthalene	0.0133	0.0023	mg/Kg wet	0.0113		117	70-130			
n-Propylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Styrene	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,1,2-Tetrachloroethane	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
1,1,2,2-Tetrachloroethane	0.0127	0.00057	mg/Kg wet	0.0113		112	70-130			
Tetrachloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
Tetrahydrofuran	0.0123	0.011	mg/Kg wet	0.0113		108	70-130			
Toluene	0.0122	0.0011	mg/Kg wet	0.0113		108	70-130			
1,2,3-Trichlorobenzene	0.0128	0.0057	mg/Kg wet	0.0113		113	70-130			
1,2,4-Trichlorobenzene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1,1-Trichloroethane	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130			
1,1,2-Trichloroethane	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Trichloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
Trichlorofluoromethane (Freon 11)	0.0126	0.0023	mg/Kg wet	0.0113		112	70-130			
1,2,3-Trichloropropane	0.0130	0.0023	mg/Kg wet	0.0113		114	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
1,2,4-Trimethylbenzene	0.0134	0.0011	mg/Kg wet	0.0113		118	70-130			
1,3,5-Trimethylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Vinyl Chloride	0.0104	0.0023	mg/Kg wet	0.0113		92.2	70-130			
m+p Xylene	0.0253	0.0023	mg/Kg wet	0.0227		112	70-130			
o-Xylene	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0318*		mg/Kg wet	0.0283		112	70-130			
Surrogate: Toluene-d8	*0.0288*		mg/Kg wet	0.0283		102	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0274*		mg/Kg wet	0.0283		96.8	70-130			
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0521*		mg/Kg wet	0.0500		104	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0507*		mg/Kg wet	0.0500		101	70-130			
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Acetone	0.176	0.10	mg/Kg wet	0.200		88.2	70-130			
Acrylonitrile	0.0219	0.0060	mg/Kg wet	0.0200		109	70-130			
Benzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130			
Bromobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.4	70-130			
Bromodichloromethane	0.0182	0.0020	mg/Kg wet	0.0200		91.1	70-130			
Bromoform	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
Bromomethane	0.0196	0.010	mg/Kg wet	0.0200		97.9	70-130			
2-Butanone (MEK)	0.215	0.040	mg/Kg wet	0.200		108	70-130			
n-Butylbenzene	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
sec-Butylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
Carbon Disulfide	0.203	0.0060	mg/Kg wet	0.200		102	70-130			
Carbon Tetrachloride	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130			
Chlorobenzene	0.0170	0.0020	mg/Kg wet	0.0200		84.8	70-130			
Chlorodibromomethane	0.0203	0.0010	mg/Kg wet	0.0200		102	70-130			
Chloroethane	0.0158	0.020	mg/Kg wet	0.0200		79.1	70-130			
Chloroform	0.0185	0.0040	mg/Kg wet	0.0200		92.6	70-130			
Chloromethane	0.0194	0.010	mg/Kg wet	0.0200		97.2	70-130			
2-Chlorotoluene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
4-Chlorotoluene	0.0173	0.0020	mg/Kg wet	0.0200		86.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dibromoethane (EDB)	0.0207	0.0010	mg/Kg wet	0.0200		103	70-130			
Dibromomethane	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
1,2-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,3-Dichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.1	70-130			
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.8	70-130			
trans-1,4-Dichloro-2-butene	0.0179	0.0040	mg/Kg wet	0.0200		89.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0227	0.020	mg/Kg wet	0.0200		113	70-130			
1,1-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
1,2-Dichloroethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1-Dichloroethylene	0.0198	0.0040	mg/Kg wet	0.0200		98.8	70-130			
cis-1,2-Dichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
trans-1,2-Dichloroethylene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
1,2-Dichloropropane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,3-Dichloropropane	0.0194	0.0010	mg/Kg wet	0.0200		97.2	70-130			
2,2-Dichloropropane	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,1-Dichloropropene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130			
cis-1,3-Dichloropropene	0.0183	0.0010	mg/Kg wet	0.0200		91.3	70-130			
trans-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.4	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Ethylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Hexachlorobutadiene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
2-Hexanone (MBK)	0.213	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0179	0.0020	mg/Kg wet	0.0200		89.7	70-130			
p-Isopropyltoluene (p-Cymene)	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0184	0.0040	mg/Kg wet	0.0200		92.1	70-130			
Methylene Chloride	0.0221	0.020	mg/Kg wet	0.0200		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0154	0.0040	mg/Kg wet	0.0200		76.8	70-130			
n-Propylbenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.3	70-130			
Styrene	0.0170	0.0020	mg/Kg wet	0.0200		85.0	70-130			
1,1,1,2-Tetrachloroethane	0.0176	0.0020	mg/Kg wet	0.0200		87.9	70-130			
1,1,2,2-Tetrachloroethane	0.0160	0.0040	mg/Kg wet	0.0200		79.8	70-130			
Tetrachloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0178	0.010	mg/Kg wet	0.0200		88.9	70-130			V-16
Toluene	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
1,2,3-Trichlorobenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.7	70-130			
1,2,4-Trichlorobenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130			
1,1,1-Trichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2-Trichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
Trichloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130			
Trichlorofluoromethane (Freon 11)	0.0238	0.010	mg/Kg wet	0.0200		119	70-130			
1,2,3-Trichloropropane	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0217	0.010	mg/Kg wet	0.0200		108	70-130			
1,2,4-Trimethylbenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130			
1,3,5-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
Vinyl Chloride	0.0175	0.010	mg/Kg wet	0.0200		87.3	70-130			
m+p Xylene	0.0349	0.0040	mg/Kg wet	0.0400		87.2	70-130			
o-Xylene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0528*		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0518*		mg/Kg wet	0.0500		104	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*4.54*		mg/Kg wet	6.67		68.2	30-130			
Surrogate: Phenol-d6	*4.69*		mg/Kg wet	6.67		70.4	30-130			
Surrogate: Nitrobenzene-d5	*2.33*		mg/Kg wet	3.33		69.8	30-130			
Surrogate: 2-Fluorobiphenyl	*2.42*		mg/Kg wet	3.33		72.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.89*		mg/Kg wet	6.67		88.4	30-130			
Surrogate: p-Terphenyl-d14	*2.93*		mg/Kg wet	3.33		87.8	30-130			
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Acenaphthene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140			
Acenaphthylene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140			
Aniline	0.778	0.34	mg/Kg wet	1.67		46.7	40-140			†
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.3	40-140			
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Benzo(b)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.5	40-140			
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Benzo(k)fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140			
Bis(2-chloroethoxy)methane	1.21	0.34	mg/Kg wet	1.67		72.8	40-140			
Bis(2-chloroethyl)ether	1.05	0.34	mg/Kg wet	1.67		63.2	40-140			
Bis(2-chloroisopropyl)ether	1.17	0.34	mg/Kg wet	1.67		70.2	40-140			
Bis(2-Ethylhexyl)phthalate	1.18	0.34	mg/Kg wet	1.67		70.6	40-140			
4-Bromophenylphenylether	1.26	0.34	mg/Kg wet	1.67		75.7	40-140			
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		73.5	40-140			
Carbazole	1.05	0.17	mg/Kg wet	1.67		62.7	40-140			
4-Chloroaniline	0.694	0.66	mg/Kg wet	1.67		41.7	40-140			†
4-Chloro-3-methylphenol	1.16	0.66	mg/Kg wet	1.67		69.7	30-130			
2-Chloronaphthalene	1.02	0.34	mg/Kg wet	1.67		61.2	40-140			
2-Chlorophenol	1.08	0.34	mg/Kg wet	1.67		64.8	30-130			
4-Chlorophenylphenylether	1.18	0.34	mg/Kg wet	1.67		70.8	40-140			
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140			
Dibenz(a,h)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Dibenzofuran	1.09	0.34	mg/Kg wet	1.67		65.4	40-140			
Di-n-butylphthalate	1.14	0.34	mg/Kg wet	1.67		68.3	40-140			
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.2	40-140			†
2,4-Dichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.2	30-130			
Diethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.1	40-140			
2,4-Dimethylphenol	1.12	0.34	mg/Kg wet	1.67		67.2	30-130			
Dimethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.2	40-140			
4,6-Dinitro-2-methylphenol	0.926	0.34	mg/Kg wet	1.67		55.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185495 - SW-846 3546											
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17							
2,4-Dinitrophenol	0.597	0.66	mg/Kg wet	1.67		35.8	30-130				
2,4-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		72.9	40-140				
2,6-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		73.0	40-140				
Di-n-octylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140				
Fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Fluorene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Hexachlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.5	40-140				
Hexachlorobutadiene	1.18	0.34	mg/Kg wet	1.67		71.1	40-140				
Hexachlorocyclopentadiene	0.940	0.34	mg/Kg wet	1.67		56.4	30-140				
Hexachloroethane	1.02	0.34	mg/Kg wet	1.67		61.0	40-140				
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		69.9	40-140				
Isophorone	1.21	0.34	mg/Kg wet	1.67		72.6	40-140				
2-Methylnaphthalene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140				
2-Methylphenol	1.01	0.34	mg/Kg wet	1.67		60.8	30-130				
3/4-Methylphenol	1.10	0.34	mg/Kg wet	1.67		65.7	30-130				
Naphthalene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140				
2-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		71.9	40-140				
3-Nitroaniline	0.969	0.34	mg/Kg wet	1.67		58.2	40-140				†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.6	40-140				
Nitrobenzene	1.21	0.34	mg/Kg wet	1.67		72.7	40-140				
2-Nitrophenol	1.08	0.34	mg/Kg wet	1.67		64.6	30-130				
4-Nitrophenol	1.44	0.66	mg/Kg wet	1.67		86.2	10-130				
N-Nitrosodiphenylamine	1.39	0.34	mg/Kg wet	1.67		83.6	40-140				
N-Nitrosodi-n-propylamine	1.13	0.34	mg/Kg wet	1.67		67.9	40-140				
Pentachloronitrobenzene	1.32	0.34	mg/Kg wet	1.67		79.3	40-140			V-16	
Pentachlorophenol	0.930	0.34	mg/Kg wet	1.67		55.8	30-130				
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140				
Phenol	1.14	0.34	mg/Kg wet	1.67		68.4	20-130				
Pyrene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140				
Pyridine	0.669	0.34	mg/Kg wet	1.67		40.2	10-140				†
1,2,4,5-Tetrachlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.0	40-140				
1,2,4-Trichlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.4	40-140				
2,4,5-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.4	30-130				
2,4,6-Trichlorophenol	1.15	0.34	mg/Kg wet	1.67		69.0	30-130				
Surrogate: 2-Fluorophenol	*4.68*		mg/Kg wet	6.67		70.2	30-130				
Surrogate: Phenol-d6	*4.81*		mg/Kg wet	6.67		72.2	30-130				
Surrogate: Nitrobenzene-d5	*2.43*		mg/Kg wet	3.33		72.9	30-130				
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/Kg wet	3.33		72.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.33*		mg/Kg wet	6.67		94.9	30-130				
Surrogate: p-Terphenyl-d14	*2.81*		mg/Kg wet	3.33		84.4	30-130				
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
Acenaphthene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140	2.27	30		
Acenaphthylene	0.938	0.17	mg/Kg wet	1.67		56.3	40-140	3.52	30		
Aniline	0.734	0.34	mg/Kg wet	1.67		44.0	40-140	5.91	50		† ‡
Anthracene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	2.92	30		
Benzo(a)anthracene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140	4.96	30		
Benzo(a)pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140	5.65	30		
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	5.29	30		
Benzo(g,h,i)perylene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	6.52	30		
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	4.77	30		
Bis(2-chloroethoxy)methane	1.17	0.34	mg/Kg wet	1.67		70.1	40-140	3.81	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Bis(2-chloroethyl)ether	1.07	0.34	mg/Kg wet	1.67		64.3	40-140	1.76	30	
Bis(2-chloroisopropyl)ether	1.12	0.34	mg/Kg wet	1.67		67.1	40-140	4.58	30	
Bis(2-Ethylhexyl)phthalate	1.13	0.34	mg/Kg wet	1.67		67.7	40-140	4.25	30	
4-Bromophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.3	40-140	3.22	30	
Butylbenzylphthalate	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	6.31	30	
Carbazole	0.997	0.17	mg/Kg wet	1.67		59.8	40-140	4.77	30	
4-Chloroaniline	0.693	0.66	mg/Kg wet	1.67		41.6	40-140	0.240	30	†
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		66.0	30-130	5.51	30	
2-Chloronaphthalene	0.996	0.34	mg/Kg wet	1.67		59.8	40-140	2.35	30	
2-Chlorophenol	1.03	0.34	mg/Kg wet	1.67		61.6	30-130	5.06	30	
4-Chlorophenylphenylether	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	5.52	30	
Chrysene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	5.32	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	4.48	30	
Dibenzofuran	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	2.76	30	
Di-n-butylphthalate	1.09	0.34	mg/Kg wet	1.67		65.2	40-140	4.73	30	
3,3-Dichlorobenzidine	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	0.775	30	† ‡
2,4-Dichlorophenol	1.13	0.34	mg/Kg wet	1.67		67.6	30-130	3.78	30	
Diethylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140	3.86	30	
2,4-Dimethylphenol	1.07	0.34	mg/Kg wet	1.67		64.2	30-130	4.56	30	
Dimethylphthalate	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	3.26	50	
4,6-Dinitro-2-methylphenol	0.902	0.34	mg/Kg wet	1.67		54.1	30-130	2.70	50	
2,4-Dinitrophenol	0.607	0.66	mg/Kg wet	1.67		36.4	30-130	1.66	50	
2,4-Dinitrotoluene	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	3.77	30	
2,6-Dinitrotoluene	1.18	0.34	mg/Kg wet	1.67		70.7	40-140	3.20	30	
Di-n-octylphthalate	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	4.43	30	
Fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140	3.16	30	
Fluorene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	4.70	30	
Hexachlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.7	40-140	0.986	30	
Hexachlorobutadiene	1.16	0.34	mg/Kg wet	1.67		69.7	40-140	1.99	30	
Hexachlorocyclopentadiene	0.928	0.34	mg/Kg wet	1.67		55.7	30-140	1.29	50	
Hexachloroethane	1.01	0.34	mg/Kg wet	1.67		60.7	40-140	0.460	50	
Indeno(1,2,3-cd)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140	3.70	50	
Isophorone	1.16	0.34	mg/Kg wet	1.67		69.4	40-140	4.45	30	
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.9	40-140	3.17	30	
2-Methylphenol	0.976	0.34	mg/Kg wet	1.67		58.6	30-130	3.72	30	
3/4-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.2	30-130	5.57	30	
Naphthalene	0.977	0.17	mg/Kg wet	1.67		58.6	40-140	4.28	30	
2-Nitroaniline	1.18	0.34	mg/Kg wet	1.67		71.0	40-140	1.26	30	
3-Nitroaniline	0.932	0.34	mg/Kg wet	1.67		55.9	40-140	3.89	30	†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.2	40-140	0.641	30	
Nitrobenzene	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	5.28	30	
2-Nitrophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	0.809	30	
4-Nitrophenol	1.42	0.66	mg/Kg wet	1.67		85.5	10-130	0.769	50	‡
N-Nitrosodiphenylamine	1.32	0.34	mg/Kg wet	1.67		79.2	40-140	5.43	30	
N-Nitrosodi-n-propylamine	1.10	0.34	mg/Kg wet	1.67		65.9	40-140	3.05	30	
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		78.1	40-140	1.55	30	V-16
Pentachlorophenol	0.905	0.34	mg/Kg wet	1.67		54.3	30-130	2.76	50	
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		62.7	40-140	3.26	30	
Phenol	1.08	0.34	mg/Kg wet	1.67		64.6	20-130	5.71	30	
Pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	5.53	30	
Pyridine	0.631	0.34	mg/Kg wet	1.67		37.8	10-140	5.95	50	†
1,2,4,5-Tetrachlorobenzene	1.07	0.34	mg/Kg wet	1.67		64.5	40-140	3.80	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546											
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
1,2,4-Trichlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.1		40-140	3.37	30	
2,4,5-Trichlorophenol	1.10	0.34	mg/Kg wet	1.67		66.3		30-130	1.68	30	
2,4,6-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.2		30-130	2.55	50	
Surrogate: 2-Fluorophenol	*4.53*		mg/Kg wet	6.67		68.0		30-130			
Surrogate: Phenol-d6	*4.56*		mg/Kg wet	6.67		68.5		30-130			
Surrogate: Nitrobenzene-d5	*2.32*		mg/Kg wet	3.33		69.6		30-130			
Surrogate: 2-Fluorobiphenyl	*2.36*		mg/Kg wet	3.33		70.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.14*		mg/Kg wet	6.67		92.0		30-130			
Surrogate: p-Terphenyl-d14	*2.62*		mg/Kg wet	3.33		78.6		30-130			
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17							
Acenaphthene	1.16	0.75	mg/Kg dry	1.83	0.285	47.6		40-140			R-06
Acenaphthylene	0.956	0.75	mg/Kg dry	1.83	ND	52.2		40-140			
Aniline	0.533	1.5	mg/Kg dry	1.83	ND	**29.1**	*	40-140			MS-09
Anthracene	1.80	0.75	mg/Kg dry	1.83	0.945	46.9		40-140			R-06
Benzo(a)anthracene	9.37	0.75	mg/Kg dry	1.83	10.3	**-50.2**	*	40-140			MS-09, R-06
Benzo(a)pyrene	7.57	0.75	mg/Kg dry	1.83	8.83	**-68.8**	*	40-140			MS-08, R-06
Benzo(b)fluoranthene	10.6	0.75	mg/Kg dry	1.83	12.7	**-116**	*	40-140			MS-08, R-06
Benzo(g,h,i)perylene	3.79	0.75	mg/Kg dry	1.83	5.30	**-82.4**	*	40-140			MS-09
Benzo(k)fluoranthene	4.50	0.75	mg/Kg dry	1.83	4.86	**-19.7**	*	40-140			MS-08, R-06
Bis(2-chloroethoxy)methane	1.05	1.5	mg/Kg dry	1.83	ND	57.3		40-140			
Bis(2-chloroethyl)ether	0.992	1.5	mg/Kg dry	1.83	ND	54.2		40-140			
Bis(2-chloroisopropyl)ether	1.07	1.5	mg/Kg dry	1.83	ND	58.6		40-140			
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.7		40-140			
4-Bromophenylphenylether	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140			
Butylbenzylphthalate	1.23	1.5	mg/Kg dry	1.83	ND	67.4		40-140			
Carbazole	1.89	0.75	mg/Kg dry	1.83	0.767	61.2		40-140			R-06
4-Chloroaniline	0.741	2.9	mg/Kg dry	1.83	ND	40.5		40-140			
4-Chloro-3-methylphenol	1.06	2.9	mg/Kg dry	1.83	ND	58.1		30-130			
2-Chloronaphthalene	0.944	1.5	mg/Kg dry	1.83	ND	51.6		40-140			
2-Chlorophenol	0.972	1.5	mg/Kg dry	1.83	ND	53.1		30-130			
4-Chlorophenylphenylether	1.02	1.5	mg/Kg dry	1.83	ND	55.8		40-140			
Chrysene	10.2	0.75	mg/Kg dry	1.83	10.9	**-41.0**	*	40-140			MS-09, R-06
Dibenz(a,h)anthracene	1.51	0.75	mg/Kg dry	1.83	1.38	**7.28**	*	40-140			MS-09
Dibenzofuran	1.13	1.5	mg/Kg dry	1.83	ND	61.8		40-140			
Di-n-butylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.2		40-140			
3,3-Dichlorobenzidine	0.899	0.75	mg/Kg dry	1.83	ND	49.1		40-140			
2,4-Dichlorophenol	0.986	1.5	mg/Kg dry	1.83	ND	53.9		30-130			
Diethylphthalate	1.04	1.5	mg/Kg dry	1.83	ND	56.7		40-140			
2,4-Dimethylphenol	0.869	1.5	mg/Kg dry	1.83	ND	47.5		30-130			
Dimethylphthalate	1.02	1.5	mg/Kg dry	1.83	ND	55.9		40-140			
4,6-Dinitro-2-methylphenol	0.752	1.5	mg/Kg dry	1.83	ND	41.1		30-130			
2,4-Dinitrophenol	0.844	2.9	mg/Kg dry	1.83	ND	46.2		30-130			
2,4-Dinitrotoluene	0.885	1.5	mg/Kg dry	1.83	ND	48.4		40-140			
2,6-Dinitrotoluene	0.932	1.5	mg/Kg dry	1.83	ND	51.0		40-140			
Di-n-octylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.4		40-140			
Fluoranthene	21.7	0.75	mg/Kg dry	1.83	24.1	**-132**	*	40-140			MS-09, R-06
Fluorene	1.14	0.75	mg/Kg dry	1.83	ND	62.5		40-140			
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140			
Hexachlorobutadiene	1.09	1.5	mg/Kg dry	1.83	ND	59.8		40-140			
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140			MS-09
Hexachloroethane	0.719	1.5	mg/Kg dry	1.83	ND	**39.3**	*	40-140			MS-09

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B185495 - SW-846 3546												
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Indeno(1,2,3-cd)pyrene	4.23	0.75	mg/Kg dry	1.83	5.57	**-73.0**	*	40-140				MS-09, R-06
Isophorone	1.07	1.5	mg/Kg dry	1.83	ND	58.7		40-140				
2-Methylnaphthalene	1.06	0.75	mg/Kg dry	1.83	ND	57.8		40-140				
2-Methylphenol	0.880	1.5	mg/Kg dry	1.83	ND	48.1		30-130				
3/4-Methylphenol	0.967	1.5	mg/Kg dry	1.83	ND	52.9		30-130				
Naphthalene	1.01	0.75	mg/Kg dry	1.83	ND	55.3		40-140				
2-Nitroaniline	1.19	1.5	mg/Kg dry	1.83	ND	65.0		40-140				
3-Nitroaniline	1.06	1.5	mg/Kg dry	1.83	ND	57.8		40-140				
4-Nitroaniline	1.10	1.5	mg/Kg dry	1.83	ND	59.9		40-140				
Nitrobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.5		40-140				
2-Nitrophenol	0.722	1.5	mg/Kg dry	1.83	ND	39.4		30-130				
4-Nitrophenol	1.23	2.9	mg/Kg dry	1.83	ND	67.1		30-130				
N-Nitrosodiphenylamine	1.23	1.5	mg/Kg dry	1.83	ND	67.0		40-140				
N-Nitrosodi-n-propylamine	1.05	1.5	mg/Kg dry	1.83	ND	57.1		40-140				
Pentachloronitrobenzene	0.998	1.5	mg/Kg dry	1.83	ND	54.6		40-140				V-16
Pentachlorophenol	0.574	1.5	mg/Kg dry	1.83	ND	31.4		30-130				
Phenanthrene	8.64	0.75	mg/Kg dry	1.83	6.77	102		40-140				R-06
Phenol	0.985	1.5	mg/Kg dry	1.83	ND	53.8		30-130				
Pyrene	22.2	0.75	mg/Kg dry	1.83	21.8	**23.4**	*	40-140				MS-09, R-06
Pyridine	0.553	1.5	mg/Kg dry	1.83	ND	**30.2**	*	40-140				MS-09
1,2,4,5-Tetrachlorobenzene	0.913	1.5	mg/Kg dry	1.83	ND	49.9		40-140				
1,2,4-Trichlorobenzene	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140				
2,4,5-Trichlorophenol	0.957	1.5	mg/Kg dry	1.83	ND	52.3		30-130				
2,4,6-Trichlorophenol	0.997	1.5	mg/Kg dry	1.83	ND	54.5		30-130				
Surrogate: 2-Fluorophenol	*3.86*		mg/Kg dry	7.32		52.8		30-130				
Surrogate: Phenol-d6	*3.98*		mg/Kg dry	7.32		54.4		30-130				
Surrogate: Nitrobenzene-d5	*2.18*		mg/Kg dry	3.66		59.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.00*		mg/Kg dry	3.66		54.8		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.66*		mg/Kg dry	7.32		63.6		30-130				
Surrogate: p-Terphenyl-d14	*2.64*		mg/Kg dry	3.66		72.1		30-130				
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Acenaphthene	1.76	0.75	mg/Kg dry	1.83	0.285	80.7		40-140	**41.5**	*	30	R-06
Acenaphthylene	0.981	0.75	mg/Kg dry	1.83	ND	53.6		40-140	2.57		30	
Aniline	0.534	1.5	mg/Kg dry	1.83	ND	**29.2**	*	40-140	0.274		30	MS-09
Anthracene	3.23	0.75	mg/Kg dry	1.83	0.945	125		40-140	**56.6**	*	30	R-06
Benzo(a)anthracene	14.2	0.75	mg/Kg dry	1.83	10.3	**212**	*	40-140	**40.7**	*	30	MS-09, R-06
Benzo(a)pyrene	10.7	0.75	mg/Kg dry	1.83	8.83	104		40-140	**34.6**	*	30	R-06
Benzo(b)fluoranthene	15.0	0.75	mg/Kg dry	1.83	12.7	122		40-140	**34.2**	*	30	R-06
Benzo(g,h,i)perylene	5.02	0.75	mg/Kg dry	1.83	5.30	**-15.4**	*	40-140	27.8		30	MS-09
Benzo(k)fluoranthene	6.29	0.75	mg/Kg dry	1.83	4.86	77.8		40-140	**33.1**	*	30	R-06
Bis(2-chloroethoxy)methane	1.08	1.5	mg/Kg dry	1.83	ND	59.3		40-140	3.43		30	
Bis(2-chloroethyl)ether	1.02	1.5	mg/Kg dry	1.83	ND	55.7		40-140	2.62		30	
Bis(2-chloroisopropyl)ether	1.06	1.5	mg/Kg dry	1.83	ND	58.0		40-140	0.961		30	
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.6		40-140	0.0913		30	
4-Bromophenylphenylether	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	5.52		30	
Butylbenzylphthalate	1.26	1.5	mg/Kg dry	1.83	ND	68.8		40-140	2.12		30	
Carbazole	2.85	0.75	mg/Kg dry	1.83	0.767	114		40-140	**40.8**	*	30	R-06
4-Chloroaniline	0.751	2.9	mg/Kg dry	1.83	ND	41.0		40-140	1.37		30	
4-Chloro-3-methylphenol	1.05	2.9	mg/Kg dry	1.83	ND	57.4		30-130	1.25		30	
2-Chloronaphthalene	0.926	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.88		30	
2-Chlorophenol	0.924	1.5	mg/Kg dry	1.83	ND	50.5		30-130	5.10		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B185495 - SW-846 3546												
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
4-Chlorophenylphenylether	0.975	1.5	mg/Kg dry	1.83	ND	53.3		40-140	4.69		30	
Chrysene	15.1	0.75	mg/Kg dry	1.83	10.9	**229**	*	40-140	**39.0**	*	30	MS-09, R-06
Dibenz(a,h)anthracene	1.87	0.75	mg/Kg dry	1.83	1.38	**26.6**	*	40-140	21.0		30	MS-09
Dibenzofuran	1.45	1.5	mg/Kg dry	1.83	ND	79.1		40-140	24.6		30	
Di-n-butylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.3		40-140	3.35		30	
3,3-Dichlorobenzidine	0.821	0.75	mg/Kg dry	1.83	ND	44.9		40-140	9.02		30	
2,4-Dichlorophenol	1.03	1.5	mg/Kg dry	1.83	ND	56.2		30-130	4.07		30	
Diethylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.1		40-140	1.13		30	
2,4-Dimethylphenol	0.844	1.5	mg/Kg dry	1.83	ND	46.2		30-130	2.90		30	
Dimethylphthalate	1.01	1.5	mg/Kg dry	1.83	ND	55.4		40-140	1.01		30	
4,6-Dinitro-2-methylphenol	0.749	1.5	mg/Kg dry	1.83	ND	41.0		30-130			30	
2,4-Dinitrophenol	0.840	2.9	mg/Kg dry	1.83	ND	45.9		30-130			30	
2,4-Dinitrotoluene	0.881	1.5	mg/Kg dry	1.83	ND	48.2		40-140	0.497		30	
2,6-Dinitrotoluene	0.921	1.5	mg/Kg dry	1.83	ND	50.3		40-140	1.26		30	
Di-n-octylphthalate	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140	0.549		30	
Fluoranthene	39.0	0.75	mg/Kg dry	1.83	24.1	**810**	*	40-140	**56.8**	*	30	MS-09, R-06
Fluorene	1.53	0.75	mg/Kg dry	1.83	ND	83.7		40-140	29.0		30	
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.6		40-140	0.269		30	
Hexachlorobutadiene	1.03	1.5	mg/Kg dry	1.83	ND	56.6		40-140	5.64		30	
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140	NC		30	MS-09
Hexachloroethane	0.686	1.5	mg/Kg dry	1.83	ND	**37.5**	*	40-140	4.58		30	MS-09
Indeno(1,2,3-cd)pyrene	5.80	0.75	mg/Kg dry	1.83	5.57	**12.8**	*	40-140	**31.3**	*	30	MS-09, R-06
Isophorone	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140	1.08		30	
2-Methylnaphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.4		40-140	1.10		30	
2-Methylphenol	0.846	1.5	mg/Kg dry	1.83	ND	46.2		30-130	3.90		30	
3/4-Methylphenol	0.943	1.5	mg/Kg dry	1.83	ND	51.5		30-130	2.61		30	
Naphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.6		40-140	5.90		30	
2-Nitroaniline	1.16	1.5	mg/Kg dry	1.83	ND	63.3		40-140	2.74		30	
3-Nitroaniline	1.03	1.5	mg/Kg dry	1.83	ND	56.4		40-140	2.52		30	
4-Nitroaniline	1.15	1.5	mg/Kg dry	1.83	ND	62.8		40-140	4.69		30	
Nitrobenzene	1.14	1.5	mg/Kg dry	1.83	ND	62.2		40-140	4.34		30	
2-Nitrophenol	0.667	1.5	mg/Kg dry	1.83	ND	36.5		30-130	7.80		30	
4-Nitrophenol	1.24	2.9	mg/Kg dry	1.83	ND	67.8		30-130	0.949		30	
N-Nitrosodiphenylamine	1.16	1.5	mg/Kg dry	1.83	ND	63.4		40-140	5.64		30	
N-Nitrosodi-n-propylamine	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140	1.55		30	
Pentachloronitrobenzene	0.935	1.5	mg/Kg dry	1.83	ND	51.1		40-140	6.51		30	V-16
Pentachlorophenol	0.542	1.5	mg/Kg dry	1.83	ND	**29.6**	*	30-130	5.77		30	MS-08
Phenanthrene	20.0	0.75	mg/Kg dry	1.83	6.77	**721**	*	40-140	**79.2**	*	30	MS-08, R-06
Phenol	0.922	1.5	mg/Kg dry	1.83	ND	50.4		30-130	6.60		30	
Pyrene	37.9	0.75	mg/Kg dry	1.83	21.8	**879**	*	40-140	**52.2**	*	30	MS-09, R-06
Pyridine	0.634	1.5	mg/Kg dry	1.83	ND	**34.6**	*	40-140	13.6		30	MS-09
1,2,4,5-Tetrachlorobenzene	0.925	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.27		30	
1,2,4-Trichlorobenzene	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	2.30		30	
2,4,5-Trichlorophenol	0.907	1.5	mg/Kg dry	1.83	ND	49.6		30-130	5.34		30	
2,4,6-Trichlorophenol	0.899	1.5	mg/Kg dry	1.83	ND	49.1		30-130	10.3		30	
Surrogate: 2-Fluorophenol	*3.82*		mg/Kg dry	7.32		52.2		30-130				
Surrogate: Phenol-d6	*4.00*		mg/Kg dry	7.32		54.6		30-130				
Surrogate: Nitrobenzene-d5	*2.22*		mg/Kg dry	3.66		60.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.07*		mg/Kg dry	3.66		56.4		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.67*		mg/Kg dry	7.32		63.8		30-130				
Surrogate: p-Terphenyl-d14	*2.67*		mg/Kg dry	3.66		73.1		30-130				

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C										
Blank (B185576-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.214*		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.209*		mg/Kg wet	0.200		105	30-150			
LCS (B185576-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.1	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.3	40-140			
Surrogate: Decachlorobiphenyl	*0.209*		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
LCS Dup (B185576-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.0	40-140	6.46	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.1	40-140	5.67	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140	9.91	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.5	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.196*		mg/Kg wet	0.200		98.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C											
Matrix Spike (B185576-MS1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.32	0.46	mg/Kg dry	0.228	ND	139		40-140			
Aroclor-1016 [2C]	0.32	0.46	mg/Kg dry	0.228	ND	140		40-140			
Aroclor-1260	1.8	0.46	mg/Kg dry	0.228	1.7	46.8		40-140			MS-19
Aroclor-1260 [2C]	1.8	0.46	mg/Kg dry	0.228	1.7	41.5		40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg dry	0.228		80.4		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg dry	0.228		92.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.210*		mg/Kg dry	0.228		92.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.232*		mg/Kg dry	0.228		102		30-150			
Matrix Spike Dup (B185576-MSD1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.27	0.45	mg/Kg dry	0.226	ND	118		40-140	17.6	50	
Aroclor-1016 [2C]	0.30	0.45	mg/Kg dry	0.226	ND	132		40-140	6.89	50	
Aroclor-1260	1.4	0.45	mg/Kg dry	0.226	1.7	**-158**	*	40-140	28.9	50	MS-19
Aroclor-1260 [2C]	1.4	0.45	mg/Kg dry	0.226	1.7	**-154**	*	40-140	28.0	50	MS-19
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg dry	0.226		79.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg dry	0.226		98.7		30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg dry	0.226		86.4		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.216*		mg/Kg dry	0.226		96.0		30-150			
Batch B185577 - SW-846 3540C											
Blank (B185577-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17							
Aroclor-1016	ND	0.10	mg/Kg								
Aroclor-1016 [2C]	ND	0.10	mg/Kg								
Aroclor-1221	ND	0.10	mg/Kg								
Aroclor-1221 [2C]	ND	0.10	mg/Kg								
Aroclor-1232	ND	0.10	mg/Kg								
Aroclor-1232 [2C]	ND	0.10	mg/Kg								
Aroclor-1242	ND	0.10	mg/Kg								
Aroclor-1242 [2C]	ND	0.10	mg/Kg								
Aroclor-1248	ND	0.10	mg/Kg								
Aroclor-1248 [2C]	ND	0.10	mg/Kg								
Aroclor-1254	ND	0.10	mg/Kg								
Aroclor-1254 [2C]	ND	0.10	mg/Kg								
Aroclor-1260	ND	0.10	mg/Kg								
Aroclor-1260 [2C]	ND	0.10	mg/Kg								
Aroclor-1262	ND	0.10	mg/Kg								
Aroclor-1262 [2C]	ND	0.10	mg/Kg								
Aroclor-1268	ND	0.10	mg/Kg								
Aroclor-1268 [2C]	ND	0.10	mg/Kg								
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.12*		mg/Kg	1.00		112		30-150			
Surrogate: Tetrachloro-m-xylene	*0.888*		mg/Kg	1.00		88.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.941*		mg/Kg	1.00		94.1		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185577 - SW-846 3540C										
LCS (B185577-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.97	0.10	mg/Kg	1.00		96.5	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		104	40-140			
Aroclor-1260	0.92	0.10	mg/Kg	1.00		92.2	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		99.8	40-140			
Surrogate: Decachlorobiphenyl	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.22*		mg/Kg	1.00		122	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		mg/Kg	1.00		101	30-150			
LCS Dup (B185577-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.92	0.10	mg/Kg	1.00		92.4	40-140	4.34	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		102	40-140	1.96	30	
Aroclor-1260	0.91	0.10	mg/Kg	1.00		90.7	40-140	1.61	30	
Aroclor-1260 [2C]	0.99	0.10	mg/Kg	1.00		98.8	40-140	1.02	30	
Surrogate: Decachlorobiphenyl	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.20*		mg/Kg	1.00		120	30-150			
Surrogate: Tetrachloro-m-xylene	*0.929*		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.987*		mg/Kg	1.00		98.7	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185490 - SW-846 3546										
Blank (B185490-BLK1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.17*		mg/Kg wet	3.33		95.2	50-150			
LCS (B185490-BS1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.1	10	mg/Kg wet	33.3		69.3	60-120			
Surrogate: o-Terphenyl	*3.34*		mg/Kg wet	3.33		100	50-150			
LCS Dup (B185490-BSD1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.0	10	mg/Kg wet	33.3		69.1	60-120	0.254	30	
Surrogate: o-Terphenyl	*3.11*		mg/Kg wet	3.33		93.2	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185230 - SW-846 7471										
Blank (B185230-BLK1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185230-BS1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	9.79	2.0	mg/Kg wet	9.36		105	73.7-126.3			
LCS Dup (B185230-BSD1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	11.2	1.9	mg/Kg wet	9.36		119	73.7-126.3	13.2	30	
Duplicate (B185230-DUP1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.123	0.028	mg/Kg dry		0.119			3.15	35	
Matrix Spike (B185230-MS1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.312	0.028	mg/Kg dry	0.186	0.119	104	75-125			
Batch B185527 - SW-846 3050B										
Blank (B185527-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B185527-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.8	4.8	mg/Kg wet	146		44.4	0-210.3			
Arsenic	144	4.8	mg/Kg wet	157		91.7	77.8-122.1			
Barium	312	4.8	mg/Kg wet	339		92.1	82-117.4			
Beryllium	54.0	0.48	mg/Kg wet	58.3		92.7	82.3-117.7			
Cadmium	193	0.48	mg/Kg wet	216		89.3	81.9-118.2			
Chromium	82.1	0.96	mg/Kg wet	88.9		92.3	78.7-120.6			
Copper	173	0.96	mg/Kg wet	184		94.2	80.4-119.6			
Lead	87.7	1.4	mg/Kg wet	94.3		93.0	82.4-117.8			
Nickel	143	0.96	mg/Kg wet	154		92.8	82.2-117.8			
Selenium	184	9.6	mg/Kg wet	207		89.1	77.1-122.3			
Silver	40.7	0.96	mg/Kg wet	43.8		92.9	74.3-125.4			
Thallium	144	4.8	mg/Kg wet	167		86.3	78.2-121.6			
Vanadium	82.7	1.9	mg/Kg wet	100		82.7	64.8-135.2			
Zinc	201	1.9	mg/Kg wet	209		96.0	79.7-120.8			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185527 - SW-846 3050B										
LCS Dup (B185527-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.4	5.0	mg/Kg wet	146		44.1	0-210.3	0.641	30	
Arsenic	139	5.0	mg/Kg wet	157		88.5	77.8-122.1	3.60	30	
Barium	304	5.0	mg/Kg wet	339		89.5	82-117.4	2.82	30	
Beryllium	53.2	0.50	mg/Kg wet	58.3		91.2	82.3-117.7	1.63	30	
Cadmium	189	0.50	mg/Kg wet	216		87.7	81.9-118.2	1.76	30	
Chromium	79.5	1.0	mg/Kg wet	88.9		89.5	78.7-120.6	3.14	30	
Copper	170	1.0	mg/Kg wet	184		92.6	80.4-119.6	1.71	30	
Lead	87.2	1.5	mg/Kg wet	94.3		92.4	82.4-117.8	0.599	30	
Nickel	139	1.0	mg/Kg wet	154		90.3	82.2-117.8	2.69	30	
Selenium	177	10	mg/Kg wet	207		85.3	77.1-122.3	4.30	30	
Silver	40.0	1.0	mg/Kg wet	43.8		91.4	74.3-125.4	1.69	30	
Thallium	141	5.0	mg/Kg wet	167		84.6	78.2-121.6	1.99	30	
Vanadium	81.7	2.0	mg/Kg wet	100		81.7	64.8-135.2	1.26	30	
Zinc	196	2.0	mg/Kg wet	209		93.8	79.7-120.8	2.31	30	
MRL Check (B185527-MRL1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Lead	0.901	0.75	mg/Kg wet	0.750		120	80-120			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185325 - % Solids										
Duplicate (B185325-DUP3)		**Source: 17H1544-01**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	85.1		% Wt		87.8			3.12	20	
Duplicate (B185325-DUP4)		**Source: 17H1544-02**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	59.0		% Wt		60.2			2.01	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-26

Lab Sample ID: 17H1544-01

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.7	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-27

Lab Sample ID: 17H1544-02

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.0	
	2	0.000	-0.030	0.030	4.9	2.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-28

Lab Sample ID: 17H1544-03

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.26	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-29

Lab Sample ID: 17H1544-04

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.40	0.0
Aroclor-1268	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.13	26.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-30

Lab Sample ID: 17H1544-05

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.46	
	2	0.000	-0.030	0.030	0.43	6.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-31

Lab Sample ID: 17H1544-06

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	9.8	
	2	0.000	-0.030	0.030	9.2	6.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC3-SE-6

Lab Sample ID: 17H1544-07

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	7.5	
	2	0.000	-0.030	0.030	7.1	5.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-16

Lab Sample ID: 17H1544-08

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2300	
	2	0.000	-0.030	0.030	2100	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-17

Lab Sample ID: 17H1544-09

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	13	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AS-AOC8-SE-18

Lab Sample ID: 17H1544-10

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	5.5	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-19

Lab Sample ID: 17H1544-11

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	1.4	6.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-24

Lab Sample ID: 17H1544-12

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.32	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-26

Lab Sample ID: 17H1544-13

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	1.1	13.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-27

Lab Sample ID: 17H1544-14

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.93	9.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-29

Lab Sample ID: 17H1544-15

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.9	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-16

Lab Sample ID: 17H1544-16

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1700	
	2	0.000	0.000	0.000	1800	5.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-17

Lab Sample ID: 17H1544-17

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.7	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-18

Lab Sample ID: 17H1544-18

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.9	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-19

Lab Sample ID: 17H1544-19

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.74	
	2	0.000	0.000	0.000	0.79	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-Dup1

Lab Sample ID: 17H1544-20 Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.5	6.5

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
MS-08	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H1544

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soil/Lt)	TPH	RSR 15 Metals	SVOCs	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
1	WS-AOC13-SE-26	8/29/17	0900		X	S	U	X	X	X	X	X			
2	WS-AOC13-SE-27	↓	0930		↓	↓	↓	X	X	X	X	X			
3	WS-AOC13-SE-28		0945					X	X	X	X	X			
4	WS-AOC13-SE-29		1000					X	X	X	X	X			
5	WS-AOC13-SE-30		1015					X	X	X	X	X			
6	WS-AOC13-SE-31		1030					X	X	X	X	X			
7	WS-AOC3-SE-6		1045					X	X	X	X	X			
8	WS-AOC8-SE-16		1200					X	X	X	X	X			
9	WS-AOC8-SE-17		1215					X	X	X	X	X			
10	WS-AOC8-SE-18	↓	1230		↓	↓	↓	X	X	X	X	X			

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1720
Relinquished by: (signature)	Date/Time: 8/29/17 530
Received by: (signature) 2-4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information 8/29/17 1730
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID #

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	RCRA 15 metals	SVOCs	VOCs						# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC8-SE-19	8/29/17	1245		X	S	U	X	X	X	X	X								
12	WS-AOC8-SE-24		1300		X	S	U	X	X	X	X	X								
13	WS-AOC13-Co-26		910			O		X												
14	WS-AOC13-Co-27		940					X												
15	WS-AOC13-Co-29		1005					X												
16	WS-AOC8-Co-16		1205					X												
17	WS-AOC8-Co-17		1220					X												
18	WS-AOC8-Co-18		1235					X												
19	WS-AOC8-Co-19		1250					X												
20	WS-AOC13-SE-Dup1		—			S		X	X	X	X	X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) Concrete

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1421
Relinquished by: (signature)	Date/Time: 8/29/17 5:24
Received by: (signature) 2.4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
8/29/17 1730
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 8/29/17 Time 1730

How were the samples received? In Cooler T No Cooler ___ On Ice T No Ice ___
Direct from Sampling ___ Ambient ___ Melted Ice ___

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.4
By Blank # ___ Actual Temp - ___

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ___
Are there Rushes? N/A Who was notified? ___
Are there Short Holds? N/A Who was notified? ___
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ___ Base ___

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	26
Meoh-	13	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	7
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	26	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/29/17 1730	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A090817\A0908004.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0908004.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	541174	590138	-8
c - 10	1.64	549205	590138	-7
c - 12	2.37	570790	590138	-3
c - 14	3.04	588545	590138	0
c - 16	3.65	606275	590138	3
c - 18	4.29	603163	590138	2
o-Terphenyl	4.57	671009	590138	
c - 20	4.89	614278	590138	4
c - 22	5.40	628020	590138	6
c - 24	5.83	588777	590138	0
c - 26	6.23	620968	590138	5
c - 28	6.59	612017	590138	4
c - 30	6.92	601286	590138	2
c - 32	7.24	579458	590138	-2
c - 34	7.53	575320	590138	-3
c - 36	7.87	572788	590138	-3

* One compound allowed %D <= 50%

Samples

17H1660-05@10X
17H1544-02@10X

D:\HPCHEM\1\DATA\A090717.SEC\A0907051.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/7/17
Data File Name	A0907051.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	492390	513022	-4
c - 10	1.62	497817	513022	-3
c - 12	2.34	511550	513022	0
c - 14	3.01	521030	513022	2
c - 16	3.61	531350	513022	4
c - 18	4.23	523098	513022	2
o-Terphenyl	4.51	581697	513022	
c - 20	4.83	527200	513022	3
c - 22	5.34	533805	513022	4
c - 24	5.77	500511	513022	-2
c - 26	6.17	522595	513022	2
c - 28	6.52	515407	513022	0
c - 30	6.86	512082	513022	0
c - 32	7.17	498488	513022	-3
c - 34	7.46	502952	513022	-2
c - 36	7.77	505050	513022	-2

* One compound allowed %D <= 50%

Samples

17H1544-01@20X
17H1544-03@50X
17H1544-04@50X
17H1544-05@50X
17H1544-06@50X
17H1544-07@50X
17H1544-08@50X
17H1544-09@50X
17H1544-10@50X
17H1544-12@50X
17H1544-20@20X

D:\HPCHEM\1\DATA\A090717.SEC\A0907107.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0907107.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.28	633604	668690	-5
c - 10	1.63	642603	668690	-4
c - 12	2.35	661457	668690	-1
c - 14	3.01	675114	668690	1
c - 16	3.61	691044	668690	3
c - 18	4.23	682814	668690	2
o-Terphenyl	4.51	760564	668690	
c - 20	4.83	689419	668690	3
c - 22	5.34	698070	668690	4
c - 24	5.77	652285	668690	-2
c - 26	6.17	681611	668690	2
c - 28	6.52	673200	668690	1
c - 30	6.86	670545	668690	0
c - 32	7.16	656318	668690	-2
c - 34	7.46	660463	668690	-1
c - 36	7.77	661808	668690	-1

* One compound allowed %D <= 50%

Samples

17H1579-01RE1
17H1544-11
17H1621-18@20X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 510 Grand Ave., New Haven, CT

Project Number: 17H1544

Laboratory Sample ID(s):

17H1544-01 thru 17H1544-20

Sample Date(s):

08/29/2017

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C-D, SW-846 7470A, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5B	Were these reporting limits met?	☐ Yes ☑ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **09/12/17**

Name of Laboratory: **Con-Test Analytical Laboratory**

This certification form is to be used for RCP methods only.

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September 12, 2017

Malcolm Beeler
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 510 Grand Ave., New Haven, CT
Client Job Number:
Project Number: 2170495
Laboratory Work Order Number: 17H1544

Enclosed are results of analyses for samples received by the laboratory on August 29, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC13-SE-26	17H1544-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-27	17H1544-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-28	17H1544-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-29	17H1544-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-SE-30	17H1544-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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Rocky Hill, CT 06067
ATTN: Malcolm Beeler

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC13-SE-31	17H1544-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC3-SE-6	17H1544-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-16	17H1544-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-17	17H1544-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
AS-AOC8-SE-18	17H1544-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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ATTN: Malcolm Beeler

REPORT DATE: 9/12/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2170495

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17H1544

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 510 Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WS-AOC8-SE-19	17H1544-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC8-SE-24	17H1544-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
WS-AOC13-CO-26	17H1544-13	Product/Solid		SW-846 8082A	
WS-AOC13-CO-27	17H1544-14	Product/Solid		SW-846 8082A	
WS-AOC13-CO-29	17H1544-15	Product/Solid		SW-846 8082A	
WS-AOC8-CO-16	17H1544-16	Product/Solid		SW-846 8082A	
WS-AOC8-CO-17	17H1544-17	Product/Solid		SW-846 8082A	
WS-AOC8-CO-18	17H1544-18	Product/Solid		SW-846 8082A	
WS-AOC8-CO-19	17H1544-19	Product/Solid		SW-846 8082A	
WS-AOC13-SE-Dup1	17H1544-20	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C-D	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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CTDEP ETPH

Qualifications:

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

o-Terphenyl

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 6010C-D

Qualifications:

DL-04

Elevated reporting limit due to high concentration of an interfering analyte(s).

Analyte & Samples(s) Qualified:

Silver

17H1544-01[WS-AOC13-SE-26], 17H1544-03[WS-AOC13-SE-28], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1]

SW-846 8082A

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aroclor-1260

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

Aroclor-1260 [2C]

17H1544-01[WS-AOC13-SE-26], B185576-MS1, B185576-MSD1

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Decachlorobiphenyl [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Tetrachloro-m-xylene

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

Tetrachloro-m-xylene [2C]

17H1544-02[WS-AOC13-SE-27], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-16[WS-AOC8-CO-16]

SW-846 8260C

Qualifications:

L-01

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DB

B185016-BS1

Chloromethane

B185016-BS1

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V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Tetrahydrofuran
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-20[WS-AOC13-SE-Dup1], B185200-BLK1, B185200-BS1

SW-846 8270D

Qualifications:

E

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Anthracene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)anthracene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(a)pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-06[WS-AOC13-SE-31], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(b)fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(g,h,i)perylene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Benzo(k)fluoranthene
17H1544-09[WS-AOC8-SE-17], 17H1544-11[WS-AOC8-SE-19]

Carbazole
17H1544-11[WS-AOC8-SE-19]

Chrysene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Dibenz(a,h)anthracene
17H1544-11[WS-AOC8-SE-19]

Fluoranthene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

Fluorene
17H1544-11[WS-AOC8-SE-19]

Indeno(1,2,3-cd)pyrene
17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Phenanthrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19]

Pyrene
17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19]

MS-08

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Benzo(a)pyrene
B185495-MS1

Benzo(b)fluoranthene
B185495-MS1

Benzo(k)fluoranthene
B185495-MS1

Pentachlorophenol
B185495-MSD1

Phenanthrene
B185495-MSD1

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MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Aniline
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(g,h,i)perylene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Dibenz(a,h)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachlorocyclopentadiene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Hexachloroethane
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyridine
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Acenaphthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)anthracene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(a)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(b)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Benzo(k)fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Carbazole
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Chrysene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Fluoranthene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Indeno(1,2,3-cd)pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Phenanthrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

Pyrene
17H1544-05[WS-AOC13-SE-30], B185495-MS1, B185495-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

17H1544-03[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1]

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S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorobiphenyl
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

2-Fluorophenol
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Nitrobenzene-d5
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

Phenol-d6
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

p-Terphenyl-d14
17H1544-09RE1[WS-AOC8-SE-17], 17H1544-11RE2[WS-AOC8-SE-19]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544-11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24]

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene
17H1544-01[WS-AOC13-SE-26], 17H1544-02[WS-AOC13-SE-27], 17H1544-03[WS-AOC13-SE-28], 17H1544-03RE1[WS-AOC13-SE-28], 17H1544-04[WS-AOC13-SE-29], 17H1544-04RE1[WS-AOC13-SE-29], 17H1544-05[WS-AOC13-SE-30], 17H1544-05RE1[WS-AOC13-SE-30], 17H1544-06[WS-AOC13-SE-31], 17H1544-06RE1[WS-AOC13-SE-31], 17H1544-07[WS-AOC3-SE-6], 17H1544-08[WS-AOC8-SE-16], 17H1544-08RE1[WS-AOC8-SE-16], 17H1544-09[WS-AOC8-SE-17], 17H1544-09RE1[WS-AOC8-SE-17], 17H1544-10[AS-AOC8-SE-18], 17H1544-10RE1[AS-AOC8-SE-18], 17H1544-11[WS-AOC8-SE-19], 17H1544-11RE1[WS-AOC8-SE-19], 17H1544-11RE2[WS-AOC8-SE-19], 17H1544-12[WS-AOC8-SE-24], 17H1544-20[WS-AOC13-SE-Dup1], B185495-BLK1, B185495-BS1, B185495-BSD1, B185495-MS1, B185495-MSD1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

SW-846 8270D

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3’-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Acrylonitrile	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Bromomethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Butanone (MEK)	ND	0.035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Disulfide	ND	0.0052	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chlorodibromomethane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloroform	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Chloromethane	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dibromoethane (EDB)	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,4-Dichloro-2-butene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3-Dichloropropane	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
cis-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
trans-1,3-Dichloropropene	ND	0.00087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Naphthalene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Tetrahydrofuran	ND	0.0087	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
Vinyl Chloride	ND	0.0087	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
m+p Xylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 7:26
Toluene-d8	104	70-130		8/30/17 7:26
4-Bromofluorobenzene	99.5	70-130		8/30/17 7:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)anthracene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(a)pyrene	0.50	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(b)fluoranthene	0.73	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(g,h,i)perylene	0.52	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Benzo(k)fluoranthene	0.27	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Chrysene	0.47	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluoranthene	0.60	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Indeno(1,2,3-cd)pyrene	0.46	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyrene	0.61	0.19	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.4	30-130		9/6/17 20:28
Phenol-d6	62.3	30-130		9/6/17 20:28
Nitrobenzene-d5	64.9	30-130		9/6/17 20:28
2-Fluorobiphenyl	64.5	30-130		9/6/17 20:28
2,4,6-Tribromophenol	73.9	30-130		9/6/17 20:28
p-Terphenyl-d14	71.8	30-130		9/6/17 20:28

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1254 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1260 [1]	1.7	0.46	mg/Kg dry	20	MS-19	SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	9/6/17	9/9/17 23:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		9/9/17 23:03
Decachlorobiphenyl [2]	113	30-150		9/9/17 23:03
Tetrachloro-m-xylene [1]	93.7	30-150		9/9/17 23:03
Tetrachloro-m-xylene [2]	104	30-150		9/9/17 23:03

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	900	230	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 18:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	16	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Arsenic	26	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Barium	66	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Cadmium	1.9	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Chromium	74	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Copper	360	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Lead	190	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:08	TJK
Nickel	110	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:38	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:03	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:08	QNW
Vanadium	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW
Zinc	310	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:15	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-26 Sampled: 8/29/2017 09:00

Sample ID: 17H1544-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.15	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Acrylonitrile	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Benzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromodichloromethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromoform	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Bromomethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Butanone (MEK)	ND	0.061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
sec-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
tert-Butylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Disulfide	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Carbon Tetrachloride	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chlorodibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroethane	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloroform	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Chloromethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Chlorotoluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dibromomethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,4-Dichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloroethylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,2-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2,2-Dichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1-Dichloropropene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
cis-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
trans-1,3-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Ethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Hexachlorobutadiene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
2-Hexanone (MBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Isopropylbenzene (Cumene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Methylene Chloride	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Naphthalene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
n-Propylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Styrene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrachloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Tetrahydrofuran	ND	0.015	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Toluene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trichlorobenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,1-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloroethane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,3-Trichloropropane	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,2,4-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
1,3,5-Trimethylbenzene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
Vinyl Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
m+p Xylene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF
o-Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 7:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		8/30/17 7:55
Toluene-d8	103	70-130		8/30/17 7:55
4-Bromofluorobenzene	101	70-130		8/30/17 7:55

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Acenaphthylene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Aniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)anthracene	2.0	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(a)pyrene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(b)fluoranthene	3.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(g,h,i)perylene	1.7	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Benzo(k)fluoranthene	1.2	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethoxy)methane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroethyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-chloroisopropyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Bromophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Butylbenzylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Carbazole	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloroaniline	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chloro-3-methylphenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chloronaphthalene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Chlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Chlorophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Chrysene	2.3	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenz(a,h)anthracene	0.44	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dibenzofuran	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-butylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3,3-Dichlorobenzidine	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Diethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dimethylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Dimethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4,6-Dinitro-2-methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,6-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Di-n-octylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluoranthene	3.6	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Fluorene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorobutadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachlorocyclopentadiene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Hexachloroethane	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Indeno(1,2,3-cd)pyrene	1.8	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Isophorone	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Methylnaphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3/4-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Naphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
3-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Nitrobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2-Nitrophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
4-Nitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodiphenylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
N-Nitrosodi-n-propylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachloronitrobenzene	ND	0.56	mg/Kg dry	1	V-16	SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pentachlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenanthrene	0.93	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Phenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyrene	3.5	0.28	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
Pyridine	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
1,2,4-Trichlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,5-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL
2,4,6-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D	9/5/17	9/6/17 20:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	50.2	30-130		9/6/17 20:52
Phenol-d6	52.6	30-130		9/6/17 20:52
Nitrobenzene-d5	58.0	30-130		9/6/17 20:52
2-Fluorobiphenyl	57.9	30-130		9/6/17 20:52
2,4,6-Tribromophenol	65.0	30-130		9/6/17 20:52
p-Terphenyl-d14	66.7	30-130		9/6/17 20:52

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1254 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1260 [1]	5.0	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	40		SW-846 8082A	9/6/17	9/9/17 23:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 23:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 23:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 23:15

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	210	170	mg/Kg dry	10		CTDEP ETPH	9/5/17	9/8/17 16:29	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	64.1	50-150		9/8/17 16:29

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	6.2	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Arsenic	15	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Barium	180	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Beryllium	ND	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Cadmium	3.7	0.41	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Chromium	47	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Copper	650	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Lead	310	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Mercury	0.83	0.084	mg/Kg dry	2		SW-846 7471B	8/30/17	9/6/17 13:14	TJK
Nickel	160	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Selenium	37	8.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:42	QNW
Silver	ND	0.81	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Thallium	ND	4.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Vanadium	450	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW
Zinc	1000	1.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:21	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-27 Sampled: 8/29/2017 09:30

Sample ID: 17H1544-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	60.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
trans-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 8:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		8/30/17 8:23
Toluene-d8	104	70-130		8/30/17 8:23
4-Bromofluorobenzene	98.3	70-130		8/30/17 8:23

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	2.1	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Acenaphthylene	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Acenaphthylene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Aniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Aniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Anthracene	4.8	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Anthracene	5.5	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)anthracene	21	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)anthracene	23	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(a)pyrene	15	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(a)pyrene	16	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(b)fluoranthene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(b)fluoranthene	24	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(g,h,i)perylene	7.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(g,h,i)perylene	7.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Benzo(k)fluoranthene	8.4	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Benzo(k)fluoranthene	9.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethoxy)methane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethoxy)methane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroethyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroethyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-chloroisopropyl)ether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-chloroisopropyl)ether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Bromophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Bromophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Butylbenzylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Carbazole	5.6	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Carbazole	6.2	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloroaniline	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloroaniline	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chloro-3-methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chloro-3-methylphenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chloronaphthalene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chloronaphthalene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Chlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Chlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Chlorophenylphenylether	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Chlorophenylphenylether	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Chrysene	22	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Chrysene	25	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	2.0	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenz(a,h)anthracene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dibenzofuran	1.6	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dibenzofuran	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-butylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-butylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3,3-Dichlorobenzidine	ND	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3,3-Dichlorobenzidine	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Diethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Diethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dimethylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dimethylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Dimethylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4,6-Dinitro-2-methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4,6-Dinitro-2-methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,6-Dinitrotoluene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,6-Dinitrotoluene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Di-n-octylphthalate	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluoranthene	67	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluoranthene	71	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Fluorene	1.5	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Fluorene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorobutadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorobutadiene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachlorocyclopentadiene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachlorocyclopentadiene	ND	7.5	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Hexachloroethane	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Hexachloroethane	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Indeno(1,2,3-cd)pyrene	8.7	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Indeno(1,2,3-cd)pyrene	8.9	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Isophorone	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Isophorone	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Methylnaphthalene	0.41	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylnaphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3/4-Methylphenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3/4-Methylphenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Naphthalene	1.2	0.37	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Naphthalene	ND	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
3-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
3-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitroaniline	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitroaniline	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Nitrobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Nitrobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2-Nitrophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2-Nitrophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
4-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
4-Nitrophenol	ND	14	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodiphenylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodiphenylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
N-Nitrosodi-n-propylamine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
N-Nitrosodi-n-propylamine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachloronitrobenzene	ND	0.75	mg/Kg dry	2	V-16	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachloronitrobenzene	ND	7.5	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pentachlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pentachlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenanthrene	45	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenanthrene	46	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Phenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Phenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyrene	61	0.37	mg/Kg dry	2	E	SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyrene	56	3.7	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
Pyridine	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
Pyridine	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
1,2,4-Trichlorobenzene	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
1,2,4-Trichlorobenzene	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,5-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,5-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL
2,4,6-Trichlorophenol	ND	0.75	mg/Kg dry	2		SW-846 8270D	9/5/17	9/6/17 21:16	BGL
2,4,6-Trichlorophenol	ND	7.5	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 13:45	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.5	30-130		9/6/17 21:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		68.1	30-130					9/7/17 13:45	
Phenol-d6		57.6	30-130					9/6/17 21:16	
Phenol-d6		66.6	30-130					9/7/17 13:45	
Nitrobenzene-d5		64.2	30-130					9/6/17 21:16	
Nitrobenzene-d5		76.0	30-130					9/7/17 13:45	
2-Fluorobiphenyl		59.5	30-130					9/6/17 21:16	
2-Fluorobiphenyl		66.6	30-130					9/7/17 13:45	
2,4,6-Tribromophenol		69.0	30-130					9/6/17 21:16	
2,4,6-Tribromophenol		74.3	30-130					9/7/17 13:45	
p-Terphenyl-d14		69.3	30-130					9/6/17 21:16	
p-Terphenyl-d14		72.6	30-130					9/7/17 13:45	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1260 [2]	0.26	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:28	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		9/9/17 23:28
Decachlorobiphenyl [2]	98.3	30-150		9/9/17 23:28
Tetrachloro-m-xylene [1]	91.9	30-150		9/9/17 23:28
Tetrachloro-m-xylene [2]	95.9	30-150		9/9/17 23:28

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	720	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 18:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 18:57

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	19	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Arsenic	10	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Barium	61	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Cadmium	0.78	0.27	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Chromium	48	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Copper	200	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Lead	240	0.82	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Mercury	0.10	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:09	TJK
Nickel	69	0.55	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:49	QNW
Silver	ND	2.7	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:12	QNW
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:17	QNW
Vanadium	68	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW
Zinc	240	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:27	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-28 Sampled: 8/29/2017 09:45

Sample ID: 17H1544-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Acrylonitrile	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Bromomethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Disulfide	ND	0.0046	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chlorodibromomethane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Chloromethane	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dibromoethane (EDB)	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3-Dichloropropane	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
cis-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
trans-1,3-Dichloropropene	ND	0.00076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Tetrahydrofuran	ND	0.0076	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
Vinyl Chloride	ND	0.0076	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.8	70-130		8/30/17 9:19
Toluene-d8	105	70-130		8/30/17 9:19
4-Bromofluorobenzene	104	70-130		8/30/17 9:19

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthene	1.6	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Acenaphthylene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Aniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Aniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Anthracene	3.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)anthracene	16	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)anthracene	17	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(a)pyrene	13	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(a)pyrene	13	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(b)fluoranthene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(b)fluoranthene	19	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(g,h,i)perylene	6.2	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(g,h,i)perylene	7.7	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Benzo(k)fluoranthene	7.3	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Benzo(k)fluoranthene	6.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethoxy)methane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroethyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-chloroisopropyl)ether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Bromophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Butylbenzylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Carbazole	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Carbazole	3.5	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloroaniline	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chloro-3-methylphenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chloronaphthalene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Chlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Chlorophenylphenylether	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Chrysene	18	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Chrysene	18	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenz(a,h)anthracene	1.8	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dibenzofuran	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-butylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3,3-Dichlorobenzidine	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Diethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dimethylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Dimethylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4,6-Dinitro-2-methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,6-Dinitrotoluene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Di-n-octylphthalate	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluoranthene	46	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluoranthene	52	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Fluorene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Fluorene	1.2	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorobutadiene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachlorocyclopentadiene	ND	9.4	mg/Kg dry	25	V-05	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Hexachloroethane	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Indeno(1,2,3-cd)pyrene	6.6	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Indeno(1,2,3-cd)pyrene	8.4	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Isophorone	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Methylnaphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3/4-Methylphenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Naphthalene	ND	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
3-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitroaniline	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Nitrobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2-Nitrophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
4-Nitrophenol	ND	18	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodiphenylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
N-Nitrosodi-n-propylamine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachloronitrobenzene	ND	9.4	mg/Kg dry	25	V-16	SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pentachlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenanthrene	27	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenanthrene	30	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Phenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyrene	36	4.7	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyrene	46	0.75	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 21:40	BGL
Pyridine	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
Pyridine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
1,2,4-Trichlorobenzene	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,5-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL
2,4,6-Trichlorophenol	ND	9.4	mg/Kg dry	25		SW-846 8270D	9/5/17	9/7/17 19:06	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 21:40	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	65.6	30-130		9/7/17 19:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		67.3	30-130					9/6/17 21:40	
Phenol-d6		68.4	30-130					9/7/17 19:06	
Phenol-d6		69.3	30-130					9/6/17 21:40	
Nitrobenzene-d5		76.5	30-130					9/7/17 19:06	
Nitrobenzene-d5		79.8	30-130					9/6/17 21:40	
2-Fluorobiphenyl		67.3	30-130					9/7/17 19:06	
2-Fluorobiphenyl		70.8	30-130					9/6/17 21:40	
2,4,6-Tribromophenol		86.7	30-130					9/7/17 19:06	
2,4,6-Tribromophenol		89.6	30-130					9/6/17 21:40	
p-Terphenyl-d14		74.3	30-130					9/7/17 19:06	
p-Terphenyl-d14		88.2	30-130					9/6/17 21:40	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1260 [1]	0.40	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG
Aroclor-1268 [1]	0.17	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		9/9/17 23:41
Decachlorobiphenyl [2]	96.4	30-150		9/9/17 23:41
Tetrachloro-m-xylene [1]	75.6	30-150		9/9/17 23:41
Tetrachloro-m-xylene [2]	79.2	30-150		9/9/17 23:41

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	780	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:14

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	5.6	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Arsenic	5.0	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Barium	130	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Beryllium	ND	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Cadmium	1.2	0.26	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Chromium	26	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Copper	140	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Lead	280	0.79	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Mercury	0.26	0.027	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:28	TJK
Nickel	92	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 16:59	QNW
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Vanadium	170	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW
Zinc	630	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:33	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-29 Sampled: 8/29/2017 10:00

Sample ID: 17H1544-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 9:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.9	70-130		8/30/17 9:48
Toluene-d8	105	70-130		8/30/17 9:48
4-Bromofluorobenzene	98.8	70-130		8/30/17 9:48

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthene	ND	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Acenaphthylene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Acenaphthylene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Aniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Aniline	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Anthracene	0.95	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)anthracene	9.7	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)anthracene	10	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(a)pyrene	8.0	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(a)pyrene	8.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(b)fluoranthene	12	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(b)fluoranthene	13	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(g,h,i)perylene	4.3	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(g,h,i)perylene	5.3	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Benzo(k)fluoranthene	3.8	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Benzo(k)fluoranthene	4.9	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethoxy)methane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroethyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-chloroisopropyl)ether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Bromophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Butylbenzylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Carbazole	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Carbazole	0.77	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloroaniline	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloroaniline	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chloronaphthalene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Chlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Chlorophenylphenylether	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Chrysene	10	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Chrysene	11	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenz(a,h)anthracene	1.4	0.75	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dibenzofuran	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-butylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3,3-Dichlorobenzidine	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Diethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dimethylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Dimethylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4,6-Dinitro-2-methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,6-Dinitrotoluene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Di-n-octylphthalate	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluoranthene	21	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluoranthene	24	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Fluorene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Fluorene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorobutadiene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachlorocyclopentadiene	ND	6.0	mg/Kg dry	16	V-05	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Hexachloroethane	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Indeno(1,2,3-cd)pyrene	4.1	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Indeno(1,2,3-cd)pyrene	5.6	0.75	mg/Kg dry	4	MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Isophorone	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Isophorone	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Methylnaphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylnaphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3/4-Methylphenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Naphthalene	ND	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Naphthalene	ND	0.75	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
3-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitroaniline	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Nitrobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2-Nitrophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
4-Nitrophenol	ND	12	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
4-Nitrophenol	ND	2.9	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodiphenylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
N-Nitrosodi-n-propylamine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachloronitrobenzene	ND	6.0	mg/Kg dry	16	V-16	SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pentachlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenanthrene	6.2	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenanthrene	6.8	0.75	mg/Kg dry	4	R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Phenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Phenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyrene	18	3.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyrene	22	0.75	mg/Kg dry	4	E, MS-09, R-06	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
Pyridine	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
Pyridine	ND	1.5	mg/Kg dry	4	MS-09	SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
1,2,4-Trichlorobenzene	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,5-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL
2,4,6-Trichlorophenol	ND	6.0	mg/Kg dry	16		SW-846 8270D	9/5/17	9/7/17 19:34	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.5	30-130		9/7/17 19:34

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-30 Sampled: 8/29/2017 10:15

Sample ID: 17H1544-05

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		54.9	30-130					9/6/17 22:03	
Phenol-d6		51.9	30-130					9/7/17 19:34	
Phenol-d6		57.0	30-130					9/6/17 22:03	
Nitrobenzene-d5		63.4	30-130					9/7/17 19:34	
Nitrobenzene-d5		66.2	30-130					9/6/17 22:03	
2-Fluorobiphenyl		55.5	30-130					9/7/17 19:34	
2-Fluorobiphenyl		61.0	30-130					9/6/17 22:03	
2,4,6-Tribromophenol		69.8	30-130					9/7/17 19:34	
2,4,6-Tribromophenol		75.5	30-130					9/6/17 22:03	
p-Terphenyl-d14		62.4	30-130					9/7/17 19:34	
p-Terphenyl-d14		71.4	30-130					9/6/17 22:03	

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Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1260 [1]	0.46	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	9/6/17	9/9/17 23:53	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.2	30-150		9/9/17 23:53
Decachlorobiphenyl [2]	89.7	30-150		9/9/17 23:53
Tetrachloro-m-xylene [1]	92.8	30-150		9/9/17 23:53
Tetrachloro-m-xylene [2]	95.6	30-150		9/9/17 23:53

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Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	820	550	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:32

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Sample ID: 17H1544-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	24	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Arsenic	8.4	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Barium	560	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Cadmium	3.0	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Chromium	87	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Copper	350	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Lead	1500	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Mercury	0.25	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:30	TJK
Nickel	130	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:03	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:21	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:25	QNW
Vanadium	300	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW
Zinc	1900	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:39	QNW

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Sample ID: 17H1544-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.1		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Acrylonitrile	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Butanone (MEK)	ND	0.043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Disulfide	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloroform	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

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Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Naphthalene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
m+p Xylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 10:16
Toluene-d8	104	70-130		8/30/17 10:16
4-Bromofluorobenzene	104	70-130		8/30/17 10:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	3.2	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Acenaphthylene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Acenaphthylene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Aniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Aniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Anthracene	7.7	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)anthracene	38	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)anthracene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(a)pyrene	28	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(a)pyrene	30	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(b)fluoranthene	42	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(b)fluoranthene	42	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(g,h,i)perylene	14	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(g,h,i)perylene	14	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Benzo(k)fluoranthene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Benzo(k)fluoranthene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethoxy)methane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethoxy)methane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroethyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroethyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-chloroisopropyl)ether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-chloroisopropyl)ether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Bis(2-Ethylhexyl)phthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Bromophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Bromophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Butylbenzylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Butylbenzylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Carbazole	6.9	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Carbazole	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloroaniline	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloroaniline	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chloro-3-methylphenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chloro-3-methylphenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chloronaphthalene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chloronaphthalene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Chlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Chlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Chlorophenylphenylether	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Chlorophenylphenylether	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Chrysene	40	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Chrysene	45	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	3.8	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenz(a,h)anthracene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dibenzofuran	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dibenzofuran	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-butylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-butylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3,3-Dichlorobenzidine	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3,3-Dichlorobenzidine	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Diethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Diethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dimethylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dimethylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Dimethylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Dimethylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4,6-Dinitro-2-methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4,6-Dinitro-2-methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,6-Dinitrotoluene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,6-Dinitrotoluene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Di-n-octylphthalate	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Di-n-octylphthalate	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluoranthene	130	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluoranthene	120	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Fluorene	2.3	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Fluorene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorobutadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorobutadiene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachlorocyclopentadiene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachlorocyclopentadiene	ND	21	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Hexachloroethane	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Hexachloroethane	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Indeno(1,2,3-cd)pyrene	15	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Indeno(1,2,3-cd)pyrene	17	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Isophorone	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Isophorone	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Methylnaphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylnaphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3/4-Methylphenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3/4-Methylphenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Naphthalene	ND	1.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Naphthalene	ND	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
3-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
3-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitroaniline	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitroaniline	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Nitrobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Nitrobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2-Nitrophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2-Nitrophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
4-Nitrophenol	ND	4.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
4-Nitrophenol	ND	41	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodiphenylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodiphenylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
N-Nitrosodi-n-propylamine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
N-Nitrosodi-n-propylamine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachloronitrobenzene	ND	2.1	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachloronitrobenzene	ND	21	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pentachlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pentachlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenanthrene	66	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenanthrene	61	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Phenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Phenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyrene	110	1.1	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyrene	97	11	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
Pyridine	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
Pyridine	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
1,2,4-Trichlorobenzene	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
1,2,4-Trichlorobenzene	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,5-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,5-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL
2,4,6-Trichlorophenol	ND	2.1	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:27	BGL
2,4,6-Trichlorophenol	ND	21	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 14:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.3	30-130		9/6/17 22:27

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		71.8	30-130					9/7/17 14:15	
Phenol-d6		65.5	30-130					9/6/17 22:27	
Phenol-d6		72.2	30-130					9/7/17 14:15	
Nitrobenzene-d5		67.6	30-130					9/6/17 22:27	
Nitrobenzene-d5		86.8	30-130					9/7/17 14:15	
2-Fluorobiphenyl		45.1	30-130					9/6/17 22:27	
2-Fluorobiphenyl		53.6	30-130					9/7/17 14:15	
2,4,6-Tribromophenol		80.5	30-130					9/6/17 22:27	
2,4,6-Tribromophenol		89.8	30-130					9/7/17 14:15	
p-Terphenyl-d14		56.0	30-130					9/6/17 22:27	
p-Terphenyl-d14		59.2	30-130					9/7/17 14:15	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1221 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1232 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1242 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1248 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1254 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1260 [1]	9.8	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1262 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG
Aroclor-1268 [1]	ND	1.5	mg/Kg dry	50		SW-846 8082A	9/6/17	9/10/17 0:06	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:06
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:06
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:06

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	3800	770	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 19:50	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 19:50

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Arsenic	23	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Barium	330	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Beryllium	ND	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Cadmium	2.3	0.37	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Chromium	65	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Copper	3300	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Lead	290	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Mercury	27	3.9	mg/Kg dry	100		SW-846 7471B	8/30/17	9/6/17 13:23	TJK
Nickel	580	0.74	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Selenium	31	7.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:07	QNW
Silver	ND	0.74	mg/Kg dry	1	DL-04	SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Thallium	ND	3.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:29	QNW
Vanadium	740	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW
Zinc	1100	1.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:46	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-31 Sampled: 8/29/2017 10:30

Sample ID: 17H1544-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	64.7		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Acrylonitrile	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Benzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromodichloromethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromoform	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Bromomethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Butanone (MEK)	ND	2.3	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
sec-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
tert-Butylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Disulfide	ND	0.35	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Carbon Tetrachloride	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chlorodibromomethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroethane	0.31	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloroform	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Chloromethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Chlorotoluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dibromoethane (EDB)	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dibromomethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,4-Dichlorobenzene	6.0	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,4-Dichloro-2-butene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethane	0.15	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloroethane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,2-Dichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3-Dichloropropane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2,2-Dichloropropane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1-Dichloropropene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
cis-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
trans-1,3-Dichloropropene	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Ethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Hexachlorobutadiene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
2-Hexanone (MBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Isopropylbenzene (Cumene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Methylene Chloride	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
n-Propylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Styrene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1,2-Tetrachloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.059	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrachloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Tetrahydrofuran	ND	1.2	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Toluene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichlorobenzene	ND	0.59	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trichlorobenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,1-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloroethane	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichloroethylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Trichlorofluoromethane (Freon 11)	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,3-Trichloropropane	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,2,4-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
1,3,5-Trimethylbenzene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
Vinyl Chloride	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
m+p Xylene	ND	0.23	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH
o-Xylene	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 16:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		9/5/17 16:37
Toluene-d8	99.8	70-130		9/5/17 16:37
4-Bromofluorobenzene	96.0	70-130		9/5/17 16:37

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Acenaphthylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Aniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)anthracene	2.0	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(a)pyrene	1.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(b)fluoranthene	2.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(g,h,i)perylene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Benzo(k)fluoranthene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethoxy)methane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroethyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-chloroisopropyl)ether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Bis(2-Ethylhexyl)phthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Bromophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Butylbenzylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Carbazole	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloroaniline	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chloro-3-methylphenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chloronaphthalene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Chlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Chlorophenylphenylether	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Chrysene	2.5	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenz(a,h)anthracene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dibenzofuran	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-butylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3,3-Dichlorobenzidine	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Diethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dimethylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Dimethylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4,6-Dinitro-2-methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,6-Dinitrotoluene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Di-n-octylphthalate	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluoranthene	5.1	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Fluorene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorobutadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachlorocyclopentadiene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Hexachloroethane	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Indeno(1,2,3-cd)pyrene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Isophorone	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Methylnaphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3/4-Methylphenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Naphthalene	ND	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
3-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitroaniline	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Nitrobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2-Nitrophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
4-Nitrophenol	ND	4.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodiphenylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
N-Nitrosodi-n-propylamine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachloronitrobenzene	ND	2.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pentachlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenanthrene	2.6	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Phenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyrene	5.2	1.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
Pyridine	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
1,2,4-Trichlorobenzene	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,5-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL
2,4,6-Trichlorophenol	ND	2.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/6/17 22:51	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.8	30-130		9/6/17 22:51
Phenol-d6	60.3	30-130		9/6/17 22:51
Nitrobenzene-d5	69.4	30-130		9/6/17 22:51
2-Fluorobiphenyl	59.4	30-130		9/6/17 22:51
2,4,6-Tribromophenol	76.5	30-130		9/6/17 22:51
p-Terphenyl-d14	79.4	30-130		9/6/17 22:51

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1221 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1232 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1242 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1248 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1254 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1260 [1]	7.5	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1262 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG
Aroclor-1268 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 0:18	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 0:18
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 0:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 0:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	2100	890	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	9.9	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Arsenic	8.8	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Barium	98	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Beryllium	ND	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Cadmium	4.6	0.44	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Chromium	33	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Copper	530	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Lead	190	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Mercury	0.52	0.043	mg/Kg dry	1		SW-846 7471B	8/30/17	9/6/17 13:25	TJK
Nickel	47	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Selenium	ND	8.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:10	QNW
Silver	ND	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Thallium	ND	4.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Vanadium	160	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW
Zinc	610	1.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:52	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC3-SE-6 Sampled: 8/29/2017 10:45

Sample ID: 17H1544-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	56.0		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Acrylonitrile	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Disulfide	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.1	70-130		8/30/17 11:12
Toluene-d8	103	70-130		8/30/17 11:12
4-Bromofluorobenzene	100	70-130		8/30/17 11:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Acenaphthylene	4.2	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Acenaphthylene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Aniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Aniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Anthracene	29	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)anthracene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)anthracene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(a)pyrene	65	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(a)pyrene	68	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(b)fluoranthene	77	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(b)fluoranthene	84	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(g,h,i)perylene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(g,h,i)perylene	45	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Benzo(k)fluoranthene	30	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Benzo(k)fluoranthene	31	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethoxy)methane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethoxy)methane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroethyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroethyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-chloroisopropyl)ether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-chloroisopropyl)ether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Bis(2-Ethylhexyl)phthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Bromophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Bromophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Butylbenzylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Butylbenzylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Carbazole	16	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Carbazole	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloroaniline	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloroaniline	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chloro-3-methylphenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chloro-3-methylphenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chloronaphthalene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chloronaphthalene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Chlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Chlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Chlorophenylphenylether	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Chlorophenylphenylether	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Chrysene	76	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Chrysene	79	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	10	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenz(a,h)anthracene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dibenzofuran	6.6	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dibenzofuran	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-butylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-butylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3,3-Dichlorobenzidine	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3,3-Dichlorobenzidine	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Diethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Diethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dimethylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dimethylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Dimethylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Dimethylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4,6-Dinitro-2-methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4,6-Dinitro-2-methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,6-Dinitrotoluene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,6-Dinitrotoluene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Di-n-octylphthalate	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Di-n-octylphthalate	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluoranthene	180	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluoranthene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Fluorene	13	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Fluorene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorobutadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorobutadiene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachlorocyclopentadiene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachlorocyclopentadiene	ND	61	mg/Kg dry	80	V-05	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Hexachloroethane	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Hexachloroethane	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Indeno(1,2,3-cd)pyrene	42	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Indeno(1,2,3-cd)pyrene	46	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Isophorone	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Isophorone	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Methylnaphthalene	ND	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylnaphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3/4-Methylphenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3/4-Methylphenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Naphthalene	5.9	3.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Naphthalene	ND	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
3-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
3-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitroaniline	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitroaniline	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Nitrobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Nitrobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2-Nitrophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2-Nitrophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
4-Nitrophenol	ND	12	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
4-Nitrophenol	ND	120	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodiphenylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodiphenylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
N-Nitrosodi-n-propylamine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
N-Nitrosodi-n-propylamine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachloronitrobenzene	ND	6.1	mg/Kg dry	8	V-16	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachloronitrobenzene	ND	61	mg/Kg dry	80	V-16	SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pentachlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pentachlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenanthrene	140	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenanthrene	120	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Phenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Phenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyrene	150	3.1	mg/Kg dry	8	E	SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyrene	160	31	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
Pyridine	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
Pyridine	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4,5-Tetrachlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
1,2,4-Trichlorobenzene	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
1,2,4-Trichlorobenzene	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,5-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,5-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL
2,4,6-Trichlorophenol	ND	6.1	mg/Kg dry	8		SW-846 8270D	9/5/17	9/6/17 23:14	BGL
2,4,6-Trichlorophenol	ND	61	mg/Kg dry	80		SW-846 8270D	9/5/17	9/7/17 2:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.8	30-130		9/6/17 23:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		48.8	30-130					9/7/17 2:24	
Phenol-d6		37.6	30-130					9/6/17 23:14	
Phenol-d6		44.8	30-130					9/7/17 2:24	
Nitrobenzene-d5		45.4	30-130					9/6/17 23:14	
Nitrobenzene-d5		57.6	30-130					9/7/17 2:24	
2-Fluorobiphenyl		42.2	30-130					9/6/17 23:14	
2-Fluorobiphenyl		48.0	30-130					9/7/17 2:24	
2,4,6-Tribromophenol		50.5	30-130					9/6/17 23:14	
2,4,6-Tribromophenol		56.8	30-130					9/7/17 2:24	
p-Terphenyl-d14		55.8	30-130					9/6/17 23:14	
p-Terphenyl-d14		76.8	30-130					9/7/17 2:24	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1221 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1232 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1242 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1248 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1254 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1260 [1]	2300	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1262 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG
Aroclor-1268 [1]	ND	220	mg/Kg dry	10000		SW-846 8082A	9/6/17	9/10/17 9:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:08
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:08
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:08

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	6300	1100	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:25

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	21	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Arsenic	37	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Barium	120	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Beryllium	ND	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Cadmium	2.3	0.28	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Chromium	51	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Copper	290	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Lead	230	0.84	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Mercury	0.12	0.028	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:39	TJK
Nickel	87	0.56	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:35	QNW
Silver	ND	2.8	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:49	QNW
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:37	QNW
Vanadium	280	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW
Zinc	380	1.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 19:58	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-16 Sampled: 8/29/2017 12:00

Sample ID: 17H1544-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 12:08
Toluene-d8	104	70-130		8/30/17 12:08
4-Bromofluorobenzene	101	70-130		8/30/17 12:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	57	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthene	74	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Acenaphthylene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Acenaphthylene	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Aniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Aniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Anthracene	70	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Anthracene	88	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)anthracene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)anthracene	230	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(a)pyrene	200	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(a)pyrene	240	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(b)fluoranthene	220	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(b)fluoranthene	280	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(g,h,i)perylene	130	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(g,h,i)perylene	130	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Benzo(k)fluoranthene	91	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Benzo(k)fluoranthene	92	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethoxy)methane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethoxy)methane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroethyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroethyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-chloroisopropyl)ether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-chloroisopropyl)ether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Bis(2-Ethylhexyl)phthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Bromophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Bromophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Butylbenzylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Butylbenzylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Carbazole	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Carbazole	43	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloroaniline	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloroaniline	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chloro-3-methylphenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chloro-3-methylphenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chloronaphthalene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chloronaphthalene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Chlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Chlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Chlorophenylphenylether	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Chlorophenylphenylether	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Chrysene	210	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Chrysene	220	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenz(a,h)anthracene	34	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dibenzofuran	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dibenzofuran	22	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-butylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-butylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3,3-Dichlorobenzidine	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3,3-Dichlorobenzidine	ND	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Diethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Diethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dimethylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dimethylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Dimethylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Dimethylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4,6-Dinitro-2-methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4,6-Dinitro-2-methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,6-Dinitrotoluene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,6-Dinitrotoluene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Di-n-octylphthalate	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Di-n-octylphthalate	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluoranthene	460	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluoranthene	440	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Fluorene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Fluorene	39	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorobutadiene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorobutadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachlorocyclopentadiene	ND	80	mg/Kg dry	100	V-05	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachlorocyclopentadiene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Hexachloroethane	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Hexachloroethane	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Indeno(1,2,3-cd)pyrene	140	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Indeno(1,2,3-cd)pyrene	150	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Isophorone	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Isophorone	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Methylnaphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylnaphthalene	12	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3/4-Methylphenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3/4-Methylphenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Naphthalene	ND	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Naphthalene	28	2.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
3-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
3-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitroaniline	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitroaniline	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Nitrobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Nitrobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2-Nitrophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2-Nitrophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
4-Nitrophenol	ND	160	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
4-Nitrophenol	ND	7.8	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodiphenylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodiphenylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
N-Nitrosodi-n-propylamine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
N-Nitrosodi-n-propylamine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachloronitrobenzene	ND	80	mg/Kg dry	100	V-16	SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachloronitrobenzene	ND	4.0	mg/Kg dry	5	V-16	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pentachlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pentachlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenanthrene	350	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenanthrene	330	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Phenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Phenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyrene	390	40	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyrene	480	2.0	mg/Kg dry	5	E	SW-846 8270D	9/5/17	9/6/17 23:38	BGL
Pyridine	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
Pyridine	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4,5-Tetrachlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
1,2,4-Trichlorobenzene	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
1,2,4-Trichlorobenzene	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,5-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,5-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL
2,4,6-Trichlorophenol	ND	80	mg/Kg dry	100		SW-846 8270D	9/5/17	9/7/17 13:16	BGL
2,4,6-Trichlorophenol	ND	4.0	mg/Kg dry	5		SW-846 8270D	9/5/17	9/6/17 23:38	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 13:16

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**		**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		56.3		30-130					9/6/17 23:38	
Phenol-d6			*	30-130		S-01			9/7/17 13:16	
Phenol-d6		58.0		30-130					9/6/17 23:38	
Nitrobenzene-d5			*	30-130		S-01			9/7/17 13:16	
Nitrobenzene-d5		66.9		30-130					9/6/17 23:38	
2-Fluorobiphenyl			*	30-130		S-01			9/7/17 13:16	
2-Fluorobiphenyl		63.4		30-130					9/6/17 23:38	
2,4,6-Tribromophenol			*	30-130		S-01			9/7/17 13:16	
2,4,6-Tribromophenol		72.8		30-130					9/6/17 23:38	
p-Terphenyl-d14			*	30-130		S-01			9/7/17 13:16	
p-Terphenyl-d14		85.1		30-130					9/6/17 23:38	

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Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1254 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1260 [1]	14	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	9/6/17	9/10/17 1:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 1:21
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 1:21
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 1:21

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	7400	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 20:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 20:43

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Arsenic	25	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Barium	130	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Cadmium	3.4	0.29	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Chromium	97	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Copper	570	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Lead	1800	0.88	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Mercury	0.35	0.029	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:41	TJK
Nickel	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:38	QNW
Silver	ND	2.9	mg/Kg dry	5	DL-04	SW-846 6010C-D	9/5/17	9/7/17 18:54	QNW
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:54	QNW
Vanadium	2000	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW
Zinc	1100	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:04	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-17 Sampled: 8/29/2017 12:15

Sample ID: 17H1544-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Bromomethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chlorodibromomethane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Chloromethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dibromoethane (EDB)	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3-Dichloropropane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
cis-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
trans-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Tetrahydrofuran	ND	0.0091	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
Vinyl Chloride	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 11:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		8/30/17 11:40
Toluene-d8	105	70-130		8/30/17 11:40
4-Bromofluorobenzene	102	70-130		8/30/17 11:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	4.2	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthene	4.1	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Acenaphthylene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Acenaphthylene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Aniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Aniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Anthracene	6.6	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Anthracene	6.7	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)anthracene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)anthracene	31	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(a)pyrene	31	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(a)pyrene	33	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(b)fluoranthene	37	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(b)fluoranthene	39	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(g,h,i)perylene	20	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(g,h,i)perylene	21	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Benzo(k)fluoranthene	15	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Benzo(k)fluoranthene	13	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethoxy)methane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethoxy)methane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroethyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroethyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-chloroisopropyl)ether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-chloroisopropyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Bis(2-Ethylhexyl)phthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Bromophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Bromophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Butylbenzylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Butylbenzylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Carbazole	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Carbazole	3.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloroaniline	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloroaniline	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chloro-3-methylphenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chloro-3-methylphenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chloronaphthalene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chloronaphthalene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Chlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Chlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Chlorophenylphenylether	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Chlorophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Chrysene	32	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Chrysene	32	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	5.1	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenz(a,h)anthracene	4.8	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dibenzofuran	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dibenzofuran	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-butylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-butylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3,3-Dichlorobenzidine	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3,3-Dichlorobenzidine	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Diethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Diethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dimethylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dimethylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Dimethylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Dimethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4,6-Dinitro-2-methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4,6-Dinitro-2-methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,6-Dinitrotoluene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,6-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Di-n-octylphthalate	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Di-n-octylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluoranthene	62	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluoranthene	68	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Fluorene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Fluorene	2.6	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorobutadiene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorobutadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachlorocyclopentadiene	ND	8.2	mg/Kg dry	20	V-05	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Hexachloroethane	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Hexachloroethane	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Indeno(1,2,3-cd)pyrene	21	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Indeno(1,2,3-cd)pyrene	23	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Isophorone	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Isophorone	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Methylnaphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylnaphthalene	ND	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3/4-Methylphenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3/4-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Naphthalene	ND	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Naphthalene	1.3	0.82	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
3-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
3-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitroaniline	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Nitrobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Nitrobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2-Nitrophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2-Nitrophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
4-Nitrophenol	ND	16	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
4-Nitrophenol	ND	3.2	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodiphenylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodiphenylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
N-Nitrosodi-n-propylamine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
N-Nitrosodi-n-propylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachloronitrobenzene	ND	8.2	mg/Kg dry	20	V-16	SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachloronitrobenzene	ND	1.6	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pentachlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pentachlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenanthrene	33	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenanthrene	38	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Phenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Phenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyrene	51	4.1	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyrene	73	0.82	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:02	BGL
Pyridine	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
Pyridine	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4,5-Tetrachlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
1,2,4-Trichlorobenzene	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
1,2,4-Trichlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,5-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,5-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL
2,4,6-Trichlorophenol	ND	8.2	mg/Kg dry	20		SW-846 8270D	9/5/17	9/7/17 14:45	BGL
2,4,6-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.3	30-130		9/7/17 14:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag/Qual**				
2-Fluorophenol		50.3	30-130					9/7/17 0:02	
Phenol-d6		52.5	30-130					9/7/17 14:45	
Phenol-d6		51.9	30-130					9/7/17 0:02	
Nitrobenzene-d5		59.8	30-130					9/7/17 14:45	
Nitrobenzene-d5		58.2	30-130					9/7/17 0:02	
2-Fluorobiphenyl		55.0	30-130					9/7/17 14:45	
2-Fluorobiphenyl		52.0	30-130					9/7/17 0:02	
2,4,6-Tribromophenol		64.4	30-130					9/7/17 14:45	
2,4,6-Tribromophenol		66.6	30-130					9/7/17 0:02	
p-Terphenyl-d14		57.8	30-130					9/7/17 14:45	
p-Terphenyl-d14		68.9	30-130					9/7/17 0:02	

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1221 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1232 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1242 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1248 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1254 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1260 [1]	5.7	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1262 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG
Aroclor-1268 [1]	ND	0.93	mg/Kg dry	40		SW-846 8082A	9/6/17	9/10/17 9:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/10/17 9:26
Decachlorobiphenyl [2]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/10/17 9:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/10/17 9:26

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	4000	1200	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:01	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:01

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	10	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Arsenic	18	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Barium	140	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Cadmium	2.9	0.30	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Chromium	47	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Copper	210	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Lead	470	0.89	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Mercury	0.35	0.030	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:42	TJK
Nickel	240	0.59	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:42	QNW
Silver	ND	1.2	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/7/17 19:12	QNW
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 15:57	QNW
Vanadium	1700	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW
Zinc	980	1.2	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:10	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: AS-AOC8-SE-18 Sampled: 8/29/2017 12:30

Sample ID: 17H1544-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Bromomethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chlorodibromomethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Chloromethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dibromoethane (EDB)	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3-Dichloropropane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
cis-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
trans-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Tetrahydrofuran	ND	0.0098	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
Vinyl Chloride	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 12:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		8/30/17 12:36
Toluene-d8	104	70-130		8/30/17 12:36
4-Bromofluorobenzene	104	70-130		8/30/17 12:36

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthene	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthene	21	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Acenaphthylene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Acenaphthylene	2.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Acenaphthylene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Aniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Aniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Aniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Anthracene	36	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Anthracene	41	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Anthracene	37	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)anthracene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)anthracene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)anthracene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(a)pyrene	93	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(a)pyrene	110	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(a)pyrene	98	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(b)fluoranthene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(b)fluoranthene	150	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(b)fluoranthene	120	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(g,h,i)perylene	45	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(g,h,i)perylene	52	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(g,h,i)perylene	46	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Benzo(k)fluoranthene	44	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Benzo(k)fluoranthene	38	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Benzo(k)fluoranthene	45	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethoxy)methane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethoxy)methane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethoxy)methane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroethyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroethyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroethyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-chloroisopropyl)ether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-chloroisopropyl)ether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-chloroisopropyl)ether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Bromophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Bromophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Bromophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Butylbenzylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Butylbenzylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Butylbenzylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Carbazole	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Carbazole	24	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Carbazole	23	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloroaniline	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloroaniline	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloroaniline	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chloro-3-methylphenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chloro-3-methylphenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chloro-3-methylphenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chloronaphthalene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chloronaphthalene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chloronaphthalene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Chlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Chlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Chlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Chlorophenylphenylether	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Chlorophenylphenylether	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Chlorophenylphenylether	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Chrysene	110	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Chrysene	100	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Chrysene	110	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenz(a,h)anthracene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenz(a,h)anthracene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenz(a,h)anthracene	13	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dibenzofuran	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Dibenzofuran	8.8	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dibenzofuran	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-butylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-butylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-butylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3,3-Dichlorobenzidine	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3,3-Dichlorobenzidine	ND	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3,3-Dichlorobenzidine	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Diethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Diethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Diethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dimethylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dimethylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dimethylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Dimethylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Dimethylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Dimethylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4,6-Dinitro-2-methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4,6-Dinitro-2-methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4,6-Dinitro-2-methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,6-Dinitrotoluene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,6-Dinitrotoluene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,6-Dinitrotoluene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Di-n-octylphthalate	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Di-n-octylphthalate	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Di-n-octylphthalate	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluoranthene	250	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluoranthene	170	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluoranthene	300	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Fluorene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Fluorene	17	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Fluorene	15	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorobutadiene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorobutadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorobutadiene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachlorocyclopentadiene	ND	72	mg/Kg dry	200	V-05	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachlorocyclopentadiene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachlorocyclopentadiene	ND	14	mg/Kg dry	40	V-05	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Hexachloroethane	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Hexachloroethane	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Hexachloroethane	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Indeno(1,2,3-cd)pyrene	51	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Indeno(1,2,3-cd)pyrene	65	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Indeno(1,2,3-cd)pyrene	54	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Isophorone	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Isophorone	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Isophorone	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Methylnaphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylnaphthalene	2.5	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylnaphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3/4-Methylphenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3/4-Methylphenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3/4-Methylphenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Naphthalene	ND	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Naphthalene	5.0	0.72	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Naphthalene	ND	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
3-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
3-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
3-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitroaniline	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitroaniline	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitroaniline	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Nitrobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Nitrobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Nitrobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2-Nitrophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2-Nitrophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2-Nitrophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
4-Nitrophenol	ND	140	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
4-Nitrophenol	ND	2.8	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
4-Nitrophenol	ND	28	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodiphenylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodiphenylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodiphenylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
N-Nitrosodi-n-propylamine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
N-Nitrosodi-n-propylamine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
N-Nitrosodi-n-propylamine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachloronitrobenzene	ND	72	mg/Kg dry	200	V-16	SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachloronitrobenzene	ND	1.4	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachloronitrobenzene	ND	14	mg/Kg dry	40	V-16	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pentachlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pentachlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pentachlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenanthrene	190	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Phenanthrene	130	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenanthrene	220	7.2	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Phenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Phenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Phenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyrene	200	36	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyrene	190	0.72	mg/Kg dry	4	E	SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyrene	220	7.2	mg/Kg dry	40	E	SW-846 8270D	9/5/17	9/7/17 15:14	BGL
Pyridine	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
Pyridine	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
Pyridine	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
1,2,4-Trichlorobenzene	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
1,2,4-Trichlorobenzene	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
1,2,4-Trichlorobenzene	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,5-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,5-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,5-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL
2,4,6-Trichlorophenol	ND	72	mg/Kg dry	200		SW-846 8270D	9/5/17	9/7/17 15:44	BGL
2,4,6-Trichlorophenol	ND	1.4	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 0:25	BGL
2,4,6-Trichlorophenol	ND	14	mg/Kg dry	40		SW-846 8270D	9/5/17	9/7/17 15:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	*	30-130	S-01	9/7/17 15:44
2-Fluorophenol	56.3	30-130		9/7/17 0:25
2-Fluorophenol	58.6	30-130		9/7/17 15:14
Phenol-d6	*	30-130	S-01	9/7/17 15:44
Phenol-d6	57.2	30-130		9/7/17 0:25
Phenol-d6	56.2	30-130		9/7/17 15:14
Nitrobenzene-d5	*	30-130	S-01	9/7/17 15:44
Nitrobenzene-d5	60.8	30-130		9/7/17 0:25
Nitrobenzene-d5	64.4	30-130		9/7/17 15:14
2-Fluorobiphenyl	*	30-130	S-01	9/7/17 15:44
2-Fluorobiphenyl	58.2	30-130		9/7/17 0:25
2-Fluorobiphenyl	59.2	30-130		9/7/17 15:14
2,4,6-Tribromophenol	*	30-130	S-01	9/7/17 15:44
2,4,6-Tribromophenol	74.5	30-130		9/7/17 0:25
2,4,6-Tribromophenol	67.4	30-130		9/7/17 15:14
p-Terphenyl-d14	*	30-130	S-01	9/7/17 15:44
p-Terphenyl-d14	77.1	30-130		9/7/17 0:25
p-Terphenyl-d14	70.4	30-130		9/7/17 15:14

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1260 [1]	1.5	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	10		SW-846 8082A	9/6/17	9/10/17 1:46	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	40.9	30-150		9/10/17 1:46
Decachlorobiphenyl [2]	130	30-150		9/10/17 1:46
Tetrachloro-m-xylene [1]	39.8	30-150		9/10/17 1:46
Tetrachloro-m-xylene [2]	44.8	30-150		9/10/17 1:46

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	31	11	mg/Kg dry	1		CTDEP ETPH	9/5/17	9/8/17 2:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	84.9	50-150		9/8/17 2:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	20	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Arsenic	19	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Barium	150	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Beryllium	ND	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Cadmium	2.4	0.25	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Chromium	80	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Copper	450	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Lead	870	0.76	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Mercury	0.11	0.026	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:44	TJK
Nickel	120	0.51	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:50	QNW
Silver	ND	1.0	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:02	QNW
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:05	QNW
Vanadium	470	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW
Zinc	1500	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:43	QNW

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-19 Sampled: 8/29/2017 12:45

Sample ID: 17H1544-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.9		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	4.8	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Acrylonitrile	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Benzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromodichloromethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromoform	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Bromomethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Butanone (MEK)	ND	1.9	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Butylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
sec-Butylbenzene	0.13	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
tert-Butylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Disulfide	ND	0.29	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Carbon Tetrachloride	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chlorodibromomethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloroform	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Chloromethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Chlorotoluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dibromoethane (EDB)	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dibromomethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,4-Dichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,4-Dichloro-2-butene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloroethane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,2-Dichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3-Dichloropropane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2,2-Dichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1-Dichloropropene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
cis-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
trans-1,3-Dichloropropene	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Ethylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Hexachlorobutadiene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
2-Hexanone (MBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Isopropylbenzene (Cumene)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
p-Isopropyltoluene (p-Cymene)	0.11	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Methylene Chloride	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Naphthalene	0.73	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
n-Propylbenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Styrene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1,2-Tetrachloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2,2-Tetrachloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrachloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Tetrahydrofuran	ND	0.96	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Toluene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trichlorobenzene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,1-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichloroethylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Trichlorofluoromethane (Freon 11)	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,3-Trichloropropane	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,2,4-Trimethylbenzene	0.44	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
1,3,5-Trimethylbenzene	0.15	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
Vinyl Chloride	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
m+p Xylene	ND	0.19	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH
o-Xylene	ND	0.096	mg/Kg dry	1		SW-846 8260C	8/30/17	9/5/17 17:08	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	119	70-130		9/5/17 17:08
Toluene-d8	104	70-130		9/5/17 17:08
4-Bromofluorobenzene	96.0	70-130		9/5/17 17:08

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Acenaphthylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Aniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(a)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(b)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(g,h,i)perylene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Benzo(k)fluoranthene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethoxy)methane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroethyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Bromophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Butylbenzylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Carbazole	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloroaniline	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chloro-3-methylphenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chloronaphthalene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Chlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Chlorophenylphenylether	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Chrysene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenz(a,h)anthracene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dibenzofuran	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-butylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3,3-Dichlorobenzidine	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Diethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dimethylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Dimethylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,6-Dinitrotoluene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Di-n-octylphthalate	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluoranthene	5.0	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Fluorene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorobutadiene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachlorocyclopentadiene	ND	9.8	mg/Kg dry	10	V-05	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Hexachloroethane	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Isophorone	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Methylnaphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3/4-Methylphenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Naphthalene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
3-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitroaniline	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Nitrobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2-Nitrophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
4-Nitrophenol	ND	19	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodiphenylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
N-Nitrosodi-n-propylamine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachloronitrobenzene	ND	9.8	mg/Kg dry	10	V-16	SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pentachlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenanthrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Phenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyrene	ND	4.9	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
Pyridine	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
1,2,4-Trichlorobenzene	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,5-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL
2,4,6-Trichlorophenol	ND	9.8	mg/Kg dry	10		SW-846 8270D	9/5/17	9/7/17 20:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	61.7	30-130		9/7/17 20:30
Phenol-d6	65.3	30-130		9/7/17 20:30
Nitrobenzene-d5	75.0	30-130		9/7/17 20:30
2-Fluorobiphenyl	66.0	30-130		9/7/17 20:30
2,4,6-Tribromophenol	87.7	30-130		9/7/17 20:30
p-Terphenyl-d14	70.0	30-130		9/7/17 20:30

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1260 [1]	0.32	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG
Aroclor-1268 [1]	0.14	0.11	mg/Kg dry	4		SW-846 8082A	9/6/17	9/10/17 1:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	51.6	30-150		9/10/17 1:59
Decachlorobiphenyl [2]	58.7	30-150		9/10/17 1:59
Tetrachloro-m-xylene [1]	58.3	30-150		9/10/17 1:59
Tetrachloro-m-xylene [2]	63.7	30-150		9/10/17 1:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1600	1400	mg/Kg dry	50		CTDEP ETPH	9/5/17	9/7/17 21:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:18

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.8	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Arsenic	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Barium	210	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Beryllium	ND	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Cadmium	2.0	0.34	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Chromium	32	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Copper	220	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Lead	460	1.0	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Mercury	0.098	0.036	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:46	TJK
Nickel	31	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Selenium	ND	6.7	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:54	QNW
Silver	ND	0.67	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Thallium	ND	3.4	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Vanadium	98	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW
Zinc	950	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:49	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-SE-24 Sampled: 8/29/2017 13:00

Sample ID: 17H1544-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.5		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-26 Sampled: 8/29/2017 09:10

Sample ID: 17H1544-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1260 [2]	1.1	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 0:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/9/17 0:59
Decachlorobiphenyl [2]	117	30-150		9/9/17 0:59
Tetrachloro-m-xylene [1]	90.2	30-150		9/9/17 0:59
Tetrachloro-m-xylene [2]	97.3	30-150		9/9/17 0:59

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-27 Sampled: 8/29/2017 09:40

Sample ID: 17H1544-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1260 [2]	0.93	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 1:17	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		9/9/17 1:17
Decachlorobiphenyl [2]	119	30-150		9/9/17 1:17
Tetrachloro-m-xylene [1]	91.3	30-150		9/9/17 1:17
Tetrachloro-m-xylene [2]	98.4	30-150		9/9/17 1:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-CO-29 Sampled: 8/29/2017 10:05

Sample ID: 17H1544-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1254 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1260 [2]	2.9	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 21:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		9/9/17 21:40
Decachlorobiphenyl [2]	118	30-150		9/9/17 21:40
Tetrachloro-m-xylene [1]	97.4	30-150		9/9/17 21:40
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 21:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-16 Sampled: 8/29/2017 12:05

Sample ID: 17H1544-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1221 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1232 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1242 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1248 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1254 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1260 [2]	1800	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1262 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG
Aroclor-1268 [1]	ND	190	mg/Kg	2000		SW-846 8082A	9/6/17	9/9/17 22:15	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	9/9/17 22:15
Decachlorobiphenyl [2]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/9/17 22:15
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/9/17 22:15

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-17 Sampled: 8/29/2017 12:20

Sample ID: 17H1544-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1260 [1]	1.9	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	132	30-150		9/9/17 22:33
Decachlorobiphenyl [2]	145	30-150		9/9/17 22:33
Tetrachloro-m-xylene [1]	117	30-150		9/9/17 22:33
Tetrachloro-m-xylene [2]	121	30-150		9/9/17 22:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-18 Sampled: 8/29/2017 12:35

Sample ID: 17H1544-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1254 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1260 [1]	2.0	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/6/17	9/9/17 22:51	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.2	30-150		9/9/17 22:51
Decachlorobiphenyl [2]	72.2	30-150		9/9/17 22:51
Tetrachloro-m-xylene [1]	62.8	30-150		9/9/17 22:51
Tetrachloro-m-xylene [2]	64.1	30-150		9/9/17 22:51

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Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC8-CO-19 Sampled: 8/29/2017 12:50

Sample ID: 17H1544-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1260 [2]	0.79	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	9/6/17	9/9/17 23:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		9/9/17 23:09
Decachlorobiphenyl [2]	130	30-150		9/9/17 23:09
Tetrachloro-m-xylene [1]	93.0	30-150		9/9/17 23:09
Tetrachloro-m-xylene [2]	101	30-150		9/9/17 23:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/30/17	8/30/17 10:44	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	103	70-130		8/30/17 10:44
Toluene-d8	106	70-130		8/30/17 10:44
4-Bromofluorobenzene	102	70-130		8/30/17 10:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Acenaphthylene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Aniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)anthracene	1.4	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(a)pyrene	1.5	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(b)fluoranthene	1.9	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(g,h,i)perylene	0.90	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Benzo(k)fluoranthene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethoxy)methane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-chloroisopropyl)ether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Bromophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Butylbenzylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Carbazole	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloroaniline	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chloro-3-methylphenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chloronaphthalene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Chlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Chlorophenylphenylether	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Chrysene	1.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenz(a,h)anthracene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dibenzofuran	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-butylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3,3-Dichlorobenzidine	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Diethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dimethylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Dimethylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4,6-Dinitro-2-methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,6-Dinitrotoluene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Di-n-octylphthalate	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluoranthene	2.3	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Fluorene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorobutadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachlorocyclopentadiene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Hexachloroethane	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Indeno(1,2,3-cd)pyrene	0.95	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Isophorone	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Methylnaphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3/4-Methylphenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Naphthalene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
3-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitroaniline	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Nitrobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2-Nitrophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
4-Nitrophenol	ND	3.3	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodiphenylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
N-Nitrosodi-n-propylamine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachloronitrobenzene	ND	1.7	mg/Kg dry	4	V-16	SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pentachlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenanthrene	ND	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Phenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyrene	2.6	0.85	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
Pyridine	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4,5-Tetrachlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,5-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL
2,4,6-Trichlorophenol	ND	1.7	mg/Kg dry	4		SW-846 8270D	9/5/17	9/7/17 1:13	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	64.0	30-130		9/7/17 1:13
Phenol-d6	69.6	30-130		9/7/17 1:13
Nitrobenzene-d5	76.4	30-130		9/7/17 1:13
2-Fluorobiphenyl	63.6	30-130		9/7/17 1:13
2,4,6-Tribromophenol	89.5	30-130		9/7/17 1:13
p-Terphenyl-d14	83.2	30-130		9/7/17 1:13

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1221 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1232 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1242 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1248 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1254 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1260 [1]	1.6	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1262 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG
Aroclor-1268 [1]	ND	0.20	mg/Kg dry	8		SW-846 8082A	9/6/17	9/10/17 2:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.2	30-150		9/10/17 2:12
Decachlorobiphenyl [2]	83.6	30-150		9/10/17 2:12
Tetrachloro-m-xylene [1]	85.0	30-150		9/10/17 2:12
Tetrachloro-m-xylene [2]	90.9	30-150		9/10/17 2:12

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	560	250	mg/Kg dry	20		CTDEP ETPH	9/5/17	9/7/17 21:36	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
o-Terphenyl	*	50-150	S-01	9/7/17 21:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	18	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Arsenic	16	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Barium	70	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Cadmium	1.4	0.31	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Chromium	91	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Copper	410	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Lead	180	0.94	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Mercury	0.21	0.031	mg/Kg dry	1		SW-846 7471B	8/30/17	9/5/17 14:47	TJK
Nickel	150	0.63	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/7/17 17:57	QNW
Silver	ND	1.3	mg/Kg dry	2	DL-04	SW-846 6010C-D	9/5/17	9/11/17 16:09	QNW
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/11/17 16:14	QNW
Vanadium	470	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW
Zinc	330	1.3	mg/Kg dry	1		SW-846 6010C-D	9/5/17	9/6/17 20:55	QNW

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 510 Grand Ave., New Haven, CT Sample Description: Work Order: 17H1544

Date Received: 8/29/2017

Field Sample #: WS-AOC13-SE-Dup1 Sampled: 8/29/2017 00:00

Sample ID: 17H1544-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.2		% Wt	1		SM 2540G	8/31/17	9/1/17 8:37	MRL

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185490	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185490	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185490	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185490	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185490	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185490	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185490	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185490	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185490	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185490	30.0	2.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185490	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185490	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185490	30.0	1.00	09/05/17

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17H1544-01 [WS-AOC13-SE-26]	B185325	08/31/17
17H1544-02 [WS-AOC13-SE-27]	B185325	08/31/17
17H1544-03 [WS-AOC13-SE-28]	B185325	08/31/17
17H1544-04 [WS-AOC13-SE-29]	B185325	08/31/17
17H1544-05 [WS-AOC13-SE-30]	B185325	08/31/17
17H1544-06 [WS-AOC13-SE-31]	B185325	08/31/17
17H1544-07 [WS-AOC3-SE-6]	B185325	08/31/17
17H1544-08 [WS-AOC8-SE-16]	B185325	08/31/17
17H1544-09 [WS-AOC8-SE-17]	B185325	08/31/17
17H1544-10 [AS-AOC8-SE-18]	B185325	08/31/17
17H1544-11 [WS-AOC8-SE-19]	B185325	08/31/17
17H1544-12 [WS-AOC8-SE-24]	B185325	08/31/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185325	08/31/17

Prep Method: SW-846 3050B-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185527	1.04	50.0	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185527	1.02	50.0	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185527	1.00	50.0	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185527	1.05	50.0	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185527	1.08	50.0	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185527	1.04	50.0	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185527	1.02	50.0	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185527	1.01	50.0	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185527	1.00	50.0	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185527	1.01	50.0	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185527	1.04	50.0	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185527	1.07	50.0	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185527	0.996	50.0	09/05/17

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185230	0.606	50.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185230	0.591	50.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185230	0.620	50.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185230	0.625	50.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185230	0.598	50.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185230	0.593	50.0	08/30/17
17H1544-07 [WS-AOC3-SE-6]	B185230	0.625	50.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185230	0.603	50.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185230	0.604	50.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185230	0.605	50.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185230	0.602	50.0	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185230	0.599	50.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185230	0.605	50.0	08/30/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-13 [WS-AOC13-CO-26]	B185577	2.01	10.0	09/06/17
17H1544-14 [WS-AOC13-CO-27]	B185577	2.05	10.0	09/06/17
17H1544-15 [WS-AOC13-CO-29]	B185577	2.23	10.0	09/06/17
17H1544-16 [WS-AOC8-CO-16]	B185577	2.07	10.0	09/06/17
17H1544-17 [WS-AOC8-CO-17]	B185577	2.09	10.0	09/06/17
17H1544-18 [WS-AOC8-CO-18]	B185577	2.08	10.0	09/06/17
17H1544-19 [WS-AOC8-CO-19]	B185577	2.07	10.0	09/06/17

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185576	10.0	10.0	09/06/17
17H1544-02 [WS-AOC13-SE-27]	B185576	10.3	10.0	09/06/17
17H1544-03 [WS-AOC13-SE-28]	B185576	10.1	10.0	09/06/17
17H1544-04 [WS-AOC13-SE-29]	B185576	10.0	10.0	09/06/17
17H1544-05 [WS-AOC13-SE-30]	B185576	10.0	10.0	09/06/17
17H1544-06 [WS-AOC13-SE-31]	B185576	10.2	10.0	09/06/17
17H1544-07 [WS-AOC3-SE-6]	B185576	10.1	10.0	09/06/17
17H1544-08 [WS-AOC8-SE-16]	B185576	10.2	10.0	09/06/17
17H1544-09 [WS-AOC8-SE-17]	B185576	10.2	10.0	09/06/17
17H1544-10 [AS-AOC8-SE-18]	B185576	10.3	10.0	09/06/17
17H1544-11 [WS-AOC8-SE-19]	B185576	10.0	10.0	09/06/17
17H1544-12 [WS-AOC8-SE-24]	B185576	10.2	10.0	09/06/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185576	10.1	10.0	09/06/17

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
17H1544-07 [WS-AOC3-SE-6]	B185016	5.72	7.52	1	50	08/30/17
17H1544-12 [WS-AOC8-SE-24]	B185016	4.88	6.49	1	50	08/30/17

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Sample Extraction Data

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185200	6.54	10.0	08/30/17
17H1544-02 [WS-AOC13-SE-27]	B185200	5.46	10.0	08/30/17
17H1544-03 [WS-AOC13-SE-28]	B185200	6.98	10.0	08/30/17
17H1544-04 [WS-AOC13-SE-29]	B185200	7.23	10.0	08/30/17
17H1544-05 [WS-AOC13-SE-30]	B185200	5.99	10.0	08/30/17
17H1544-06 [WS-AOC13-SE-31]	B185200	7.12	10.0	08/30/17
17H1544-08 [WS-AOC8-SE-16]	B185200	5.56	10.0	08/30/17
17H1544-09 [WS-AOC8-SE-17]	B185200	5.73	10.0	08/30/17
17H1544-10 [AS-AOC8-SE-18]	B185200	6.60	10.0	08/30/17
17H1544-11 [WS-AOC8-SE-19]	B185200	5.36	10.0	08/30/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185200	6.80	10.0	08/30/17

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17H1544-01 [WS-AOC13-SE-26]	B185495	30.0	1.00	09/05/17
17H1544-02 [WS-AOC13-SE-27]	B185495	30.0	1.00	09/05/17
17H1544-03 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-03RE1 [WS-AOC13-SE-28]	B185495	30.0	1.00	09/05/17
17H1544-04 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-04RE1 [WS-AOC13-SE-29]	B185495	30.0	1.00	09/05/17
17H1544-05 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-05RE1 [WS-AOC13-SE-30]	B185495	30.0	1.00	09/05/17
17H1544-06 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-06RE1 [WS-AOC13-SE-31]	B185495	30.0	1.00	09/05/17
17H1544-07 [WS-AOC3-SE-6]	B185495	30.0	1.00	09/05/17
17H1544-08 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-08RE1 [WS-AOC8-SE-16]	B185495	30.0	2.00	09/05/17
17H1544-09 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-09RE1 [WS-AOC8-SE-17]	B185495	30.0	2.00	09/05/17
17H1544-10 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-10RE1 [AS-AOC8-SE-18]	B185495	30.0	1.00	09/05/17
17H1544-11 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE1 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-11RE2 [WS-AOC8-SE-19]	B185495	30.0	1.00	09/05/17
17H1544-12 [WS-AOC8-SE-24]	B185495	30.0	2.00	09/05/17
17H1544-20 [WS-AOC13-SE-Dup1]	B185495	30.0	1.00	09/05/17

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17						
Acetone	ND	2.5	mg/Kg wet							
Acrylonitrile	ND	0.25	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromodichloromethane	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
Carbon Disulfide	ND	0.15	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
n-Propylbenzene	ND	0.050	mg/Kg wet							
Styrene	ND	0.050	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035											
Blank (B185016-BLK1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Tetrachloroethylene	ND	0.050	mg/Kg wet								
Tetrahydrofuran	ND	0.50	mg/Kg wet								
Toluene	ND	0.050	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet								
Trichloroethylene	ND	0.050	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.050	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet								
Vinyl Chloride	ND	0.10	mg/Kg wet								
m+p Xylene	ND	0.10	mg/Kg wet								
o-Xylene	ND	0.050	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0275*		mg/Kg wet	0.0250		110		70-130			
Surrogate: Toluene-d8	*0.0253*		mg/Kg wet	0.0250		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0231*		mg/Kg wet	0.0250		92.4		70-130			
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17							
Acetone	0.125	0.057	mg/Kg wet	0.113		110		70-130			
Acrylonitrile	0.0123	0.0057	mg/Kg wet	0.0113		109		70-130			
Benzene	0.0126	0.0011	mg/Kg wet	0.0113		111		70-130			
Bromobenzene	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromodichloromethane	0.0128	0.0011	mg/Kg wet	0.0113		113		70-130			
Bromoform	0.0117	0.0011	mg/Kg wet	0.0113		104		70-130			
Bromomethane	0.0147	0.0023	mg/Kg wet	0.0113		129		70-130			
2-Butanone (MEK)	0.139	0.023	mg/Kg wet	0.113		123		70-130			
n-Butylbenzene	0.0142	0.0011	mg/Kg wet	0.0113		125		70-130			
sec-Butylbenzene	0.0133	0.0011	mg/Kg wet	0.0113		118		70-130			
tert-Butylbenzene	0.0132	0.0011	mg/Kg wet	0.0113		117		70-130			
Carbon Disulfide	0.140	0.0034	mg/Kg wet	0.113		124		70-130			
Carbon Tetrachloride	0.0131	0.0011	mg/Kg wet	0.0113		116		70-130			
Chlorobenzene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
Chlorodibromomethane	0.0137	0.00057	mg/Kg wet	0.0113		121		70-130			
Chloroethane	0.0130	0.0023	mg/Kg wet	0.0113		115		70-130			
Chloroform	0.0124	0.0023	mg/Kg wet	0.0113		109		70-130			
Chloromethane	0.0159	0.0023	mg/Kg wet	0.0113		**141**	*	70-130			L-01
2-Chlorotoluene	0.0108	0.0011	mg/Kg wet	0.0113		95.1		70-130			
4-Chlorotoluene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0148	0.0057	mg/Kg wet	0.0113		**131**	*	70-130			L-01
1,2-Dibromoethane (EDB)	0.0127	0.00057	mg/Kg wet	0.0113		112		70-130			
Dibromomethane	0.0121	0.0011	mg/Kg wet	0.0113		107		70-130			
1,2-Dichlorobenzene	0.0131	0.0011	mg/Kg wet	0.0113		115		70-130			
1,3-Dichlorobenzene	0.0127	0.0011	mg/Kg wet	0.0113		112		70-130			
1,4-Dichlorobenzene	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130			
trans-1,4-Dichloro-2-butene	0.0143	0.0023	mg/Kg wet	0.0113		126		70-130			
Dichlorodifluoromethane (Freon 12)	0.0139	0.0023	mg/Kg wet	0.0113		122		70-130			
1,1-Dichloroethane	0.0137	0.0011	mg/Kg wet	0.0113		121		70-130			
1,2-Dichloroethane	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130			
1,1-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185016 - SW-846 5035										
LCS (B185016-BS1)				Prepared: 08/28/17 Analyzed: 09/05/17						
cis-1,2-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
trans-1,2-Dichloroethylene	0.0135	0.0011	mg/Kg wet	0.0113		119	70-130			
1,2-Dichloropropane	0.0116	0.0011	mg/Kg wet	0.0113		102	70-130			
1,3-Dichloropropane	0.0123	0.00057	mg/Kg wet	0.0113		108	70-130			
2,2-Dichloropropane	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1-Dichloropropene	0.0134	0.0023	mg/Kg wet	0.0113		118	70-130			
cis-1,3-Dichloropropene	0.0125	0.00057	mg/Kg wet	0.0113		110	70-130			
trans-1,3-Dichloropropene	0.0115	0.00057	mg/Kg wet	0.0113		101	70-130			
Ethylbenzene	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Hexachlorobutadiene	0.0131	0.0011	mg/Kg wet	0.0113		116	70-130			
2-Hexanone (MBK)	0.141	0.011	mg/Kg wet	0.113		124	70-130			
Isopropylbenzene (Cumene)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
p-Isopropyltoluene (p-Cymene)	0.0139	0.0011	mg/Kg wet	0.0113		122	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0122	0.0011	mg/Kg wet	0.0113		107	70-130			
Methylene Chloride	0.0125	0.0057	mg/Kg wet	0.0113		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.131	0.011	mg/Kg wet	0.113		115	70-130			
Naphthalene	0.0133	0.0023	mg/Kg wet	0.0113		117	70-130			
n-Propylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Styrene	0.0121	0.0011	mg/Kg wet	0.0113		107	70-130			
1,1,1,2-Tetrachloroethane	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
1,1,2,2-Tetrachloroethane	0.0127	0.00057	mg/Kg wet	0.0113		112	70-130			
Tetrachloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
Tetrahydrofuran	0.0123	0.011	mg/Kg wet	0.0113		108	70-130			
Toluene	0.0122	0.0011	mg/Kg wet	0.0113		108	70-130			
1,2,3-Trichlorobenzene	0.0128	0.0057	mg/Kg wet	0.0113		113	70-130			
1,2,4-Trichlorobenzene	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130			
1,1,1-Trichloroethane	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130			
1,1,2-Trichloroethane	0.0126	0.0011	mg/Kg wet	0.0113		111	70-130			
Trichloroethylene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130			
Trichlorofluoromethane (Freon 11)	0.0126	0.0023	mg/Kg wet	0.0113		112	70-130			
1,2,3-Trichloropropane	0.0130	0.0023	mg/Kg wet	0.0113		114	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130			
1,2,4-Trimethylbenzene	0.0134	0.0011	mg/Kg wet	0.0113		118	70-130			
1,3,5-Trimethylbenzene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130			
Vinyl Chloride	0.0104	0.0023	mg/Kg wet	0.0113		92.2	70-130			
m+p Xylene	0.0253	0.0023	mg/Kg wet	0.0227		112	70-130			
o-Xylene	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0318*		mg/Kg wet	0.0283		112	70-130			
Surrogate: Toluene-d8	*0.0288*		mg/Kg wet	0.0283		102	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0274*		mg/Kg wet	0.0283		96.8	70-130			
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
Blank (B185200-BLK1)				Prepared & Analyzed: 08/30/17						
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0521*		mg/Kg wet	0.0500		104	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0507*		mg/Kg wet	0.0500		101	70-130			
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Acetone	0.176	0.10	mg/Kg wet	0.200		88.2	70-130			
Acrylonitrile	0.0219	0.0060	mg/Kg wet	0.0200		109	70-130			
Benzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130			
Bromobenzene	0.0163	0.0020	mg/Kg wet	0.0200		81.4	70-130			
Bromodichloromethane	0.0182	0.0020	mg/Kg wet	0.0200		91.1	70-130			
Bromoform	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
Bromomethane	0.0196	0.010	mg/Kg wet	0.0200		97.9	70-130			
2-Butanone (MEK)	0.215	0.040	mg/Kg wet	0.200		108	70-130			
n-Butylbenzene	0.0172	0.0020	mg/Kg wet	0.0200		86.2	70-130			
sec-Butylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
Carbon Disulfide	0.203	0.0060	mg/Kg wet	0.200		102	70-130			
Carbon Tetrachloride	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130			
Chlorobenzene	0.0170	0.0020	mg/Kg wet	0.0200		84.8	70-130			
Chlorodibromomethane	0.0203	0.0010	mg/Kg wet	0.0200		102	70-130			
Chloroethane	0.0158	0.020	mg/Kg wet	0.0200		79.1	70-130			
Chloroform	0.0185	0.0040	mg/Kg wet	0.0200		92.6	70-130			
Chloromethane	0.0194	0.010	mg/Kg wet	0.0200		97.2	70-130			
2-Chlorotoluene	0.0172	0.0020	mg/Kg wet	0.0200		86.0	70-130			
4-Chlorotoluene	0.0173	0.0020	mg/Kg wet	0.0200		86.4	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dibromoethane (EDB)	0.0207	0.0010	mg/Kg wet	0.0200		103	70-130			
Dibromomethane	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130			
1,2-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,3-Dichlorobenzene	0.0168	0.0020	mg/Kg wet	0.0200		84.1	70-130			
1,4-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		88.8	70-130			
trans-1,4-Dichloro-2-butene	0.0179	0.0040	mg/Kg wet	0.0200		89.7	70-130			
Dichlorodifluoromethane (Freon 12)	0.0227	0.020	mg/Kg wet	0.0200		113	70-130			
1,1-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
1,2-Dichloroethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1-Dichloroethylene	0.0198	0.0040	mg/Kg wet	0.0200		98.8	70-130			
cis-1,2-Dichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
trans-1,2-Dichloroethylene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
1,2-Dichloropropane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,3-Dichloropropane	0.0194	0.0010	mg/Kg wet	0.0200		97.2	70-130			
2,2-Dichloropropane	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,1-Dichloropropene	0.0180	0.0020	mg/Kg wet	0.0200		89.9	70-130			
cis-1,3-Dichloropropene	0.0183	0.0010	mg/Kg wet	0.0200		91.3	70-130			
trans-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.4	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185200 - SW-846 5035										
LCS (B185200-BS1)				Prepared & Analyzed: 08/30/17						
Ethylbenzene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Hexachlorobutadiene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
2-Hexanone (MBK)	0.213	0.020	mg/Kg wet	0.200		106	70-130			
Isopropylbenzene (Cumene)	0.0179	0.0020	mg/Kg wet	0.0200		89.7	70-130			
p-Isopropyltoluene (p-Cymene)	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0184	0.0040	mg/Kg wet	0.0200		92.1	70-130			
Methylene Chloride	0.0221	0.020	mg/Kg wet	0.0200		111	70-130			
4-Methyl-2-pentanone (MIBK)	0.218	0.020	mg/Kg wet	0.200		109	70-130			
Naphthalene	0.0154	0.0040	mg/Kg wet	0.0200		76.8	70-130			
n-Propylbenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.3	70-130			
Styrene	0.0170	0.0020	mg/Kg wet	0.0200		85.0	70-130			
1,1,1,2-Tetrachloroethane	0.0176	0.0020	mg/Kg wet	0.0200		87.9	70-130			
1,1,2,2-Tetrachloroethane	0.0160	0.0040	mg/Kg wet	0.0200		79.8	70-130			
Tetrachloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
Tetrahydrofuran	0.0178	0.010	mg/Kg wet	0.0200		88.9	70-130			V-16
Toluene	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
1,2,3-Trichlorobenzene	0.0167	0.0020	mg/Kg wet	0.0200		83.7	70-130			
1,2,4-Trichlorobenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.6	70-130			
1,1,1-Trichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2-Trichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		91.0	70-130			
Trichloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130			
Trichlorofluoromethane (Freon 11)	0.0238	0.010	mg/Kg wet	0.0200		119	70-130			
1,2,3-Trichloropropane	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0217	0.010	mg/Kg wet	0.0200		108	70-130			
1,2,4-Trimethylbenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130			
1,3,5-Trimethylbenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130			
Vinyl Chloride	0.0175	0.010	mg/Kg wet	0.0200		87.3	70-130			
m+p Xylene	0.0349	0.0040	mg/Kg wet	0.0400		87.2	70-130			
o-Xylene	0.0176	0.0020	mg/Kg wet	0.0200		87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0519*		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	*0.0528*		mg/Kg wet	0.0500		106	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0518*		mg/Kg wet	0.0500		104	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
Blank (B185495-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Pyridine	ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*4.54*		mg/Kg wet	6.67		68.2	30-130			
Surrogate: Phenol-d6	*4.69*		mg/Kg wet	6.67		70.4	30-130			
Surrogate: Nitrobenzene-d5	*2.33*		mg/Kg wet	3.33		69.8	30-130			
Surrogate: 2-Fluorobiphenyl	*2.42*		mg/Kg wet	3.33		72.5	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.89*		mg/Kg wet	6.67		88.4	30-130			
Surrogate: p-Terphenyl-d14	*2.93*		mg/Kg wet	3.33		87.8	30-130			
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Acenaphthene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140			
Acenaphthylene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140			
Aniline	0.778	0.34	mg/Kg wet	1.67		46.7	40-140			†
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.3	40-140			
Benzo(a)anthracene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Benzo(a)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140			
Benzo(b)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.5	40-140			
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Benzo(k)fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140			
Bis(2-chloroethoxy)methane	1.21	0.34	mg/Kg wet	1.67		72.8	40-140			
Bis(2-chloroethyl)ether	1.05	0.34	mg/Kg wet	1.67		63.2	40-140			
Bis(2-chloroisopropyl)ether	1.17	0.34	mg/Kg wet	1.67		70.2	40-140			
Bis(2-Ethylhexyl)phthalate	1.18	0.34	mg/Kg wet	1.67		70.6	40-140			
4-Bromophenylphenylether	1.26	0.34	mg/Kg wet	1.67		75.7	40-140			
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		73.5	40-140			
Carbazole	1.05	0.17	mg/Kg wet	1.67		62.7	40-140			
4-Chloroaniline	0.694	0.66	mg/Kg wet	1.67		41.7	40-140			†
4-Chloro-3-methylphenol	1.16	0.66	mg/Kg wet	1.67		69.7	30-130			
2-Chloronaphthalene	1.02	0.34	mg/Kg wet	1.67		61.2	40-140			
2-Chlorophenol	1.08	0.34	mg/Kg wet	1.67		64.8	30-130			
4-Chlorophenylphenylether	1.18	0.34	mg/Kg wet	1.67		70.8	40-140			
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140			
Dibenz(a,h)anthracene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Dibenzofuran	1.09	0.34	mg/Kg wet	1.67		65.4	40-140			
Di-n-butylphthalate	1.14	0.34	mg/Kg wet	1.67		68.3	40-140			
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.2	40-140			†
2,4-Dichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.2	30-130			
Diethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.1	40-140			
2,4-Dimethylphenol	1.12	0.34	mg/Kg wet	1.67		67.2	30-130			
Dimethylphthalate	1.15	0.34	mg/Kg wet	1.67		69.2	40-140			
4,6-Dinitro-2-methylphenol	0.926	0.34	mg/Kg wet	1.67		55.6	30-130			

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B185495 - SW-846 3546											
LCS (B185495-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17							
2,4-Dinitrophenol	0.597	0.66	mg/Kg wet	1.67		35.8	30-130				
2,4-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		72.9	40-140				
2,6-Dinitrotoluene	1.22	0.34	mg/Kg wet	1.67		73.0	40-140				
Di-n-octylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140				
Fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Fluorene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140				
Hexachlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.5	40-140				
Hexachlorobutadiene	1.18	0.34	mg/Kg wet	1.67		71.1	40-140				
Hexachlorocyclopentadiene	0.940	0.34	mg/Kg wet	1.67		56.4	30-140				
Hexachloroethane	1.02	0.34	mg/Kg wet	1.67		61.0	40-140				
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		69.9	40-140				
Isophorone	1.21	0.34	mg/Kg wet	1.67		72.6	40-140				
2-Methylnaphthalene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140				
2-Methylphenol	1.01	0.34	mg/Kg wet	1.67		60.8	30-130				
3/4-Methylphenol	1.10	0.34	mg/Kg wet	1.67		65.7	30-130				
Naphthalene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140				
2-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		71.9	40-140				
3-Nitroaniline	0.969	0.34	mg/Kg wet	1.67		58.2	40-140				†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.6	40-140				
Nitrobenzene	1.21	0.34	mg/Kg wet	1.67		72.7	40-140				
2-Nitrophenol	1.08	0.34	mg/Kg wet	1.67		64.6	30-130				
4-Nitrophenol	1.44	0.66	mg/Kg wet	1.67		86.2	10-130				
N-Nitrosodiphenylamine	1.39	0.34	mg/Kg wet	1.67		83.6	40-140				
N-Nitrosodi-n-propylamine	1.13	0.34	mg/Kg wet	1.67		67.9	40-140				
Pentachloronitrobenzene	1.32	0.34	mg/Kg wet	1.67		79.3	40-140			V-16	
Pentachlorophenol	0.930	0.34	mg/Kg wet	1.67		55.8	30-130				
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		64.8	40-140				
Phenol	1.14	0.34	mg/Kg wet	1.67		68.4	20-130				
Pyrene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140				
Pyridine	0.669	0.34	mg/Kg wet	1.67		40.2	10-140				†
1,2,4,5-Tetrachlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.0	40-140				
1,2,4-Trichlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.4	40-140				
2,4,5-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.4	30-130				
2,4,6-Trichlorophenol	1.15	0.34	mg/Kg wet	1.67		69.0	30-130				
Surrogate: 2-Fluorophenol	*4.68*		mg/Kg wet	6.67		70.2	30-130				
Surrogate: Phenol-d6	*4.81*		mg/Kg wet	6.67		72.2	30-130				
Surrogate: Nitrobenzene-d5	*2.43*		mg/Kg wet	3.33		72.9	30-130				
Surrogate: 2-Fluorobiphenyl	*2.43*		mg/Kg wet	3.33		72.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.33*		mg/Kg wet	6.67		94.9	30-130				
Surrogate: p-Terphenyl-d14	*2.81*		mg/Kg wet	3.33		84.4	30-130				
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
Acenaphthene	0.972	0.17	mg/Kg wet	1.67		58.3	40-140	2.27	30		
Acenaphthylene	0.938	0.17	mg/Kg wet	1.67		56.3	40-140	3.52	30		
Aniline	0.734	0.34	mg/Kg wet	1.67		44.0	40-140	5.91	50		† ‡
Anthracene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	2.92	30		
Benzo(a)anthracene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140	4.96	30		
Benzo(a)pyrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140	5.65	30		
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	5.29	30		
Benzo(g,h,i)perylene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	6.52	30		
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	4.77	30		
Bis(2-chloroethoxy)methane	1.17	0.34	mg/Kg wet	1.67		70.1	40-140	3.81	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546										
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Bis(2-chloroethyl)ether	1.07	0.34	mg/Kg wet	1.67		64.3	40-140	1.76	30	
Bis(2-chloroisopropyl)ether	1.12	0.34	mg/Kg wet	1.67		67.1	40-140	4.58	30	
Bis(2-Ethylhexyl)phthalate	1.13	0.34	mg/Kg wet	1.67		67.7	40-140	4.25	30	
4-Bromophenylphenylether	1.22	0.34	mg/Kg wet	1.67		73.3	40-140	3.22	30	
Butylbenzylphthalate	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	6.31	30	
Carbazole	0.997	0.17	mg/Kg wet	1.67		59.8	40-140	4.77	30	
4-Chloroaniline	0.693	0.66	mg/Kg wet	1.67		41.6	40-140	0.240	30	†
4-Chloro-3-methylphenol	1.10	0.66	mg/Kg wet	1.67		66.0	30-130	5.51	30	
2-Chloronaphthalene	0.996	0.34	mg/Kg wet	1.67		59.8	40-140	2.35	30	
2-Chlorophenol	1.03	0.34	mg/Kg wet	1.67		61.6	30-130	5.06	30	
4-Chlorophenylphenylether	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	5.52	30	
Chrysene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	5.32	30	
Dibenz(a,h)anthracene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	4.48	30	
Dibenzofuran	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	2.76	30	
Di-n-butylphthalate	1.09	0.34	mg/Kg wet	1.67		65.2	40-140	4.73	30	
3,3-Dichlorobenzidine	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	0.775	30	† ‡
2,4-Dichlorophenol	1.13	0.34	mg/Kg wet	1.67		67.6	30-130	3.78	30	
Diethylphthalate	1.11	0.34	mg/Kg wet	1.67		66.5	40-140	3.86	30	
2,4-Dimethylphenol	1.07	0.34	mg/Kg wet	1.67		64.2	30-130	4.56	30	
Dimethylphthalate	1.12	0.34	mg/Kg wet	1.67		67.0	40-140	3.26	50	
4,6-Dinitro-2-methylphenol	0.902	0.34	mg/Kg wet	1.67		54.1	30-130	2.70	50	
2,4-Dinitrophenol	0.607	0.66	mg/Kg wet	1.67		36.4	30-130	1.66	50	
2,4-Dinitrotoluene	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	3.77	30	
2,6-Dinitrotoluene	1.18	0.34	mg/Kg wet	1.67		70.7	40-140	3.20	30	
Di-n-octylphthalate	1.06	0.34	mg/Kg wet	1.67		63.6	40-140	4.43	30	
Fluoranthene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140	3.16	30	
Fluorene	0.990	0.17	mg/Kg wet	1.67		59.4	40-140	4.70	30	
Hexachlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.7	40-140	0.986	30	
Hexachlorobutadiene	1.16	0.34	mg/Kg wet	1.67		69.7	40-140	1.99	30	
Hexachlorocyclopentadiene	0.928	0.34	mg/Kg wet	1.67		55.7	30-140	1.29	50	
Hexachloroethane	1.01	0.34	mg/Kg wet	1.67		60.7	40-140	0.460	50	
Indeno(1,2,3-cd)pyrene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140	3.70	50	
Isophorone	1.16	0.34	mg/Kg wet	1.67		69.4	40-140	4.45	30	
2-Methylnaphthalene	1.06	0.17	mg/Kg wet	1.67		63.9	40-140	3.17	30	
2-Methylphenol	0.976	0.34	mg/Kg wet	1.67		58.6	30-130	3.72	30	
3/4-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.2	30-130	5.57	30	
Naphthalene	0.977	0.17	mg/Kg wet	1.67		58.6	40-140	4.28	30	
2-Nitroaniline	1.18	0.34	mg/Kg wet	1.67		71.0	40-140	1.26	30	
3-Nitroaniline	0.932	0.34	mg/Kg wet	1.67		55.9	40-140	3.89	30	†
4-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.2	40-140	0.641	30	
Nitrobenzene	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	5.28	30	
2-Nitrophenol	1.07	0.34	mg/Kg wet	1.67		64.0	30-130	0.809	30	
4-Nitrophenol	1.42	0.66	mg/Kg wet	1.67		85.5	10-130	0.769	50	‡
N-Nitrosodiphenylamine	1.32	0.34	mg/Kg wet	1.67		79.2	40-140	5.43	30	
N-Nitrosodi-n-propylamine	1.10	0.34	mg/Kg wet	1.67		65.9	40-140	3.05	30	
Pentachloronitrobenzene	1.30	0.34	mg/Kg wet	1.67		78.1	40-140	1.55	30	V-16
Pentachlorophenol	0.905	0.34	mg/Kg wet	1.67		54.3	30-130	2.76	50	
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		62.7	40-140	3.26	30	
Phenol	1.08	0.34	mg/Kg wet	1.67		64.6	20-130	5.71	30	
Pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	5.53	30	
Pyridine	0.631	0.34	mg/Kg wet	1.67		37.8	10-140	5.95	50	†
1,2,4,5-Tetrachlorobenzene	1.07	0.34	mg/Kg wet	1.67		64.5	40-140	3.80	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185495 - SW-846 3546											
LCS Dup (B185495-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17							
1,2,4-Trichlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.1		40-140	3.37	30	
2,4,5-Trichlorophenol	1.10	0.34	mg/Kg wet	1.67		66.3		30-130	1.68	30	
2,4,6-Trichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.2		30-130	2.55	50	
Surrogate: 2-Fluorophenol	*4.53*		mg/Kg wet	6.67		68.0		30-130			
Surrogate: Phenol-d6	*4.56*		mg/Kg wet	6.67		68.5		30-130			
Surrogate: Nitrobenzene-d5	*2.32*		mg/Kg wet	3.33		69.6		30-130			
Surrogate: 2-Fluorobiphenyl	*2.36*		mg/Kg wet	3.33		70.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.14*		mg/Kg wet	6.67		92.0		30-130			
Surrogate: p-Terphenyl-d14	*2.62*		mg/Kg wet	3.33		78.6		30-130			
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17							
Acenaphthene	1.16	0.75	mg/Kg dry	1.83	0.285	47.6		40-140			R-06
Acenaphthylene	0.956	0.75	mg/Kg dry	1.83	ND	52.2		40-140			
Aniline	0.533	1.5	mg/Kg dry	1.83	ND	**29.1**	*	40-140			MS-09
Anthracene	1.80	0.75	mg/Kg dry	1.83	0.945	46.9		40-140			R-06
Benzo(a)anthracene	9.37	0.75	mg/Kg dry	1.83	10.3	**-50.2**	*	40-140			MS-09, R-06
Benzo(a)pyrene	7.57	0.75	mg/Kg dry	1.83	8.83	**-68.8**	*	40-140			MS-08, R-06
Benzo(b)fluoranthene	10.6	0.75	mg/Kg dry	1.83	12.7	**-116**	*	40-140			MS-08, R-06
Benzo(g,h,i)perylene	3.79	0.75	mg/Kg dry	1.83	5.30	**-82.4**	*	40-140			MS-09
Benzo(k)fluoranthene	4.50	0.75	mg/Kg dry	1.83	4.86	**-19.7**	*	40-140			MS-08, R-06
Bis(2-chloroethoxy)methane	1.05	1.5	mg/Kg dry	1.83	ND	57.3		40-140			
Bis(2-chloroethyl)ether	0.992	1.5	mg/Kg dry	1.83	ND	54.2		40-140			
Bis(2-chloroisopropyl)ether	1.07	1.5	mg/Kg dry	1.83	ND	58.6		40-140			
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.7		40-140			
4-Bromophenylphenylether	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140			
Butylbenzylphthalate	1.23	1.5	mg/Kg dry	1.83	ND	67.4		40-140			
Carbazole	1.89	0.75	mg/Kg dry	1.83	0.767	61.2		40-140			R-06
4-Chloroaniline	0.741	2.9	mg/Kg dry	1.83	ND	40.5		40-140			
4-Chloro-3-methylphenol	1.06	2.9	mg/Kg dry	1.83	ND	58.1		30-130			
2-Chloronaphthalene	0.944	1.5	mg/Kg dry	1.83	ND	51.6		40-140			
2-Chlorophenol	0.972	1.5	mg/Kg dry	1.83	ND	53.1		30-130			
4-Chlorophenylphenylether	1.02	1.5	mg/Kg dry	1.83	ND	55.8		40-140			
Chrysene	10.2	0.75	mg/Kg dry	1.83	10.9	**-41.0**	*	40-140			MS-09, R-06
Dibenz(a,h)anthracene	1.51	0.75	mg/Kg dry	1.83	1.38	**7.28**	*	40-140			MS-09
Dibenzofuran	1.13	1.5	mg/Kg dry	1.83	ND	61.8		40-140			
Di-n-butylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.2		40-140			
3,3-Dichlorobenzidine	0.899	0.75	mg/Kg dry	1.83	ND	49.1		40-140			
2,4-Dichlorophenol	0.986	1.5	mg/Kg dry	1.83	ND	53.9		30-130			
Diethylphthalate	1.04	1.5	mg/Kg dry	1.83	ND	56.7		40-140			
2,4-Dimethylphenol	0.869	1.5	mg/Kg dry	1.83	ND	47.5		30-130			
Dimethylphthalate	1.02	1.5	mg/Kg dry	1.83	ND	55.9		40-140			
4,6-Dinitro-2-methylphenol	0.752	1.5	mg/Kg dry	1.83	ND	41.1		30-130			
2,4-Dinitrophenol	0.844	2.9	mg/Kg dry	1.83	ND	46.2		30-130			
2,4-Dinitrotoluene	0.885	1.5	mg/Kg dry	1.83	ND	48.4		40-140			
2,6-Dinitrotoluene	0.932	1.5	mg/Kg dry	1.83	ND	51.0		40-140			
Di-n-octylphthalate	1.07	1.5	mg/Kg dry	1.83	ND	58.4		40-140			
Fluoranthene	21.7	0.75	mg/Kg dry	1.83	24.1	**-132**	*	40-140			MS-09, R-06
Fluorene	1.14	0.75	mg/Kg dry	1.83	ND	62.5		40-140			
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140			
Hexachlorobutadiene	1.09	1.5	mg/Kg dry	1.83	ND	59.8		40-140			
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140			MS-09
Hexachloroethane	0.719	1.5	mg/Kg dry	1.83	ND	**39.3**	*	40-140			MS-09

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B185495 - SW-846 3546												
Matrix Spike (B185495-MS1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Indeno(1,2,3-cd)pyrene	4.23	0.75	mg/Kg dry	1.83	5.57	**-73.0**	*	40-140				MS-09, R-06
Isophorone	1.07	1.5	mg/Kg dry	1.83	ND	58.7		40-140				
2-Methylnaphthalene	1.06	0.75	mg/Kg dry	1.83	ND	57.8		40-140				
2-Methylphenol	0.880	1.5	mg/Kg dry	1.83	ND	48.1		30-130				
3/4-Methylphenol	0.967	1.5	mg/Kg dry	1.83	ND	52.9		30-130				
Naphthalene	1.01	0.75	mg/Kg dry	1.83	ND	55.3		40-140				
2-Nitroaniline	1.19	1.5	mg/Kg dry	1.83	ND	65.0		40-140				
3-Nitroaniline	1.06	1.5	mg/Kg dry	1.83	ND	57.8		40-140				
4-Nitroaniline	1.10	1.5	mg/Kg dry	1.83	ND	59.9		40-140				
Nitrobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.5		40-140				
2-Nitrophenol	0.722	1.5	mg/Kg dry	1.83	ND	39.4		30-130				
4-Nitrophenol	1.23	2.9	mg/Kg dry	1.83	ND	67.1		30-130				
N-Nitrosodiphenylamine	1.23	1.5	mg/Kg dry	1.83	ND	67.0		40-140				
N-Nitrosodi-n-propylamine	1.05	1.5	mg/Kg dry	1.83	ND	57.1		40-140				
Pentachloronitrobenzene	0.998	1.5	mg/Kg dry	1.83	ND	54.6		40-140				V-16
Pentachlorophenol	0.574	1.5	mg/Kg dry	1.83	ND	31.4		30-130				
Phenanthrene	8.64	0.75	mg/Kg dry	1.83	6.77	102		40-140				R-06
Phenol	0.985	1.5	mg/Kg dry	1.83	ND	53.8		30-130				
Pyrene	22.2	0.75	mg/Kg dry	1.83	21.8	**23.4**	*	40-140				MS-09, R-06
Pyridine	0.553	1.5	mg/Kg dry	1.83	ND	**30.2**	*	40-140				MS-09
1,2,4,5-Tetrachlorobenzene	0.913	1.5	mg/Kg dry	1.83	ND	49.9		40-140				
1,2,4-Trichlorobenzene	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140				
2,4,5-Trichlorophenol	0.957	1.5	mg/Kg dry	1.83	ND	52.3		30-130				
2,4,6-Trichlorophenol	0.997	1.5	mg/Kg dry	1.83	ND	54.5		30-130				
Surrogate: 2-Fluorophenol	*3.86*		mg/Kg dry	7.32		52.8		30-130				
Surrogate: Phenol-d6	*3.98*		mg/Kg dry	7.32		54.4		30-130				
Surrogate: Nitrobenzene-d5	*2.18*		mg/Kg dry	3.66		59.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.00*		mg/Kg dry	3.66		54.8		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.66*		mg/Kg dry	7.32		63.6		30-130				
Surrogate: p-Terphenyl-d14	*2.64*		mg/Kg dry	3.66		72.1		30-130				
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
Acenaphthene	1.76	0.75	mg/Kg dry	1.83	0.285	80.7		40-140	**41.5**	*	30	R-06
Acenaphthylene	0.981	0.75	mg/Kg dry	1.83	ND	53.6		40-140	2.57		30	
Aniline	0.534	1.5	mg/Kg dry	1.83	ND	**29.2**	*	40-140	0.274		30	MS-09
Anthracene	3.23	0.75	mg/Kg dry	1.83	0.945	125		40-140	**56.6**	*	30	R-06
Benzo(a)anthracene	14.2	0.75	mg/Kg dry	1.83	10.3	**212**	*	40-140	**40.7**	*	30	MS-09, R-06
Benzo(a)pyrene	10.7	0.75	mg/Kg dry	1.83	8.83	104		40-140	**34.6**	*	30	R-06
Benzo(b)fluoranthene	15.0	0.75	mg/Kg dry	1.83	12.7	122		40-140	**34.2**	*	30	R-06
Benzo(g,h,i)perylene	5.02	0.75	mg/Kg dry	1.83	5.30	**-15.4**	*	40-140	27.8		30	MS-09
Benzo(k)fluoranthene	6.29	0.75	mg/Kg dry	1.83	4.86	77.8		40-140	**33.1**	*	30	R-06
Bis(2-chloroethoxy)methane	1.08	1.5	mg/Kg dry	1.83	ND	59.3		40-140	3.43		30	
Bis(2-chloroethyl)ether	1.02	1.5	mg/Kg dry	1.83	ND	55.7		40-140	2.62		30	
Bis(2-chloroisopropyl)ether	1.06	1.5	mg/Kg dry	1.83	ND	58.0		40-140	0.961		30	
Bis(2-Ethylhexyl)phthalate	1.60	1.5	mg/Kg dry	1.83	ND	87.6		40-140	0.0913		30	
4-Bromophenylphenylether	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	5.52		30	
Butylbenzylphthalate	1.26	1.5	mg/Kg dry	1.83	ND	68.8		40-140	2.12		30	
Carbazole	2.85	0.75	mg/Kg dry	1.83	0.767	114		40-140	**40.8**	*	30	R-06
4-Chloroaniline	0.751	2.9	mg/Kg dry	1.83	ND	41.0		40-140	1.37		30	
4-Chloro-3-methylphenol	1.05	2.9	mg/Kg dry	1.83	ND	57.4		30-130	1.25		30	
2-Chloronaphthalene	0.926	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.88		30	
2-Chlorophenol	0.924	1.5	mg/Kg dry	1.83	ND	50.5		30-130	5.10		30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B185495 - SW-846 3546												
Matrix Spike Dup (B185495-MSD1)		**Source: 17H1544-05**		Prepared: 09/05/17 Analyzed: 09/07/17								
4-Chlorophenylphenylether	0.975	1.5	mg/Kg dry	1.83	ND	53.3		40-140	4.69		30	
Chrysene	15.1	0.75	mg/Kg dry	1.83	10.9	**229**	*	40-140	**39.0**	*	30	MS-09, R-06
Dibenz(a,h)anthracene	1.87	0.75	mg/Kg dry	1.83	1.38	**26.6**	*	40-140	21.0		30	MS-09
Dibenzofuran	1.45	1.5	mg/Kg dry	1.83	ND	79.1		40-140	24.6		30	
Di-n-butylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.3		40-140	3.35		30	
3,3-Dichlorobenzidine	0.821	0.75	mg/Kg dry	1.83	ND	44.9		40-140	9.02		30	
2,4-Dichlorophenol	1.03	1.5	mg/Kg dry	1.83	ND	56.2		30-130	4.07		30	
Diethylphthalate	1.03	1.5	mg/Kg dry	1.83	ND	56.1		40-140	1.13		30	
2,4-Dimethylphenol	0.844	1.5	mg/Kg dry	1.83	ND	46.2		30-130	2.90		30	
Dimethylphthalate	1.01	1.5	mg/Kg dry	1.83	ND	55.4		40-140	1.01		30	
4,6-Dinitro-2-methylphenol	0.749	1.5	mg/Kg dry	1.83	ND	41.0		30-130			30	
2,4-Dinitrophenol	0.840	2.9	mg/Kg dry	1.83	ND	45.9		30-130			30	
2,4-Dinitrotoluene	0.881	1.5	mg/Kg dry	1.83	ND	48.2		40-140	0.497		30	
2,6-Dinitrotoluene	0.921	1.5	mg/Kg dry	1.83	ND	50.3		40-140	1.26		30	
Di-n-octylphthalate	1.06	1.5	mg/Kg dry	1.83	ND	58.1		40-140	0.549		30	
Fluoranthene	39.0	0.75	mg/Kg dry	1.83	24.1	**810**	*	40-140	**56.8**	*	30	MS-09, R-06
Fluorene	1.53	0.75	mg/Kg dry	1.83	ND	83.7		40-140	29.0		30	
Hexachlorobenzene	1.09	1.5	mg/Kg dry	1.83	ND	59.6		40-140	0.269		30	
Hexachlorobutadiene	1.03	1.5	mg/Kg dry	1.83	ND	56.6		40-140	5.64		30	
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	1.83	ND		*	40-140	NC		30	MS-09
Hexachloroethane	0.686	1.5	mg/Kg dry	1.83	ND	**37.5**	*	40-140	4.58		30	MS-09
Indeno(1,2,3-cd)pyrene	5.80	0.75	mg/Kg dry	1.83	5.57	**12.8**	*	40-140	**31.3**	*	30	MS-09, R-06
Isophorone	1.09	1.5	mg/Kg dry	1.83	ND	59.4		40-140	1.08		30	
2-Methylnaphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.4		40-140	1.10		30	
2-Methylphenol	0.846	1.5	mg/Kg dry	1.83	ND	46.2		30-130	3.90		30	
3/4-Methylphenol	0.943	1.5	mg/Kg dry	1.83	ND	51.5		30-130	2.61		30	
Naphthalene	1.07	0.75	mg/Kg dry	1.83	ND	58.6		40-140	5.90		30	
2-Nitroaniline	1.16	1.5	mg/Kg dry	1.83	ND	63.3		40-140	2.74		30	
3-Nitroaniline	1.03	1.5	mg/Kg dry	1.83	ND	56.4		40-140	2.52		30	
4-Nitroaniline	1.15	1.5	mg/Kg dry	1.83	ND	62.8		40-140	4.69		30	
Nitrobenzene	1.14	1.5	mg/Kg dry	1.83	ND	62.2		40-140	4.34		30	
2-Nitrophenol	0.667	1.5	mg/Kg dry	1.83	ND	36.5		30-130	7.80		30	
4-Nitrophenol	1.24	2.9	mg/Kg dry	1.83	ND	67.8		30-130	0.949		30	
N-Nitrosodiphenylamine	1.16	1.5	mg/Kg dry	1.83	ND	63.4		40-140	5.64		30	
N-Nitrosodi-n-propylamine	1.03	1.5	mg/Kg dry	1.83	ND	56.2		40-140	1.55		30	
Pentachloronitrobenzene	0.935	1.5	mg/Kg dry	1.83	ND	51.1		40-140	6.51		30	V-16
Pentachlorophenol	0.542	1.5	mg/Kg dry	1.83	ND	**29.6**	*	30-130	5.77		30	MS-08
Phenanthrene	20.0	0.75	mg/Kg dry	1.83	6.77	**721**	*	40-140	**79.2**	*	30	MS-08, R-06
Phenol	0.922	1.5	mg/Kg dry	1.83	ND	50.4		30-130	6.60		30	
Pyrene	37.9	0.75	mg/Kg dry	1.83	21.8	**879**	*	40-140	**52.2**	*	30	MS-09, R-06
Pyridine	0.634	1.5	mg/Kg dry	1.83	ND	**34.6**	*	40-140	13.6		30	MS-09
1,2,4,5-Tetrachlorobenzene	0.925	1.5	mg/Kg dry	1.83	ND	50.6		40-140	1.27		30	
1,2,4-Trichlorobenzene	1.01	1.5	mg/Kg dry	1.83	ND	55.0		40-140	2.30		30	
2,4,5-Trichlorophenol	0.907	1.5	mg/Kg dry	1.83	ND	49.6		30-130	5.34		30	
2,4,6-Trichlorophenol	0.899	1.5	mg/Kg dry	1.83	ND	49.1		30-130	10.3		30	
Surrogate: 2-Fluorophenol	*3.82*		mg/Kg dry	7.32		52.2		30-130				
Surrogate: Phenol-d6	*4.00*		mg/Kg dry	7.32		54.6		30-130				
Surrogate: Nitrobenzene-d5	*2.22*		mg/Kg dry	3.66		60.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.07*		mg/Kg dry	3.66		56.4		30-130				
Surrogate: 2,4,6-Tribromophenol	*4.67*		mg/Kg dry	7.32		63.8		30-130				
Surrogate: p-Terphenyl-d14	*2.67*		mg/Kg dry	3.66		73.1		30-130				

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C										
Blank (B185576-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.214*		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.209*		mg/Kg wet	0.200		105	30-150			
LCS (B185576-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.4	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.1	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		81.3	40-140			
Surrogate: Decachlorobiphenyl	*0.209*		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
LCS Dup (B185576-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		95.0	40-140	6.46	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.1	40-140	5.67	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		79.8	40-140	9.91	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		73.5	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.196*		mg/Kg wet	0.200		98.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B185576 - SW-846 3540C											
Matrix Spike (B185576-MS1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.32	0.46	mg/Kg dry	0.228	ND	139		40-140			
Aroclor-1016 [2C]	0.32	0.46	mg/Kg dry	0.228	ND	140		40-140			
Aroclor-1260	1.8	0.46	mg/Kg dry	0.228	1.7	46.8		40-140			MS-19
Aroclor-1260 [2C]	1.8	0.46	mg/Kg dry	0.228	1.7	41.5		40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg dry	0.228		80.4		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg dry	0.228		92.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.210*		mg/Kg dry	0.228		92.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.232*		mg/Kg dry	0.228		102		30-150			
Matrix Spike Dup (B185576-MSD1)		**Source: 17H1544-01**		Prepared: 09/06/17 Analyzed: 09/10/17							
Aroclor-1016	0.27	0.45	mg/Kg dry	0.226	ND	118		40-140	17.6	50	
Aroclor-1016 [2C]	0.30	0.45	mg/Kg dry	0.226	ND	132		40-140	6.89	50	
Aroclor-1260	1.4	0.45	mg/Kg dry	0.226	1.7	**-158**	*	40-140	28.9	50	MS-19
Aroclor-1260 [2C]	1.4	0.45	mg/Kg dry	0.226	1.7	**-154**	*	40-140	28.0	50	MS-19
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg dry	0.226		79.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg dry	0.226		98.7		30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg dry	0.226		86.4		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.216*		mg/Kg dry	0.226		96.0		30-150			
Batch B185577 - SW-846 3540C											
Blank (B185577-BLK1)				Prepared: 09/06/17 Analyzed: 09/09/17							
Aroclor-1016	ND	0.10	mg/Kg								
Aroclor-1016 [2C]	ND	0.10	mg/Kg								
Aroclor-1221	ND	0.10	mg/Kg								
Aroclor-1221 [2C]	ND	0.10	mg/Kg								
Aroclor-1232	ND	0.10	mg/Kg								
Aroclor-1232 [2C]	ND	0.10	mg/Kg								
Aroclor-1242	ND	0.10	mg/Kg								
Aroclor-1242 [2C]	ND	0.10	mg/Kg								
Aroclor-1248	ND	0.10	mg/Kg								
Aroclor-1248 [2C]	ND	0.10	mg/Kg								
Aroclor-1254	ND	0.10	mg/Kg								
Aroclor-1254 [2C]	ND	0.10	mg/Kg								
Aroclor-1260	ND	0.10	mg/Kg								
Aroclor-1260 [2C]	ND	0.10	mg/Kg								
Aroclor-1262	ND	0.10	mg/Kg								
Aroclor-1262 [2C]	ND	0.10	mg/Kg								
Aroclor-1268	ND	0.10	mg/Kg								
Aroclor-1268 [2C]	ND	0.10	mg/Kg								
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.12*		mg/Kg	1.00		112		30-150			
Surrogate: Tetrachloro-m-xylene	*0.888*		mg/Kg	1.00		88.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.941*		mg/Kg	1.00		94.1		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185577 - SW-846 3540C										
LCS (B185577-BS1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.97	0.10	mg/Kg	1.00		96.5	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		104	40-140			
Aroclor-1260	0.92	0.10	mg/Kg	1.00		92.2	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		99.8	40-140			
Surrogate: Decachlorobiphenyl	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.22*		mg/Kg	1.00		122	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		mg/Kg	1.00		101	30-150			
LCS Dup (B185577-BSD1)				Prepared: 09/06/17 Analyzed: 09/09/17						
Aroclor-1016	0.92	0.10	mg/Kg	1.00		92.4	40-140	4.34	30	
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		102	40-140	1.96	30	
Aroclor-1260	0.91	0.10	mg/Kg	1.00		90.7	40-140	1.61	30	
Aroclor-1260 [2C]	0.99	0.10	mg/Kg	1.00		98.8	40-140	1.02	30	
Surrogate: Decachlorobiphenyl	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.20*		mg/Kg	1.00		120	30-150			
Surrogate: Tetrachloro-m-xylene	*0.929*		mg/Kg	1.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.987*		mg/Kg	1.00		98.7	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185490 - SW-846 3546										
Blank (B185490-BLK1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.17*		mg/Kg wet	3.33		95.2	50-150			
LCS (B185490-BS1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.1	10	mg/Kg wet	33.3		69.3	60-120			
Surrogate: o-Terphenyl	*3.34*		mg/Kg wet	3.33		100	50-150			
LCS Dup (B185490-BSD1)				Prepared: 09/05/17 Analyzed: 09/07/17						
CT ETPH	23.0	10	mg/Kg wet	33.3		69.1	60-120	0.254	30	
Surrogate: o-Terphenyl	*3.11*		mg/Kg wet	3.33		93.2	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185230 - SW-846 7471										
Blank (B185230-BLK1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	ND	0.025	mg/Kg wet							
LCS (B185230-BS1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	9.79	2.0	mg/Kg wet	9.36		105	73.7-126.3			
LCS Dup (B185230-BSD1)				Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	11.2	1.9	mg/Kg wet	9.36		119	73.7-126.3	13.2	30	
Duplicate (B185230-DUP1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.123	0.028	mg/Kg dry		0.119			3.15	35	
Matrix Spike (B185230-MS1)		**Source: 17H1544-01**		Prepared: 08/30/17 Analyzed: 09/05/17						
Mercury	0.312	0.028	mg/Kg dry	0.186	0.119	104	75-125			
Batch B185527 - SW-846 3050B										
Blank (B185527-BLK1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B185527-BS1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.8	4.8	mg/Kg wet	146		44.4	0-210.3			
Arsenic	144	4.8	mg/Kg wet	157		91.7	77.8-122.1			
Barium	312	4.8	mg/Kg wet	339		92.1	82-117.4			
Beryllium	54.0	0.48	mg/Kg wet	58.3		92.7	82.3-117.7			
Cadmium	193	0.48	mg/Kg wet	216		89.3	81.9-118.2			
Chromium	82.1	0.96	mg/Kg wet	88.9		92.3	78.7-120.6			
Copper	173	0.96	mg/Kg wet	184		94.2	80.4-119.6			
Lead	87.7	1.4	mg/Kg wet	94.3		93.0	82.4-117.8			
Nickel	143	0.96	mg/Kg wet	154		92.8	82.2-117.8			
Selenium	184	9.6	mg/Kg wet	207		89.1	77.1-122.3			
Silver	40.7	0.96	mg/Kg wet	43.8		92.9	74.3-125.4			
Thallium	144	4.8	mg/Kg wet	167		86.3	78.2-121.6			
Vanadium	82.7	1.9	mg/Kg wet	100		82.7	64.8-135.2			
Zinc	201	1.9	mg/Kg wet	209		96.0	79.7-120.8			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185527 - SW-846 3050B										
LCS Dup (B185527-BSD1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Antimony	64.4	5.0	mg/Kg wet	146		44.1	0-210.3	0.641	30	
Arsenic	139	5.0	mg/Kg wet	157		88.5	77.8-122.1	3.60	30	
Barium	304	5.0	mg/Kg wet	339		89.5	82-117.4	2.82	30	
Beryllium	53.2	0.50	mg/Kg wet	58.3		91.2	82.3-117.7	1.63	30	
Cadmium	189	0.50	mg/Kg wet	216		87.7	81.9-118.2	1.76	30	
Chromium	79.5	1.0	mg/Kg wet	88.9		89.5	78.7-120.6	3.14	30	
Copper	170	1.0	mg/Kg wet	184		92.6	80.4-119.6	1.71	30	
Lead	87.2	1.5	mg/Kg wet	94.3		92.4	82.4-117.8	0.599	30	
Nickel	139	1.0	mg/Kg wet	154		90.3	82.2-117.8	2.69	30	
Selenium	177	10	mg/Kg wet	207		85.3	77.1-122.3	4.30	30	
Silver	40.0	1.0	mg/Kg wet	43.8		91.4	74.3-125.4	1.69	30	
Thallium	141	5.0	mg/Kg wet	167		84.6	78.2-121.6	1.99	30	
Vanadium	81.7	2.0	mg/Kg wet	100		81.7	64.8-135.2	1.26	30	
Zinc	196	2.0	mg/Kg wet	209		93.8	79.7-120.8	2.31	30	
MRL Check (B185527-MRL1)				Prepared: 09/05/17 Analyzed: 09/06/17						
Lead	0.901	0.75	mg/Kg wet	0.750		120	80-120			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B185325 - % Solids										
Duplicate (B185325-DUP3)		**Source: 17H1544-01**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	85.1		% Wt		87.8			3.12	20	
Duplicate (B185325-DUP4)		**Source: 17H1544-02**		Prepared: 08/31/17 Analyzed: 09/01/17						
% Solids	59.0		% Wt		60.2			2.01	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-26

Lab Sample ID: 17H1544-01

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.7	
	2	0.000	-0.030	0.030	1.7	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-27

Lab Sample ID: 17H1544-02

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.0	
	2	0.000	-0.030	0.030	4.9	2.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-28

Lab Sample ID: 17H1544-03

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.26	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-29

Lab Sample ID: 17H1544-04

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.40	
	2	0.000	-0.030	0.030	0.40	0.0
Aroclor-1268	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.13	26.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-30

Lab Sample ID: 17H1544-05

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.46	
	2	0.000	-0.030	0.030	0.43	6.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-31

Lab Sample ID: 17H1544-06

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	9.8	
	2	0.000	-0.030	0.030	9.2	6.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC3-SE-6

Lab Sample ID: 17H1544-07

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	7.5	
	2	0.000	-0.030	0.030	7.1	5.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-16

Lab Sample ID: 17H1544-08

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	2300	
	2	0.000	-0.030	0.030	2100	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-17

Lab Sample ID: 17H1544-09

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	14	
	2	0.000	-0.030	0.030	13	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AS-AOC8-SE-18

Lab Sample ID: 17H1544-10

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	5.7	
	2	0.000	-0.030	0.030	5.5	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-19

Lab Sample ID: 17H1544-11

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.5	
	2	0.000	-0.030	0.030	1.4	6.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-SE-24

Lab Sample ID: 17H1544-12

Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	0.32	
	2	0.000	-0.030	0.030	0.32	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-26

Lab Sample ID: 17H1544-13

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.96	
	2	0.000	0.000	0.000	1.1	13.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-27

Lab Sample ID: 17H1544-14

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.93	9.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-CO-29

Lab Sample ID: 17H1544-15

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.7	
	2	0.000	0.000	0.000	2.9	7.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-16

Lab Sample ID: 17H1544-16

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1700	
	2	0.000	0.000	0.000	1800	5.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-17

Lab Sample ID: 17H1544-17

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	1.9	
	2	0.000	0.000	0.000	1.7	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-18

Lab Sample ID: 17H1544-18

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	2.0	
	2	0.000	0.000	0.000	1.9	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC8-CO-19

Lab Sample ID: 17H1544-19

Date(s) Analyzed: 09/09/2017 09/09/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.74	
	2	0.000	0.000	0.000	0.79	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

WS-AOC13-SE-Dup1

Lab Sample ID: 17H1544-20 Date(s) Analyzed: 09/10/2017 09/10/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	-0.030	0.030	1.6	
	2	0.000	-0.030	0.030	1.5	6.5

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
MS-08	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-12	Elevated reporting limit due to matrix interference.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C-D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NY
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Acenaphthylene	CT,NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
4,6-Dinitro-2-methylphenol	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachloronitrobenzene	NY
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4,5-Tetrachlorobenzene	NY
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2018
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018
NC-DW	North Carolina Department of Health	25703	07/31/2018

17H1544

con-test ANALYTICAL LABORATORY

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http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soil/Lt)	TPH	RSR 15 Metals	SVOCs	VOCs	# of Containers	[2] Preservation Code	[3] Container Code
1	WS-AOC13-SE-26	8/29/17	0900		X	S	U	X	X	X	X	X			
2	WS-AOC13-SE-27	↓	0930		↓	↓	↓	X	X	X	X	X			
3	WS-AOC13-SE-28		0945					X	X	X	X	X			
4	WS-AOC13-SE-29		1000					X	X	X	X	X			
5	WS-AOC13-SE-30		1015					X	X	X	X	X			
6	WS-AOC13-SE-31		1030					X	X	X	X	X			
7	WS-AOC3-SE-6		1045					X	X	X	X	X			
8	WS-AOC8-SE-16		1200					X	X	X	X	X			
9	WS-AOC8-SE-17		1215					X	X	X	X	X			
10	WS-AOC8-SE-18	↓	1230		↓	↓	↓	X	X	X	X	X			

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1720
Relinquished by: (signature)	Date/Time: 8/29/17 530
Received by: (signature) 2-4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information 8/29/17 1730
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID #

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Weston & Sampson Engineers
Address:	273 Dividend Rd Rcoky Hill, CT
Phone:	860 513-1473
Project Name:	English Station
Project Location:	510 Grand Ave, New Haven, CT
Project Number:	2170495
Project Manager:	Malcolm Beeler
Con-Test Bid:	
Invoice Recipient:	Malcolm Beeler (Weston & Sampson)
Sampled By:	Chris Berthiaume/Will Sirotnak

Requested Turnaround Time
7-Day ☑ 10-Day ☐
Other: 5-day ☐

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: beelerm@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs (soxhlet)	ETPH	RCRA 15 metals	SVOCs	VOCs						# of Containers	[2] Preservation Code	[3] Container Code
11	WS-AOC8-SE-19	8/29/17	1245		X	S	U	X	X	X	X	X								
12	WS-AOC8-SE-24		1300		X	S	U	X	X	X	X	X								
13	WS-AOC13-Co-26		910			O		X												
14	WS-AOC13-Co-27		940					X												
15	WS-AOC13-Co-29		1005					X												
16	WS-AOC8-Co-16		1205					X												
17	WS-AOC8-Co-17		1220					X												
18	WS-AOC8-Co-18		1235					X												
19	WS-AOC8-Co-19		1250					X												
20	WS-AOC13-SE-Dup1		—			S		X	X	X	X	X								

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define) Concrete

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please hold excess volumes for possible SPLP analyses.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 8/29/17	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1505
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 8/29/17 1421
Relinquished by: (signature)	Date/Time: 8/29/17 5:24
Received by: (signature) 2.4	Date/Time: 8/29/17 1730

Detection Limit Requirements
MA
CT RES DEC
Other:

Program Information
8/29/17 1730
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By JM Date 8/29/17 Time 1730

How were the samples received? In Cooler T No Cooler ___ On Ice T No Ice ___
Direct from Sampling ___ Ambient ___ Melted Ice ___

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.4
By Blank # ___ Actual Temp - ___

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? N/A Who was notified? ___
Are there Rushes? N/A Who was notified? ___
Are there Short Holds? N/A Who was notified? ___
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? N/A
Proper Media/Containers Used? T Is splitting samples required? N/A
Were trip blanks received? N/A On COC? N/A
Do all samples have the proper pH? N/A Acid ___ Base ___

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	26
Meoh-	13	250 mL Amb.		250 mL Plastic		4oz Amb/Clear	7
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-	26	Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen: 8/29/17 1730	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

D:\HPCHEM\1\DATA\A090817\A0908004.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/8/17
Data File Name	A0908004.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.29	541174	590138	-8
c - 10	1.64	549205	590138	-7
c - 12	2.37	570790	590138	-3
c - 14	3.04	588545	590138	0
c - 16	3.65	606275	590138	3
c - 18	4.29	603163	590138	2
o-Terphenyl	4.57	671009	590138	
c - 20	4.89	614278	590138	4
c - 22	5.40	628020	590138	6
c - 24	5.83	588777	590138	0
c - 26	6.23	620968	590138	5
c - 28	6.59	612017	590138	4
c - 30	6.92	601286	590138	2
c - 32	7.24	579458	590138	-2
c - 34	7.53	575320	590138	-3
c - 36	7.87	572788	590138	-3

* One compound allowed %D <= 50%

Samples

17H1660-05@10X
17H1544-02@10X