



**CONESTOGA-ROVERS
& ASSOCIATES**

45 Farmington Valley Drive, Plainville, Connecticut
06062
Telephone: (860) 747-1800 Fax: (860) 747-1900
www.CRAworld.com

June 10, 2015

Reference No. 083167

Mr. Shawn C. Crosbie
Environmental Analyst
The United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Dear Mr. Crosbie:

Re: Baseline Environmental Assessment
Baird Substation Expansion
Stratford, Connecticut (Site)

1.0 INTRODUCTION

As requested by The United Illuminating Company (UI), Conestoga-Rovers & Associates, Inc. (CRA) is pleased to provide this summary of the Baseline Environmental Assessment conducted at the Baird Substation Expansion located at 1770 Stratford Avenue in Stratford, Connecticut (Site).

2.0 SCOPE OF WORK

The soil and groundwater sampling activities were conducted on May 4 through 11, 2015. The following paragraphs provide a summary of the sampling activities. A Site plan with the temporary well and soil boring sample locations are included as Figure 1.

Soil Borings

Fifteen soil borings (SB-2 through SB-16) were advanced to a maximum depth of approximately 40 feet below ground surface (ft bgs) by New England Boring Contractors (NEBC). Soils were logged in general accordance with the Unified Soil Classification System (USCS) and screened in the field using a photoionization detector (PID). Overburden soils consisted of brown and gray sand with gravel to a depth of approximately 12 ft bgs, at which bedrock was encountered. Bedrock was consistent with Oronoque Schist.

One soil sample was collected from each soil boring at the depths identified in Table 1. All soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), Extractable Total Petroleum Hydrocarbons (ETPH), Polychlorinated Biphenyls (PCBs), Total and Toxicity Characteristic Leaching Procedure (TCLP) Resource

Equal
Employment Opportunity
Employer

REGISTERED COMPANY FOR
ISO 9001
ENGINEERING DESIGN



Conservation and Recovery Act (RCRA) 8 metals, herbicides, and pesticides. Additionally, soil samples collected from borings SB-5, SB-7, SB-8, and SB-14 were analyzed for total and reactive cyanide, reactive sulfide, pH, flashpoint, and conductivity.

Temporary Well

Bedrock was encountered at 1.5 ft bgs at the original proposed temporary well location. The location was sampled as a shallow soil boring and abandoned, and the temporary well was relocated to the location of soil boring SB-8. Groundwater was first encountered at approximately 7 ft bgs and a temporary monitoring well (MW-1) was installed to a depth of 12 ft bgs by NEBC.

One grab groundwater sample was collected from SB-8/MW-1. The groundwater sample was analyzed for VOCs, SVOCs, oil and grease, PCBs, herbicides, pesticides, total RCRA 8 metals, total and amenable cyanide, total suspended solids, chloride, pH, and ammonia.

3.0 DATA EVALUATION

The analytical data resulting from the pre-characterization was evaluated to determine how the material would need to be managed. Pursuant to Connecticut Department of Energy and Environmental Protection (CTDEEP) policy on the management of contaminated environmental media, the soil and groundwater analytical data was evaluated relative to the criteria identified in Connecticut Remediation Standard Regulations 22a-133k-1 through 22a-133k-3 (RSRs). The laboratory analytical report is included in Attachment A.

Soil Evaluation

The soil analytical data was evaluated relative to direct exposure criteria for Industrial/Commercial sites (I/C DEC) and residential sites (Res DEC) and pollutant mobility criteria for areas classified as GA (GA PMC). A summary of detected results is provided in Table 1. Note that although the Site is located in a GB groundwater classification area, the soil results were evaluated relative to GA for purposes of determining an unrestricted use scenario.

As indicated in Table 1, nine SVOCs (benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene and pyrene) were detected above I/C DEC, Res DEC, and/or GA PMC in soil samples collected from soil borings SB-10 and SB-16. Benzo(a)anthracene, benzo(b)fluoranthene and chrysene were also detected above Res DEC and/or GA PMC in soil collected from boring SB-9. One SVOC, 3&4-methylphenol, was detected above GA PMC in soil collected from boring



SB-15. Lead was detected above GA PMC in soil samples collected from borings SB-6, SB-7, SB-15, and SB-16.

The soil collected from soil borings SB-5, SB-11, and SB-14 was affected by a release due to man-made constituents detected above analytical detection limits. The soil from these portions of the Site must be managed as polluted soil in accordance with RCSA 22a-133k-2(h) upon excavation.

All other constituents in soil were below RSR criteria.

Groundwater Evaluation

The groundwater analytical data was evaluated relative to surface water protection criteria (SWPC) and groundwater volatilization criteria for Industrial/Commercial sites (I/C GWVC) and residential sites (GWVC Res). In addition, the groundwater was also evaluated relative to groundwater protection criteria for areas classified as GA (GA GWPC). As previously noted, although the Site is located in a GB groundwater classification area, the groundwater results were evaluated relative to GWPC for purposes of determining an unrestricted use scenario. A summary of detected results is provided in Table 2.

As indicated in Table 2, one SVOC (bis(2-ethylhexyl)phthalate) was detected above GA GWPC in groundwater collected from MW-1. All other constituents in groundwater were below RSR criteria.

4.0 MANAGEMENT OPTIONS

Based on the analytical results, the soil and groundwater at the Site are NOT classified as hazardous waste as they are neither characteristically hazardous nor listed as hazardous waste. As such, it is not subject to Connecticut Hazardous Waste Management Regulations, but is potentially subject to certain management requirements under Connecticut General Statutes (CGS) Section 22a-454 and Regulations of State Agencies (RCSA) Section 22a-209 as discussed below.

Only naturally occurring substances were detected at or below background levels at soil borings SB-2, SB-3, SB-4, SB-8, SB-12, and SB-13. This soil is considered clean fill and can be managed without restriction.

Due to man-made constituents detected above analytical detection limits in the soil from SB-5, SB-11, and SB-14, the soil from these portions of the Site must be managed as polluted soil in accordance with RCSA 22a-133k-2(h) upon excavation.



**CONESTOGA-ROVERS
& ASSOCIATES**

June 10, 2015

4

Reference No. 083167

Additionally, the soil collected from SB-6, SB-7, SB-9, SB-10, SB-15, and SB-16 and groundwater collected from MW-1 does not meet RSR criteria and are therefore considered non-RCRA hazardous waste (Connecticut regulated waste designation CR04 [liquid] and CR05 [solid]). These materials must be managed properly upon excavation/removal and stored in an environmentally safe manner. Any mismanagement of non-RCRA hazardous waste may be a potential source of pollution and subject to enforcement action under Sections 22a-427 through 433 of the CGS. Note that such solid wastes (i.e., CR05 waste) do not have to be hauled by a permitted transporter, but they must be transported to a permitted storage treatment or disposal facility approved to accept such waste.

Please contact Jeff Lambert at (860) 747-1800 if you have any questions or comments.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Jeff Lambert, LEP, LSP, P.E.

JL/ab/15/CT

Encl.

TABLE 1

SOIL ANALYTICAL RESULTS SUMMARY
BAIRD SUBSTATION EXPANSION
STRATFORD, CONNECTICUT

Sample Location:	IC	Res	GA	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SB-11	SB-12	
Sample ID:	DEC	DEC	PMC	SO-83167-050515-SD-005	SO-83167-050515-SD-004	SO-83167-050615-SD-010	SO-83167-050715-SD-012	SO-83167-050715-SD-011	SO-83167-050615-SD-007	SO-83167-050415-SD-002	SO-83167-050515-SD-006	SO-83167-050815-SD-013	SO-83167-050615-SD-008	SO-83167-050615-SD-005	
Sample Date:				5/5/2015	5/5/2015	5/6/2015	5/7/2015	5/7/2015	5/6/2015	5/4/2015	5/5/2015	5/8/2015	5/5/2015	5/6/2015	
Sample Depth:				(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	
Parameters	Units	a	b	c											
VOCs															
1,1,1,2-Tetrachloroethane	ug/kg	220000	24000	20	4 U	4.5 U	3.9 U	3.7 U	2.2 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
1,1,1-Trichloroethane	ug/kg	1000000	500000	4000	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,1,2,2-Tetrachloroethane	ug/kg	29000	3100	10	0.99 U	1.1 U	0.97 U	0.93 U	1.1 U	1 U	1.2 U	1.1 U	0.89 U	1.1 U	0.98 U
1,1,2-Trichloroethane	ug/kg	100000	11000	100	4 U	4.5 U	3.9 U	3.7 U	2.2 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
1,1-Dichloroethane	ug/kg	1000000	500000	1400	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,1-Dichloroethene	ug/kg	9500	1000	140	4 U	4.5 U	3.9 U	3.7 U	2.2 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
1,1-Dichloropropene	ug/kg				4 U	4.5 U	3.9 U	3.7 U	2.2 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
1,2,3-Trichlorobenzene	ug/kg				2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,2,3-Trichloropropane	ug/kg				2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,2,4-Trichlorobenzene	ug/kg	2500000	680000	1400	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,2,4-Trimethylbenzene	ug/kg	1000000	500000	7000	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	4100	440		2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,2-Dibromoethane [Ethylene dibromide]	ug/kg	67	7	10	0.99 U	1.1 U	0.97 U	0.93 U	1.1 U	1 U	1.2 U	1.1 U	0.89 U	1.1 U	0.98 U
1,2-Dichlorobenzene	ug/kg	1000000	500000	3100	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,2-Dichloroethane	ug/kg	63000	6700	20	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,2-Dichloropropane	ug/kg	84000	9000	100	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,3,5-Trimethylbenzene	ug/kg	1000000	500000	7000	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,3-Dichlorobenzene	ug/kg	1000000	500000	12000	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
1,3-Dichloropropane	ug/kg				0.99 U	1.1 U	0.97 U	0.93 U	1.1 U	1 U	1.2 U	1.1 U	0.89 U	1.1 U	0.98 U
1,4-Dichlorobenzene	ug/kg	240000	26000	1500	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
2,2-Dichloropropane	ug/kg				4 U	4.5 U	3.9 U	3.7 U	2.2 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	1000000	500000	8000	40 U	45 U	39 U	37 U	45 U	40 U	50 U	42 U	35 U	44 U	39 U
2-Chlorotoluene	ug/kg	1000000	500000		2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
2-Hexanone	ug/kg				20 U	22 U	19 U	19 U	20 U	20 U	25 U	21 U	18 U	22 U	20 U
2-Phenylbutane (sec-Butylbenzene)	ug/kg	1000000	500000		2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
4-Chlorotoluene	ug/kg	1000000	500000		2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	1000000	500000	7000	20 U	22 U	19 U	19 U	22 U	20 U	25 U	21 U	18 U	22 U	20 U
Acetone	ug/kg	1000000	500000	14000	99 U	110 U	97 U	93 U	110 U	100 U	120 U	89 U	110 U	98 U	98 U
Acrylonitrile	ug/kg	11000	1100	10	5.9 U	6.7 U	5.8 U	5.6 U	6.7 U	6 U	7.4 U	6.3 U	5.3 U	6.5 U	5.9 U
Benzene	ug/kg	200000	21000	20	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Bromobenzene	ug/kg				2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Bromodichloromethane	ug/kg	92000	9900	11	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Bromoform	ug/kg	720000	78000	80	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Bromomethane (Methyl bromide)	ug/kg	1000000	500000	200	9.9 U	11 U	9.7 U	9.3 U	11 U	10 U	12 U	11 U	8.9 U	11 U	9.8 U
Carbon disulfide	ug/kg	1000000	500000	14000	40 U	45 U	39 U	37 U	45 U	40 U	50 U	42 U	35 U	44 U	39 U
Carbon tetrachloride	ug/kg	44000	4700	100	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Chlorobenzene	ug/kg	1000000	500000	2000	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Chloroethane	ug/kg				20 U	22 U	19 U	19 U	22 U	20 U	25 U	21 U	18 U	22 U	20 U
Chloroform (Trichloromethane)	ug/kg	940000	100000	120	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
Chloromethane (Methyl chloride)	ug/kg	440000	47000	54	9.9 U	11 U	9.7 U	9.3 U	11 U	10 U	12 U	11 U	8.9 U	11 U	9.8 U
cis-1,2-Dichloroethene	ug/kg	1000000	500000	1400	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
cis-1,3-Dichloropropene	ug/kg	32000	3400	10	0.99 U	1.1 U	0.97 U	0.93 U	1.1 U	1 U	1.2 U	1.1 U	0.89 U	1.1 U	0.98 U
Cymene (p-Isopropyltoluene)	ug/kg				2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Dibromochloromethane	ug/kg	68000	7300	10	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
Dibromomethane	ug/kg				2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Dichlorodifluoromethane (CFC-12)	ug/kg				20 U	22 U	19 U	19 U	22 U	20 U	25 U	21 U	18 U	22 U	20 U
Ethylbenzene	ug/kg	1000000	500000	10100	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Hexachlorobutadiene	ug/kg	73000	7900	1000	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Isopropyl benzene	ug/kg	1000000	500000	600	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
m&p-Xylenes	ug/kg				4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
Methyl tert butyl ether (MTBE)	ug/kg	1000000	500000	2000	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
Methylene chloride	ug/kg	760000	82000	100	20 U	22 U	19 U	19 U	22 U	20 U	25 U	21 U	18 U	22 U	20 U
Naphthalene	ug/kg	2500000	1000000	5600	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
N-Butylbenzene	ug/kg	1000000	500000	1400	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
N-Propylbenzene	ug/kg	1000000	500000	1400	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
o-Xylene	ug/kg				2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Styrene	ug/kg	1000000	500000	2000	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
tert-Butylbenzene	ug/kg	1000000	500000	1400	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
Tetrachloroethene	ug/kg	110000	12000	100	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
Tetrahydrofuran	ug/kg				9.9 U	11 U	9.7 U	9.3 U	11 U	10 U	12 U	11 U	8.9 U	11 U	9.8 U
Toluene	ug/kg	1000000	500000	20000	2 U	2.2 U	1.9 U	1.9 U	2.2 U	2 U	2.5 U	2.1 U	1.8 U	2.2 U	2 U
trans-1,2-Dichloroethene	ug/kg	1000000	500000	2000	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
trans-1,3-Dichloropropene	ug/kg	32000	3400	10	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
trans-1,4-Dichloro-2-butene	ug/kg				4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
Trichloroethene	ug/kg	520000	56000	100	4 U	4.5 U	3.9 U	3.7 U	4.5 U	4 U	5 U	4.2 U	3.5 U	4.4 U	3.9 U
Trichlorofluoromethane (CFC-11)	ug/kg	1000000	500000	26000	9.9 U	11 U	9.7 U	9.3 U	11 U	10 U	12 U	11 U	8.9 U	11 U	9.8 U
Trifluorotrichloroethane (Freon 113)	ug/kg				9.9 U	11 U	9.7 U	9.3 U	11 U	10 U	12 U	11 U	8.9 U	11 U	9.8 U
Vinyl chloride	ug/kg	3000	320	40	9.9 U	11 U	9.7 U	9.3 U	11 U	10 U	12 U	11 U	8.9 U	11 U	9.8 U
SVOCs															
1,2,4,5-Tetrachlorobenzene	ug/kg		20000		390 U	370 U	390 U	380 U	370 U	400 U	400 U	370 U	1900 U / 380 U	400 U	380 U
1,2,4-Trichlorobenzene	ug/kg	2500000	680000	1400	390 U	370 U	390 U	380 U	370 U	400 U	400 U	370 U	380 U / 1900 U	400 U	380 U
2,2'-Oxybis(2-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg				390 U	370 U	390 U	380 U	370 U	400 U	400 U	370 U	380 U / 1900 U	400 U	380 U
2,4,5-Trichlorophenol	ug/kg	2500000	1000000	14000	390 U	370 U	390 U	380 U	370 U	400 U	400 U	370 U	1900 U / 380 U	400 U	380 U
2,4,6-Trichlorophenol	ug/kg	520000	56000	1000	390 U	370 U	390 U	380 U	370 U	400 U	400 U	370 U	380 U / 1900 U	400 U	380 U
2,4-Dichlorophenol	ug/kg		203000		390 U	370 U	390 U	380 U	370 U	400 U	400 U	370 U	380 U / 1900 U	400 U	380 U
2,4-Dimethylphenol	ug/kg	2500000	1000000	2800	390 U	370 U	390 U	380 U	370 U	400 U	400 U	370 U	1900 U / 380 U	400 U	380 U
2,4-Dinitrophenol	ug/kg	2500000	140000	1650	750 U	720 U	750 U	730 U	730 U	780 U	780 U	730 U	750 U / 3700 U	770 U	730 U

TABLE 1

SOIL ANALYTICAL RESULTS SUMMARY
BAIRD SUBSTATION EXPANSION
STRATFORD, CONNECTICUT

Sample Location:	IC	Res	GA	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SB-11	SB-12
Sample ID:	DEC	DEC	PMC	SO-83167-050515-SD-005	SO-83167-050515-SD-004	SO-83167-050615-SD-010	SO-83167-050715-SD-012	SO-83167-050715-SD-011	SO-83167-050615-SD-007	SO-83167-050415-SD-002	SO-83167-050515-SD-006	SO-83167-050815-SD-013	SO-83167-050615-SD-008	SO-83167-050615-SD-005
Sample Date:				5/5/2015	5/5/2015	5/6/2015	5/7/2015	5/7/2015	5/6/2015	5/4/2015	5/5/2015	5/6/2015	5/6/2015	5/6/2015
Sample Depth:				(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS	(0-7) ft BGS
Parameters	Units	a	b	c										
Lead	mg/L			0.015	0.01 U	0.01 U	0.01 U	0.01 U	0.23 ^c	0.02 ^c	0.012	0.01 U	0.01 U	0.01 U
Mercury	mg/L			0.002	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Selenium	mg/L			0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver	mg/L			0.036	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
PCBs														
Aroclor-1016 (PCB-1016)	mg/kg				0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Aroclor-1221 (PCB-1221)	mg/kg				0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Aroclor-1232 (PCB-1232)	mg/kg				0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Aroclor-1242 (PCB-1242)	mg/kg				0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Aroclor-1248 (PCB-1248)	mg/kg				0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Aroclor-1254 (PCB-1254)	mg/kg				0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Aroclor-1260 (PCB-1260)	mg/kg				0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Aroclor-1262 (PCB-1262)	mg/kg				0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Aroclor-1268 (PCB-1268)	mg/kg				0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Total PCBs	mg/kg	10	1											
Pesticides														
4,4'-DDD	mg/kg	24	2.6		0.0046 U	0.0044 U	0.0045 U	0.021 U	0.0042 U	0.023 U	0.0048 U	0.0044 U	0.0045 U	0.0049 U
4,4'-DDE	mg/kg	17	1.8		0.0046 U	0.0044 U	0.0045 U	0.021 U	0.0042 U	0.023 U	0.0048 U	0.0044 U	0.0045 U	0.0049 U
4,4'-DDT	mg/kg	17	1.8		0.0046 U	0.0044 U	0.0045 U	0.021 U	0.0042 U	0.023 U	0.0048 U	0.0044 U	0.0045 U	0.0049 U
Alachlor	mg/kg	72	7.7	0.23	0.023 U	0.022 U	0.023 U	0.11 U	0.021 U	0.11 U	0.024 U	0.022 U	0.024 U	0.021 U
Aldrin	mg/kg	0.34	0.036		0.0058 U	0.0055 U	0.0057 U	0.027 U	0.0052 U	0.028 U	0.006 U	0.0055 U	0.0056 U	0.0061 U
alpha-BHC	mg/kg	0.91	0.097		0.0058 U	0.0055 U	0.0057 U	0.027 U	0.0052 U	0.028 U	0.006 U	0.0055 U	0.0056 U	0.0061 U
beta-BHC	mg/kg	3.2	0.34		0.0058 U	0.0055 U	0.0057 U	0.027 U	0.0052 U	0.028 U	0.006 U	0.0055 U	0.0056 U	0.0061 U
Chlordane	mg/kg	2.2	0.49	0.066	0.023 U	0.022 U	0.023 U	0.11 U	0.021 U	0.11 U	0.024 U	0.022 U	0.024 U	0.021 U
delta-BHC	mg/kg	0.91	0.097		0.0058 U	0.0055 U	0.0057 U	0.027 U	0.0052 U	0.028 U	0.006 U	0.0055 U	0.0056 U	0.0061 U
Dieldrin	mg/kg	0.36	0.038	0.007	0.0046 U	0.0044 U	0.0045 U	0.021 U	0.0042 U	0.023 U	0.0048 U	0.0044 U	0.0045 U	0.0049 U
Endosulfan I	mg/kg	1200	410	0.84	0.0058 U	0.0055 U	0.0057 U	0.027 U	0.0052 U	0.028 U	0.006 U	0.0055 U	0.0056 U	0.0061 U
Endosulfan II	mg/kg	1200	410	0.84	0.0092 U	0.0088 U	0.0091 U	0.043 U	0.0084 U	0.045 U	0.0096 U	0.0088 U	0.009 U	0.0097 U
Endosulfan sulfate	mg/kg	1200	410	0.84	0.0092 U	0.0088 U	0.0091 U	0.043 U	0.0084 U	0.045 U	0.0096 U	0.0088 U	0.009 U	0.0097 U
Endrin	mg/kg	610	20		0.0092 U	0.0088 U	0.0091 U	0.043 U	0.0084 U	0.045 U	0.0096 U	0.0088 U	0.009 U	0.0097 U
Endrin aldehyde	mg/kg	610	20		0.0092 U	0.0088 U	0.0091 U	0.043 U	0.0084 U	0.045 U	0.0096 U	0.0088 U	0.009 U	0.0097 U
Endrin ketone	mg/kg	610	20		0.0092 U	0.0088 U	0.0091 U	0.043 U	0.0084 U	0.045 U	0.0096 U	0.0088 U	0.009 U	0.0097 U
gamma-BHC (lindane)	mg/kg	610	20	0.02	0.0023 U	0.0022 U	0.0023 U	0.011 U	0.0021 U	0.011 U	0.0024 U	0.0022 U	0.0024 U	0.0021 U
Heptachlor	mg/kg	1.3	0.14	0.013	0.0058 U	0.0055 U	0.0057 U	0.027 U	0.0052 U	0.028 U	0.006 U	0.0055 U	0.0056 U	0.0061 U
Heptachlor epoxide	mg/kg	0.63	0.067	0.02	0.0058 U	0.0055 U	0.0057 U	0.027 U	0.0052 U	0.028 U	0.006 U	0.0055 U	0.0056 U	0.0061 U
Hexachlorobenzene	mg/kg	3.6	1	1	0.0069 U	0.0066 U	0.0068 U	0.032 U	0.0063 U	0.034 U	0.0072 U	0.0066 U	0.0067 U	0.0073 U
Methoxychlor	mg/kg	10000	340	0.8	0.058 U	0.055 U	0.057 U	0.27 U	0.052 U	0.28 U	0.06 U	0.056 U	0.061 U	0.053 U
Toxaphene	mg/kg	5.2	0.56	0.33	0.12 U	0.11 U	0.11 U	0.53 U	0.1 U	0.56 U	0.12 U	0.11 U	0.11 U	0.12 U
Herbicides														
2,4,5-T	mg/kg				0.0029 U	0.0027 U	0.0029 U	0.0027 U	0.0028 U	0.003 U	0.003 U	0.0027 U	0.0028 U	0.003 U
2,4,5-TP (Silvex)	mg/kg				0.0029 U	0.0027 U	0.0029 U	0.0027 U	0.0028 U	0.003 U	0.003 U	0.0027 U	0.0028 U	0.003 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	20000	680	1.4	0.029 U	0.027 U	0.029 U	0.027 U	0.028 U	0.03 U	0.03 U	0.027 U	0.028 U	0.03 U
Dalapon	mg/kg				0.071 U	0.069 U	0.072 U	0.068 U	0.069 U	0.074 U	0.074 U	0.068 U	0.07 U	0.076 U
Dicamba	mg/kg				0.0029 U	0.0027 U	0.0029 U	0.0027 U	0.0028 U	0.003 U	0.003 U	0.0027 U	0.0028 U	0.003 U
Total Petroleum Hydrocarbons														
Total Petroleum Hydrocarbons	mg/kg	2500	500	500	11 U	11 U	11 U	62	51	320	12 U	42	490	12 U
General Chemistry														
Conductance, specific	umhos/cm				--	--	--	3.9	--	5.5	2.6	--	--	--
Cyanide (total)	mg/kg	41000	1400	4	--	--	--	0.47 U	--	0.45 U	0.51 U	--	--	--
Flash point (closed cup)	Deg F				--	--	--	--	--	--	--	--	--	--
pH, lab	s.u.				--	--	--	4.6	--	7.6	6.2	--	--	--
Reactive cyanide	mg/kg				--	--	--	4 U	--	4 U	4 U	--	--	--
Reactive sulfide	mg/kg				--	--	--	20 U	--	20 U	20 U	--	--	--

Footnotes:
Data compared to Remediation Standard Regulations (June 27, 2013), inclusive of Additional Polluting Substance:
I/C DEC - Industrial/Commercial Direct Exposure Criteria
Res DEC - Residential Direct Exposure Criteria
GA PMC - Pollutant Mobility Criteria for areas classified GA
U - Not detected at the associated reporting limit.

TABLE 1

SOIL ANALYTICAL RESULTS SUMMARY
BAIRD SUBSTATION EXPANSION
STRATFORD, CONNECTICUT

Sample Location:					
Sample ID:	SB-13	SB-14	SB-15	SB-16	
Sample Date:	SO-83167-050415-SD-001	SO-83167-051115-SD-016	SO-83167-050515-SD-003	SO-83167-051115-SD-015	
Sample Depth:	5/4/2015	5/11/2015	5/5/2015	5/11/2015	
	(0-7) ft BGS	(0-7) ft BGS	(0-1.5) ft BGS	(0-7) ft BGS	
Parameters					
VOCs					
1,1,1,2-Tetrachloroethane	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
1,1,1-Trichloroethane	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,1,2,2-Tetrachloroethane	ug/kg	1.1 U	1 U	1.4 U	0.86 U
1,1,2-Trichloroethane	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
1,1-Dichloroethane	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,1-Dichloroethene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
1,1-Dichloropropene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
1,2,3-Trichlorobenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,2,3-Trichloropropane	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,2,4-Trichlorobenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,2,4-Trimethylbenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,2-Dibromoethane (Ethylene dibromide)	ug/kg	1.1 U	1 U	1.4 U	0.86 U
1,2-Dichlorobenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,2-Dichloroethane	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,2-Dichloropropane	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,3,5-Trimethylbenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,3-Dichlorobenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
1,3-Dichloropropane	ug/kg	1.1 U	1 U	1.4 U	0.86 U
1,4-Dichlorobenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
2,2-Dichloropropane	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/kg	42 U	42 U	57 U	35 U
2-Chlorotoluene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
2-Hexanone	ug/kg	21 U	21 U	28 U	17 U
2-Phenylbutane (sec-Butylbenzene)	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
4-Chlorotoluene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/kg	21 U	21 U	28 U	17 U
Acetone	ug/kg	110 U	100 U	140 U	86 U
Acrylonitrile	ug/kg	6.3 U	6.3 U	8.5 U	5.2 U
Benzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Bromobenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Bromodichloromethane	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Bromoform	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Bromomethane (Methyl bromide)	ug/kg	11 U	10 U	14 U	8.6 U
Carbon disulfide	ug/kg	42 U	42 U	57 U	35 U
Carbon tetrachloride	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Chlorobenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Chloroethane	ug/kg	21 U	21 U	28 U	17 U
Chloroform (Trichloromethane)	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
Chloromethane (Methyl chloride)	ug/kg	11 U	10 U	14 U	8.6 U
cis-1,2-Dichloroethene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
cis-1,3-Dichloropropene	ug/kg	1.1 U	1 U	1.4 U	0.86 U
Cymene (p-Isopropyltoluene)	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Dibromochloromethane	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
Dibromomethane	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Dichlorodifluoromethane (CFC-12)	ug/kg	21 U	21 U	28 U	17 U
Ethylbenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Hexachlorobutadiene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Isopropyl benzene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
m&p-Xylenes	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
Methyl tert butyl ether (MTBE)	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
Methylene chloride	ug/kg	21 U	21 U	28 U	17 U
Naphthalene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
N-Butylbenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
N-Propylbenzene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
o-Xylene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Styrene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
tert-Butylbenzene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
Tetrachloroethene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
Tetrahydrofuran	ug/kg	11 U	10 U	14 U	8.6 U
Toluene	ug/kg	2.1 U	2.1 U	2.8 U	1.7 U
trans-1,2-Dichloroethene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
trans-1,3-Dichloropropene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
trans-1,4-Dichloro-2-butene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
Trichloroethene	ug/kg	4.2 U	4.2 U	5.7 U	3.5 U
Trichlorofluoromethane (CFC-11)	ug/kg	11 U	10 U	14 U	8.6 U
Trifluorotrichloroethane (Freon 113)	ug/kg	11 U	10 U	14 U	8.6 U
Vinyl chloride	ug/kg	11 U	10 U	14 U	8.6 U
SVOCs					
1,2,4,5-Tetrachlorobenzene	ug/kg	390 U	360 U	490 U	400 U / 1600 U
1,2,4-Trichlorobenzene	ug/kg	390 U	360 U	490 U	400 U / 1600 U
2,2'-Oxybis(2-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/kg	390 U	360 U	490 U	400 U / 1600 U
2,4,5-Trichlorophenol	ug/kg	390 U	360 U	490 U	1600 U / 400 U
2,4,6-Trichlorophenol	ug/kg	390 U	360 U	490 U	1600 U / 400 U
2,4-Dichlorophenol	ug/kg	390 U	360 U	490 U	400 U / 1600 U
2,4-Dimethylphenol	ug/kg	390 U	360 U	490 U	1600 U / 400 U
2,4-Dinitrophenol	ug/kg	760 U	700 U	940 U	770 U / 3100 U

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
BAIRD SUBSTATION EXPANSION
STRATFORD, CONNECTICUT

Sample Location:	SB-13	SB-14	SB-15	SB-16
Sample ID:	SO-83167-050415-SD-001	SO-83167-051115-SD-016	SO-83167-050515-SD-003	SO-83167-051115-SD-015
Sample Date:	5/4/2015	5/11/2015	5/5/2015	5/11/2015
Sample Depth:	(0-7) ft BGS	(0-7) ft BGS	(0-1.5) ft BGS	(0-7) ft BGS
Parameters	Units			
2,4-Dinitrotoluene	ug/kg	390 U	360 U	490 U
2,6-Dinitrotoluene	ug/kg	390 U	360 U	490 U
2-Chloronaphthalene	ug/kg	390 U	360 U	490 U
2-Chlorophenol	ug/kg	390 U	360 U	490 U
2-Methylnaphthalene	ug/kg	200 U	180 U	350
2-Methylphenol	ug/kg	390 U	360 U	490 U
2-Nitroaniline	ug/kg	390 U	360 U	490 U
2-Nitrophenol	ug/kg	390 U	360 U	490 U
3&4-Methylphenol	ug/kg	390 U	360 U	1300 ^f
3,3'-Dichlorobenzidine	ug/kg	200 U	180 U	240 U
3-Nitroaniline	ug/kg	390 U	360 U	490 U
4,6-Dinitro-2-methylphenol	ug/kg	390 U	360 U	490 U
4-Bromophenyl phenyl ether	ug/kg	390 U	360 U	490 U
4-Chloro-3-methylphenol	ug/kg	760 U	700 U	940 U
4-Chloroaniline	ug/kg	760 U	700 U	940 U
4-Chlorophenyl phenyl ether	ug/kg	390 U	360 U	490 U
4-Nitroaniline	ug/kg	390 U	360 U	490 U
4-Nitrophenol	ug/kg	760 U	700 U	940 U
Acenaphthene	ug/kg	200 U	180 U	240 U
Acenaphthylene	ug/kg	200 U	180 U	240 U
Acetophenone	ug/kg	--	360 U	--
Aniline	ug/kg	390 U	360 U	490 U
Anthracene	ug/kg	200 U	180 U	240 U
Benidine	ug/kg	--	700 U	--
Benzo(a)anthracene	ug/kg	200 U	180 U	240 U
Benzo(a)pyrene	ug/kg	200 U	180 U	240 U
Benzo(b)fluoranthene	ug/kg	200 U	180 U	240 U
Benzo(g,h,i)perylene	ug/kg	200 U	180 U	240 U
Benzo(k)fluoranthene	ug/kg	200 U	180 U	240 U
Benzoic acid	ug/kg	--	1100 U	--
bis(2-Chloroethoxy)methane	ug/kg	390 U	360 U	490 U
bis(2-Chloroethyl)ether	ug/kg	390 U	360 U	490 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/kg	390 U	360 U	490 U
Butyl benzylphthalate (BBP)	ug/kg	390 U	360 U	490 U
Carbazole	ug/kg	200 U	180 U	240 U
Chrysene	ug/kg	200 U	180 U	240 U
Dibenz(a,h)anthracene	ug/kg	200 U	180 U	240 U
Dibenzofuran	ug/kg	390 U	360 U	490 U
Diethyl phthalate	ug/kg	390 U	360 U	490 U
Dimethyl phthalate	ug/kg	390 U	360 U	490 U
Di-n-butylphthalate (DBP)	ug/kg	390 U	360 U	490 U
Di-n-octyl phthalate (DnOP)	ug/kg	390 U	360 U	490 U
Fluoranthene	ug/kg	200 U	180 U	240 U
Fluorene	ug/kg	200 U	180 U	240 U
Hexachlorobenzene	ug/kg	390 U	360 U	490 U
Hexachlorobutadiene	ug/kg	390 U	360 U	490 U
Hexachlorocyclopentadiene	ug/kg	390 U	360 U	490 U
Hexachloroethane	ug/kg	390 U	360 U	490 U
Indeno(1,2,3-cd)pyrene	ug/kg	200 U	180 U	240 U
Isophorone	ug/kg	390 U	360 U	490 U
Naphthalene	ug/kg	200 U	180 U	250
Nitrobenzene	ug/kg	390 U	360 U	490 U
N-Nitrosodimethylamine	ug/kg	--	360 U	--
N-Nitrosodi-n-propylamine	ug/kg	390 U	360 U	490 U
N-Nitrosodiphenylamine	ug/kg	390 U	360 U	490 U
Pentachloronitrobenzene	ug/kg	390 U	360 U	490 U
Pentachlorophenol	ug/kg	390 U	360 U	490 U
Phenanthrene	ug/kg	200 U	180 U	440
Phenol	ug/kg	390 U	360 U	490 U
Pyrene	ug/kg	200 U	190	240 U
Pyridine	ug/kg	390 U	360 U	490 U
Total Metals				
Arsenic	mg/kg	2.8 U	2.7 U	5
Barium	mg/kg	37	15	73
Cadmium	mg/kg	0.28 U	0.27 U	0.48
Chromium	mg/kg	9.8	5	14
Lead	mg/kg	3	7	87
Mercury	mg/kg	0.028 U	0.027 U	1
Selenium	mg/kg	5.7 U	5.4 U	7.1 U
Silver	mg/kg	0.57 U	0.54 U	0.71 U
TCLP Metals				
Arsenic	mg/L	0.01 U	0.01 U	0.01 U
Barium	mg/L	0.13	0.079	0.11
Cadmium	mg/L	0.004 U	0.004 U	0.004 U
Chromium	mg/L	0.01 U	0.01 U	0.01 U

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
BAIRD SUBSTATION EXPANSION
STRATFORD, CONNECTICUT

Sample Location:		SB-13	SB-14	SB-15	SB-16
Sample ID:		SO-83167-050415-SD-001	SO-83167-051115-SD-016	SO-83167-050515-SD-003	SO-83167-051115-SD-015
Sample Date:		5/4/2015	5/11/2015	5/5/2015	5/11/2015
Sample Depth:		(0-7) ft BGS	(0-7) ft BGS	(0-1.5) ft BGS	(0-7) ft BGS
Parameters	Units				
Lead	mg/L	0.01 U	0.01 U	0.021 ^c	0.043 ^c
Mercury	mg/L	0.0001 U	0.0001 U	0.00024	0.0001 U
Selenium	mg/L	0.05 U	0.05 U	0.05 U	0.05 U
Silver	mg/L	0.005 U	0.005 U	0.005 U	0.005 U
PCBs					
Aroclor-1016 (PCB-1016)	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Aroclor-1221 (PCB-1221)	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Aroclor-1232 (PCB-1232)	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Aroclor-1242 (PCB-1242)	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Aroclor-1248 (PCB-1248)	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Aroclor-1254 (PCB-1254)	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Aroclor-1260 (PCB-1260)	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Aroclor-1262 (PCB-1262)	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Aroclor-1268 (PCB-1268)	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Total PCBs	mg/kg				
Pesticides					
4,4'-DDD	mg/kg	0.0046 U	0.0044 U	0.0057 U	0.0045 U
4,4'-DDE	mg/kg	0.0046 U	0.0044 U	0.0057 U	0.0045 U
4,4'-DDT	mg/kg	0.0046 U	0.0044 U	0.0057 U	0.0091
Alachlor	mg/kg	0.023 U	0.022 U	0.029 U	0.022 U
Aldrin	mg/kg	0.0057 U	0.0055 U	0.0071 U	0.0056 U
alpha-BHC	mg/kg	0.0057 U	0.0055 U	0.0071 U	0.0056 U
beta-BHC	mg/kg	0.0057 U	0.0055 U	0.0071 U	0.0056 U
Chlordane	mg/kg	0.023 U	0.022 U	0.029 U	0.022 U
delta-BHC	mg/kg	0.0057 U	0.0055 U	0.0071 U	0.0056 U
Dieldrin	mg/kg	0.0046 U	0.0044 U	0.0057 U	0.0045 U
Endosulfan I	mg/kg	0.0057 U	0.0055 U	0.0071 U	0.0056 U
Endosulfan II	mg/kg	0.0091 U	0.0088 U	0.011 U	0.009 U
Endosulfan sulfate	mg/kg	0.0091 U	0.0088 U	0.011 U	0.009 U
Endrin	mg/kg	0.0091 U	0.0088 U	0.011 U	0.009 U
Endrin aldehyde	mg/kg	0.0091 U	0.0088 U	0.011 U	0.009 U
Endrin ketone	mg/kg	0.0091 U	0.0088 U	0.011 U	0.009 U
gamma-BHC (lindane)	mg/kg	0.0023 U	0.0022 U	0.0029 U	0.0022 U
Heptachlor	mg/kg	0.0057 U	0.0055 U	0.0071 U	0.0056 U
Heptachlor epoxide	mg/kg	0.0057 U	0.0055 U	0.0071 U	0.0056 U
Hexachlorobenzene	mg/kg	0.0068 U	0.0066 U	0.0086 U	0.0067 U
Methoxychlor	mg/kg	0.057 U	0.055 U	0.071 U	0.056 U
Toxaphene	mg/kg	0.11 U	0.11 U	0.14 U	0.11 U
Herbicides					
2,4,5-T	mg/kg	0.0029 U	0.0028 U	0.0035 U	0.003 U
2,4,5-TP (Silvex)	mg/kg	0.0029 U	0.0028 U	0.0035 U	0.003 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.029 U	0.028 U	0.035 U	0.03 U
Dalapon	mg/kg	0.072 U	0.069 U	0.088 U	0.075 U
Dicamba	mg/kg	0.0029 U	0.0028 U	0.0035 U	0.003 U
Total Petroleum Hydrocarbons					
Total Petroleum Hydrocarbons	mg/kg	12 U	15	44 / 67	280
General Chemistry					
Conductance, specific	umhos/cm	--	2.8	--	--
Cyanide (total)	mg/kg	--	0.39 U	--	--
Flash point (closed cup)	Deg F	--	--	--	--
pH, lab	s.u.	--	5.8	--	--
Reactive cyanide	mg/kg	--	4 U	--	--
Reactive sulfide	mg/kg	--	20 U	--	--

Footnotes:
Data compared to Remediation Standard Regulations (June 27, 2013), inclusive o
I/C DEC - Industrial/Commercial Direct Exposure Criteria
Res DEC - Residential Direct Exposure Criteria
GA PMC - Pollutant Mobility Criteria for areas classified GA
U - Not detected at the associated reporting limit.

GROUNDWATER ANALYTICAL RESULTS SUMMARY
BAIRD SUBSTATION EXPANSION
STRATFORD, CONNECTICUT

Sample Location:

Sample ID:

Sample Date:

MW-1

GW-83167-050815-SD-001

5/8/2015

Parameters	Units	GWPC	SWPC	IC	Res	
		a	b	c	d	
VOCs						
1,1,1,2-Tetrachloroethane	ug/L	1		50	12	0.5 U
1,1,1-Trichloroethane	ug/L	200	62000	50000	20400	0.5 U
1,1,2,2-Tetrachloroethane	ug/L	0.5	110	100	23	0.5 U
1,1,2-Trichloroethane	ug/L	5	1260	19600	8000	0.5 U
1,1-Dichloroethane	ug/L	70		50000	34600	0.5 U
1,1-Dichloroethene	ug/L	7	96	6	1	0.5 U
1,1-Dichloropropene	ug/L					0.5 U
1,2,3-Trichlorobenzene	ug/L					0.5 U
1,2,3-Trichloropropane	ug/L					0.5 U
1,2,4-Trichlorobenzene	ug/L	70				5 U
1,2,4-Trimethylbenzene	ug/L	350				0.5 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L					0.5 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.05			4	0.5 U
1,2-Dichlorobenzene	ug/L	600	170000	50000	30500	0.5 U
1,2-Dichloroethane	ug/L	1	2970	90	21	0.5 U
1,2-Dichloropropane	ug/L	5		60	14	0.5 U
1,3,5-Trimethylbenzene	ug/L	350				0.5 U
1,3-Dichlorobenzene	ug/L	600	26000	50000	24200	0.5 U
1,3-Dichloropropane	ug/L					0.5 U
1,4-Dichlorobenzene	ug/L	75	26000	50000	50000	0.5 U
2,2-Dichloropropane	ug/L					0.5 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	400		50000	50000	5 U
2-Chlorotoluene	ug/L					0.5 U
2-Hexanone	ug/L					5 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	61				1 U
4-Chlorotoluene	ug/L					0.5 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	350		50000	50000	5 U
Acetone	ug/L	700		50000	50000	5 U
Acrylonitrile	ug/L	0.5	20			2 U
Benzene	ug/L	1	710	530	215	0.5 U
Bromobenzene	ug/L					0.5 U
Bromodichloromethane	ug/L	0.56				0.5 U
Bromoform	ug/L	4	10800	3800	920	0.5 U
Bromomethane (Methyl bromide)	ug/L	9.8				1 U
Carbon disulfide	ug/L	700				5 U
Carbon tetrachloride	ug/L	5	132	40	16	0.5 U
Chlorobenzene	ug/L	100	420000	6150	1800	0.5 U
Chloroethane	ug/L					0.5 U
Chloroform (Trichloromethane)	ug/L	6	14100	710	287	0.5 U
Chloromethane (Methyl chloride)	ug/L	2.7				0.5 U
cis-1,2-Dichloroethene	ug/L	70				0.5 U
cis-1,3-Dichloropropene	ug/L	0.5	34000	25		0.5 U
Cymene (p-Isopropyltoluene)	ug/L	30				0.5 U
Dibromochloromethane	ug/L	0.5	1020			0.5 U
Dibromomethane	ug/L					0.5 U
Dichlorodifluoromethane (CFC-12)	ug/L					0.5 U
Ethylbenzene	ug/L	700	580000	50000	50000	0.5 U
Hexachlorobutadiene	ug/L	0.45				2 U
Isopropyl benzene	ug/L	30				0.5 U
m&p-Xylenes	ug/L	530		50000	21300	2 U
Methyl tert butyl ether (MTBE)	ug/L	100		50000	50000	0.5 U
Methylene chloride	ug/L	5	48000	50000	50000	5 U
Naphthalene	ug/L	280				2 U
N-Butylbenzene	ug/L	61				1 U
N-Propylbenzene	ug/L	61				1 U
o-Xylene	ug/L	530		50000	21300	1 U
Styrene	ug/L	100		2065	580	1 U
tert-Butylbenzene	ug/L	61				1 U
Tetrachloroethene	ug/L	5	88	3820	1500	1 U
Tetrahydrofuran	ug/L					10 U
Toluene	ug/L	1000	4000000	50000	23500	1 U
trans-1,2-Dichloroethene	ug/L	100				1 U
trans-1,3-Dichloropropene	ug/L	0.5	34000	25	6	0.5 U
trans-1,4-Dichloro-2-butene	ug/L					2 U
Trichloroethene	ug/L	5	2340	540	219	1 U
Trichlorofluoromethane (CFC-11)	ug/L	1300				2 U
Trifluorotrchloroethane (Freon 113)	ug/L	20000				0.5 U
Vinyl chloride	ug/L	2	15750	2	2	1 U
SVOCs						
1,2,4,5-Tetrachlorobenzene	ug/L	2				2 U
1,2,4-Trichlorobenzene	ug/L	70				5 U
2,2'-Oxybis(2-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L					10 U
2,4,5-Trichlorophenol	ug/L	700				10 U
2,4,6-Trichlorophenol	ug/L	10(11)				10 U
2,4-Dichlorophenol	ug/L	20	15800			10 U
2,4-Dimethylphenol	ug/L	140				10 U
2,4-Dinitrophenol	ug/L	50				10 U
2,4-Dinitrotoluene	ug/L	14				10 U
2,6-Dinitrotoluene	ug/L	10				10 U
2-Chloronaphthalene	ug/L	560				10 U
2-Chlorophenol	ug/L	36				10 U
2-Methylnaphthalene	ug/L	49				1 U
2-Methylphenol	ug/L	350				10 U

GROUNDWATER ANALYTICAL RESULTS SUMMARY
 BAIRD SUBSTATION EXPANSION
 STRATFORD, CONNECTICUT

Sample Location:
 Sample ID:
 Sample Date:

MW-1
 GW-83167-050815-SD-001
 5/8/2015

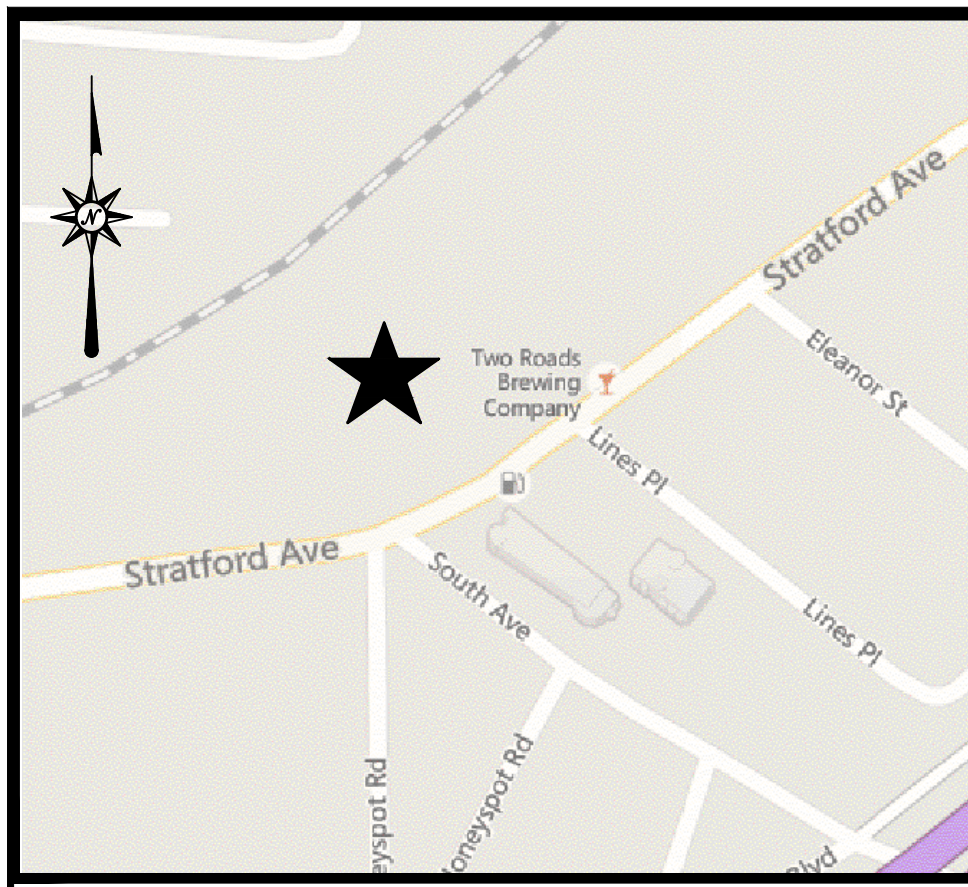
Parameters	Units	GWPC	SWPC	IC	Res
		a	b	GWVC	GWVC
		c	d		
2-Nitroaniline	ug/L				10 U
2-Nitrophenol	ug/L				10 U
3&4-Methylphenol	ug/L				10 U
3,3'-Dichlorobenzidine	ug/L				10 U
3-Nitroaniline	ug/L				10 U
4,6-Dinitro-2-methylphenol	ug/L				10 U
4-Bromophenyl phenyl ether	ug/L	410			10 U
4-Chloro-3-methylphenol	ug/L				10 U
4-Chloroaniline	ug/L	28			10 U
4-Chlorophenyl phenyl ether	ug/L	410			10 U
4-Nitroaniline	ug/L	21			10 U
4-Nitrophenol	ug/L				10 U
Acenaphthene	ug/L	420			0.3 U
Acenaphthylene	ug/L	420	0.3		0.3 U
Aniline	ug/L	6			5 U
Anthracene	ug/L	2000	1100000		0.2 U
Benzo(a)anthracene	ug/L	0.06	0.3		0.05 U
Benzo(a)pyrene	ug/L	0.2	0.3		0.1 U
Benzo(b)fluoranthene	ug/L	0.08	0.3		0.05 U
Benzo(g,h,i)perylene	ug/L	210			0.5 U
Benzo(k)fluoranthene	ug/L	0.5	0.3		0.2 U
bis(2-Chloroethoxy)methane	ug/L				10 U
bis(2-Chloroethyl)ether	ug/L	12	42		10 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	2			2.8 ^a
Butyl benzylphthalate (BBP)	ug/L	1000			10 U
Carbazole	ug/L	10			10 U
Chrysene	ug/L	4.8			0.2 U
Dibenz(a,h)anthracene	ug/L	0.2			0.2 U
Dibenzofuran	ug/L	28			5 U
Diethyl phthalate	ug/L	5600			10 U
Dimethyl phthalate	ug/L	5600			10 U
Di-n-butylphthalate (DBP)	ug/L	700	120000		10 U
Di-n-octyl phthalate (DnOP)	ug/L	100			10 U
Fluoranthene	ug/L	280	3700		0.5 U
Fluorene	ug/L	280	140000		1 U
Hexachlorobenzene	ug/L	1	0.077		2 U
Hexachlorobutadiene	ug/L	0.45			10 U
Hexachlorocyclopentadiene	ug/L	49			10 U
Hexachloroethane	ug/L	3	89		2 U
Indeno(1,2,3-cd)pyrene	ug/L	0.2			0.2 U
Isophorone	ug/L	37			10 U
Naphthalene	ug/L	280			1 U
Nitrobenzene	ug/L	10			10 U
N-Nitrosodi-n-propylamine	ug/L	10			10 U
N-Nitrosodiphenylamine	ug/L	10			10 U
Pentachloronitrobenzene	ug/L	0.13			5 U
Pentachlorophenol	ug/L	1			5 U
Phenanthrene	ug/L	200	23		0.061
Phenol	ug/L	4000	92000000		10 U
Pyrene	ug/L	200	110000		1 U
Pyridine	ug/L	0.7			5 U
Metals					
Arsenic	mg/L	0.05	4		0.002 U
Barium	mg/L	1			0.05 U
Cadmium	mg/L	0.005	6		0.0025 U
Chromium	mg/L	0.1	110		0.005 U
Lead	mg/L	0.015	13		0.005 U
Mercury	mg/L	0.002	0.4		0.0001 U
Selenium	mg/L	0.05	50		0.025 U
Silver	mg/L	0.036	12		0.0025 U
PCBs					
Aroclor-1016 (PCB-1016)	mg/L				0.0002 U
Aroclor-1221 (PCB-1221)	mg/L				0.0002 U
Aroclor-1232 (PCB-1232)	mg/L				0.0002 U
Aroclor-1242 (PCB-1242)	mg/L				0.0002 U
Aroclor-1248 (PCB-1248)	mg/L				0.0002 U
Aroclor-1254 (PCB-1254)	mg/L				0.0002 U
Aroclor-1260 (PCB-1260)	mg/L				0.0002 U
Aroclor-1262 (PCB-1262)	mg/L				0.0002 U
Aroclor-1268 (PCB-1268)	mg/L				0.0002 U
Total PCBs	mg/L	0.0005	0.0005		
Pesticides					
4,4'-DDD	mg/L	0.00015			0.00004 U
4,4'-DDE	mg/L	0.0001			0.00004 U
4,4'-DDT	mg/L	0.0001			0.00004 U
Alachlor	mg/L	0.002			0.0002 U
Aldrin	mg/L				0.00005 U
alpha-BHC	mg/L				0.00005 U
beta-BHC	mg/L				0.00005 U
Chlordane	mg/L	0.0003	0.0003		0.0002 U
delta-BHC	mg/L				0.00005 U

TABLE 2

GROUNDWATER ANALYTICAL RESULTS SUMMARY
 BAIRD SUBSTATION EXPANSION
 STRATFORD, CONNECTICUT

Sample Location:						MW-1
Sample ID:						GW-83167-050815-SD-001
Sample Date:						5/8/2015
		GWPC	SWPC	IC	Res	
Parameters	Units	a	b	GWVC	GWVC	
				c	d	
Dieldrin	mg/L	0.000002	0.0001			0.000002 U
Endosulfan I	mg/L	0.042				0.00005 U
Endosulfan II	mg/L	0.042				0.00008 U
Endosulfan sulfate	mg/L	0.042				0.00008 U
Endrin	mg/L		0.0001			0.00008 U
Endrin aldehyde	mg/L					0.00008 U
Endrin ketone	mg/L					0.00008 U
gamma-BHC (lindane)	mg/L	0.0002				0.00003 U
Heptachlor	mg/L	0.0004	0.00005			0.00005 U
Heptachlor epoxide	mg/L	0.0002	0.00005			0.00005 U
Hexachlorobenzene	mg/L	0.001	0.000077			0.00005 U
Methoxychlor	mg/L	0.04				0.0005 U
Toxaphene	mg/L	0.003	0.001			0.001 U
Herbicides						
2,4,5-T	mg/L					0.0001 U
2,4,5-TP (Silvex)	mg/L					0.00005 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L					0.0005 U
Dalapon	mg/L					0.0012 U
Dicamba	mg/L					0.00005 U
General Chemistry						
Ammonia	mg/L					0.3 U
Chloride	mg/L					80
Cyanide (amenable)	mg/L					0.01 U
Cyanide (total)	mg/L	0.2	0.052			0.01 U
Oil and grease (HEM), total	mg/L					1.6 U
Total suspended solids (TSS)	mg/L					5 U

Footnotes:
 Data compared to Remediation Standard Regulations (June 27, 2013), inclusive of Additional Polluting Substances
 GWPC - Groundwater Protection Criteria
 SWPC - Surface Water Protection Criteria
 I/C GWVC - Industrial/Commercial Groundwater Volatilization Criteria
 Res GWVC - Residential Groundwater Volatilization Criteria
 U - Not detected at the associated reporting limit.



LOCATION MAP
NOT TO SCALE

LEGEND

	Property Line		Guy Wire
	Easement Line		Light Pole
	Railroad		Gas Valve
	Edge of Water		Catch Basin
	Limit of Wetlands		Manhole
	Wetlands/Marsh		Span Pole
	Treeline		Cantilever Pole
	Brushline		Pedestal-mounted Traffic Signal
	Major Contour		Pedestrian Signal
	Minor Contour		Fire Hydrant
	Stone Wall		Water Valve
	Fence		Water Meter
	Overhead Wires		Valve-Utility Type Unknown
	Underground Electric Line		Sign
	Gas Line		Bollard
	Sanitary Sewer		Mail Box
	Storm Sewer		Monitoring Well
	Underground Traffic Signal Cable		Boring
	Water Line		Shrub
	Handhole		Deciduous Tree
	Electric Meter		Coniferous Tree
	Utility Pole		
	Utility Pole w/ Light		

UTILITY QUALITY LEVELS

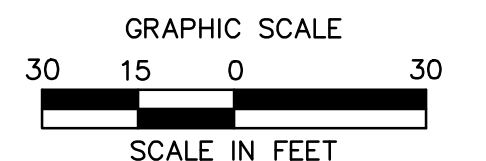
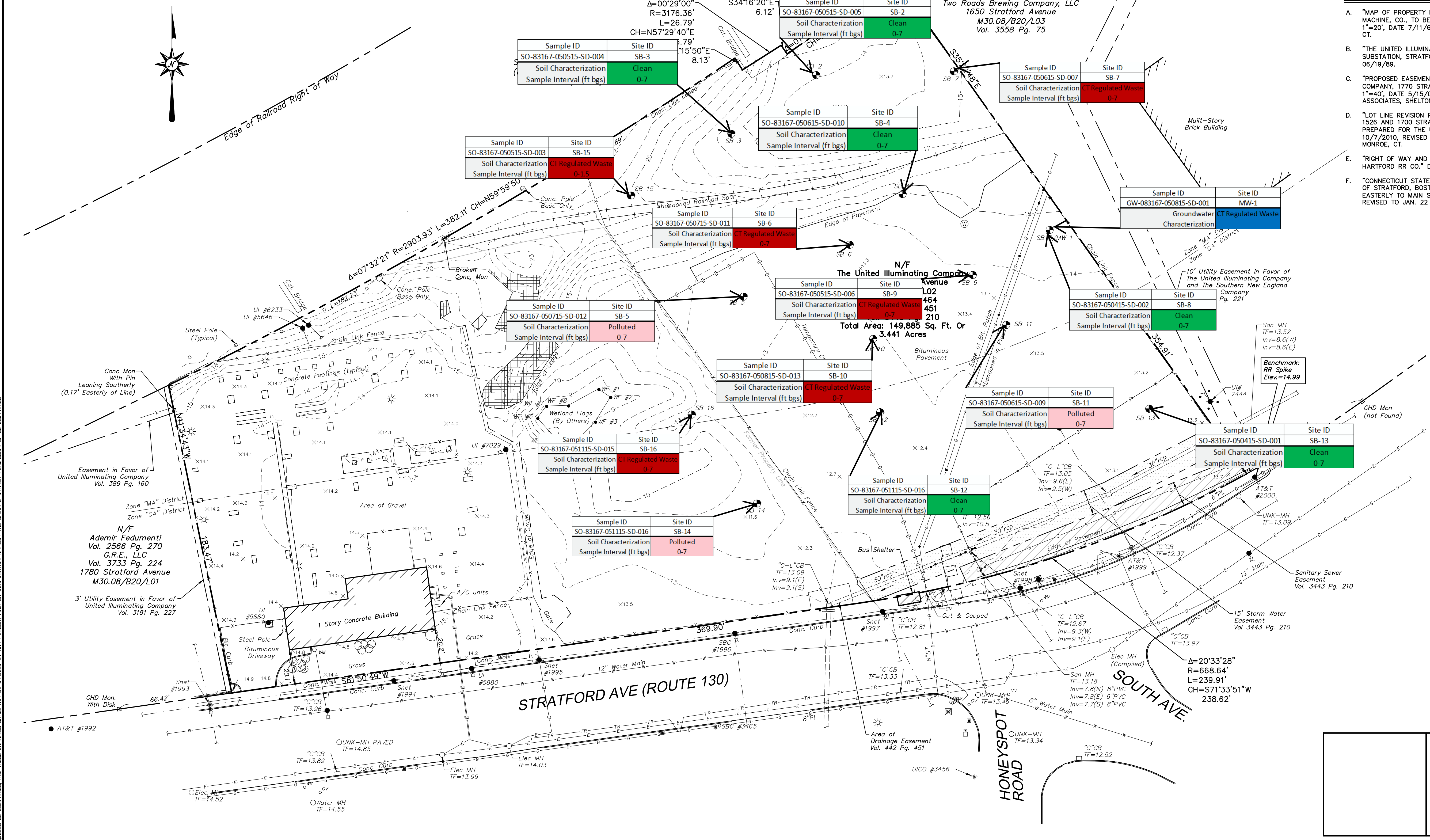
	Quality Level D
	Quality Level C
	Quality Level B
	Quality Level A

GENERAL NOTES

- A) THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
- B) THIS PLAN CONFORMS TO HORIZONTAL ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2.
- C) BOUNDARY DETERMINATION IS BASED UPON A RESURVEY.
- D) THE TYPE OF SURVEY PERFORMED IS A PROPERTY/TOPOGRAPHIC SURVEY AND IS INTENDED TO DEPICT THE EXISTING CONDITIONS WITH RESPECT TO MONUMENTATION FOUND, STRUCTURES, EASEMENTS, ENCROACHMENTS, VISIBLE UTILITIES, ROADWAYS AND CONTOURS.
- E) NORTH ARROW AND BEARINGS REFER TO THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (CT HAD 83) AND ARE BASED ON GPS OBSERVATIONS BY BL COMPANIES IN SEPTEMBER 2013.
- F) ELEVATIONS REFER TO NAVD 83 DATUM AND ARE BASED ON GPS OBSERVATIONS BY BL COMPANIES IN SEPTEMBER 2013 USING GEOID 2009 AND REFERENCING GRS 80 ELLIPSOID.
- G) PARCEL IS NOT LOCATED IN A FLOOD HAZARD AREA AS DEPICTED ON F.I.R.M. COMMUNITY PANEL NO. 090016 0442 G PANEL 442 OF 626 MAP REVISED: JULY 8, 2013.
- H) THE UNDERGROUND UTILITIES DEPICTED HAVE BEEN PLOTTED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES DEPICTED ARE IN THE EXACT LOCATION INDICATED THOUGH THEY ARE PLOTTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY EXPOSED THE UNDERGROUND UTILITIES. PER CONNECTICUT STATE LAW THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF EXCAVATION. CALL BEFORE YOU DIG 1-800-922-4455.

MAP REFERENCES

- A. "MAP OF PROPERTY IN STRATFORD, CONN. BELONGING TO THE BAIRD MACHINE, CO., TO BE CONVEYED TO THE UNITED ILLUMINATING CO." SCALE 1"=20', DATE 7/11/62, PREPARED BY FULLER & CO. INC., BRIDGEPORT, CT.
- B. "THE UNITED ILLUMINATING CO., NEW HAVEN, CONN., PLOT PLAN, BAIRD SUBSTATION, STRATFORD," SCALE 1"=20' DATE 12/19/63, REVISED THRU 06/19/89.
- C. "PROPOSED EASEMENT PLAN, PREPARED FOR THE UNITED ILLUMINATING COMPANY, 1770 STRATFORD AVENUE, STRATFORD, CONNECTICUT," SCALE 1"=40', DATE 5/15/07, PREPARED BY NOWAKOWSKI, O'BRYEN, KANE, ASSOCIATES, SHELTON, CT.
- D. "LOT LINE REVISION PLAN, PROPERTY SURVEY OF PROPERTY LOCATED AT 1526 AND 1700 STRATFORD AVENUE, STRATFORD, CONNECTICUT. PREPARED FOR THE U.S. BAIRD CORPORATION," SCALE 1"=50', DATE 10/7/2010, REVISED THRU 12/10/2010, PREPARED BY LEWIS ASSOCIATED, MONROE, CT.
- E. "RIGHT OF WAY AND TRACK MAP, THE NEW YORK NEW HAVEN AND HARTFORD RR CO." DATE JUNE 30, 1915. - MAP 47, V.53 63.
- F. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF STRATFORD, BOSTON POST ROAD FROM THE BRIDGEPORT CITY LINE EASTERLY TO MAIN STREET, ROUTE U.S. 1 NUMBER 762, SHEET 2 OF 3, REVISED TO JAN. 22 1972.



TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

JENNIFER MARKS L.S. #17939

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE NAMED LAND SURVEYOR.



ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

BAIRD SUBSTATION REPLACEMENT PROJECT
1770 STRATFORD AVENUE, ROUTE 130
STRATFORD, CONNECTICUT

Drawn	J.P.
Checked	M.G./A.V.
Approved	M.G.
Scale	1"=30'
Project No.	1552595
Date	5/4/2015
Field Book	FB 484
CAD File:	BS155259501
Title	BOUNDARY/ TOPOGRAPHIC SURVEY
Sheet No.	BS-1

May 05, 2015 9:45am jls: jls: k:_06515152595\DWG\BS155259501.dwg
 jls: jls: 2/4/2015 2:00 PM
 ©2008 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

Attachment A

Analytical Laboratory Report

May 22, 2015

Shawn Crosbie
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: UI - Baird
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0237

Enclosed are results of analyses for samples received by the laboratory on May 6, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	6
Sample Results	10
15E0237-01	10
15E0237-02	21
15E0237-03	32
15E0237-04	43
15E0237-05	54
15E0237-06	65
Sample Preparation Information	76
QC Data	79
Volatile Organic Compounds by GC/MS	79
B121645	79
Semivolatile Organic Compounds by GC/MS	82
B122004	82
Organochloride Pesticides by GC/ECD	89
B121193	89
Polychlorinated Biphenyls By GC/ECD	92
B121133	92
Herbicides by GC/ECD	93
B121166	93
Petroleum Hydrocarbons Analyses	95
B121980	95
B122184	95
Metals Analyses (Total)	96
B121983	96

Table of Contents (continued)

B122045	96
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	97
B121151	97
B121572	97
B121666	97
B121668	97
B121677	97
B121773	97
B121781	98
TCLP - Metals Analyses	99
B121914	99
B121925	99
Pesticides Degradation Report	100
Dual Column RPD Report	102
Flag/Qualifier Summary	112
Certifications	113
Chain of Custody/Sample Receipt	119

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

United Illuminating Company
 180 Marsh Hill Road
 Orange, CT 06477
 ATTN: Shawn Crosbie

REPORT DATE: 5/22/2015

PURCHASE ORDER NUMBER: 4500424931-10

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0237

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

PROJECT LOCATION: UI - Baird

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SO-83167-050415-SD-001	15E0237-01	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
SO-83167-050415-SD-002	15E0237-02	Soil		CTDEP ETPH SM 2540G SM21-22 2510B Modified SW-846 1010 SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C	
SO-83167-050515-SD-003	15E0237-03	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	

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

United Illuminating Company
 180 Marsh Hill Road
 Orange, CT 06477
 ATTN: Shawn Crosbie

REPORT DATE: 5/22/2015

PURCHASE ORDER NUMBER: 4500424931-10

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0237

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

PROJECT LOCATION: UI - Baird

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SO-83167-050515-SD-004	15E0237-04	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
SO-83167-050515-SD-005	15E0237-05	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
SO-83167-050515-SD-006	15E0237-06	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	

CASE NARRATIVE SUMMARY

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

For method 8151, samples were derivatized on 05/11/15.

For method 8151, sample analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

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

CTDEP ETPH**Qualifications:****L-07A**

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:**CT ETPH**

B122184-BSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**CT ETPH**

15E0237-03RE1[SO-83167-050515-SD-003], B122184-BLK1, B122184-BS1

S-19

Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.

Analyte & Samples(s) Qualified:**o-Terphenyl**

15E0237-03[SO-83167-050515-SD-003], 15E0237-03RE1[SO-83167-050515-SD-003]

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:**o-Terphenyl**

B122184-BSD1

Z-01

Initial analysis within holding time. Reanalysis due to low surrogate recovery was past holding time.

Analyte & Samples(s) Qualified:

15E0237-03RE1[SO-83167-050515-SD-003]

SW-846 8081B**Qualifications:**

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

4,4'-DDD
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

4,4'-DDD [2C]
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

4,4'-DDE
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

4,4'-DDT
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

Alachlor [2C]
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

alpha-BHC [2C]
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

delta-BHC [2C]
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

gamma-BHC (Lindane)
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

gamma-BHC (Lindane) [2C]
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

Methoxychlor
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006]

SW-846 8151A

Qualifications:

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

2,4,5-T [2C]
B121166-MS1, B121166-MSD1

SW-846 8260C

Qualifications:

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane
B121645-BS1

trans-1,3-Dichloropropene
B121645-BS1

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:

2,2-Dichloropropane
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-03[SO-83167-050515-SD-003], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006], B121645-BLK1, B121645-BS1

trans-1,3-Dichloropropene
15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-03[SO-83167-050515-SD-003], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006], B121645-BLK1, B121645-BS1

SW-846 8270D

Qualifications:

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

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol**

15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-03[SO-83167-050515-SD-003], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006], B122004-BLK1, B122004-BS1, B122004-BSD1

MS-09

Matrix spike recovery and 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:**Pyridine**

15E0237-04[SO-83167-050515-SD-004], B122004-MS1, B122004-MSD1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Hexachlorocyclopentadiene**

B122004-BS1, B122004-BSD1

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**

15E0237-01[SO-83167-050415-SD-001], 15E0237-02[SO-83167-050415-SD-002], 15E0237-03[SO-83167-050515-SD-003], 15E0237-04[SO-83167-050515-SD-004], 15E0237-05[SO-83167-050515-SD-005], 15E0237-06[SO-83167-050515-SD-006], B122004-BLK1, B122004-BS1, B122004-BSD1, B122004-MS1, B122004-MSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Hexachlorocyclopentadiene**

B122004-BLK1

SW-846 9045C**Qualifications:****H-03**

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:**pH**

15E0237-02[SO-83167-050415-SD-002]

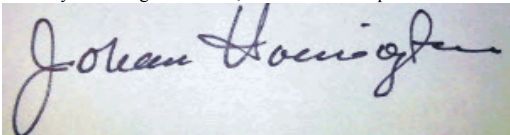
SW-846 8270D

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.



Johanna K. Harrington

Manager, Laboratory Reporting

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

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	0.11	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Acrylonitrile	ND	0.0063	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
2-Butanone (MEK)	ND	0.042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Carbon Disulfide	ND	0.042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Chlorodibromomethane	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Chloroform	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,1-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
trans-1,2-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
2,2-Dichloropropane	ND	0.0042	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,1-Dichloropropene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
trans-1,3-Dichloropropene	ND	0.0042	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Isopropylbenzene (Cumene)	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

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	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Naphthalene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
n-Propylbenzene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Tetrachloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,1,2-Trichloroethane	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Trichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
m+p Xylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 21:55	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		98.2	70-130					5/13/15 21:55	
Toluene-d8		107	70-130					5/13/15 21:55	
4-Bromofluorobenzene		95.8	70-130					5/13/15 21:55	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

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	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
4-Chloro-3-methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1	L-04	SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

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	5/18/15	5/19/15 11:29	CMR
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:29	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	72.5	30-130	
Phenol-d6	75.8	30-130	
Nitrobenzene-d5	75.8	30-130	
2-Fluorobiphenyl	79.1	30-130	
2,4,6-Tribromophenol	90.6	30-130	
p-Terphenyl-d14	86.7	30-130	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Aldrin [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
alpha-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
beta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
delta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
gamma-BHC (Lindane) [1]	ND	0.0023	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Chlordane [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
4,4'-DDD [1]	ND	0.0046	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 4:30	JMB
4,4'-DDE [2]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
4,4'-DDT [2]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Dieldrin [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Endosulfan I [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Endosulfan II [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Endosulfan sulfate [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Endrin [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Endrin aldehyde [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Endrin ketone [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Heptachlor [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Heptachlor epoxide [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Hexachlorobenzene [1]	ND	0.0068	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Methoxychlor [2]	ND	0.057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:30	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.3	30-150					5/9/15 4:30	
Decachlorobiphenyl [2]		79.0	30-150					5/9/15 4:30	
Tetrachloro-m-xylene [1]		76.3	30-150					5/9/15 4:30	
Tetrachloro-m-xylene [2]		70.0	30-150					5/9/15 4:30	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/6/15	5/7/15 23:59	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/7/15 23:59	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/7/15 23:59	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/7/15 23:59	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/7/15 23:59	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/7/15 23:59	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/7/15 23:59	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/7/15 23:59	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/7/15 23:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		80.7	30-150					5/7/15 23:59	
Decachlorobiphenyl [2]		75.7	30-150					5/7/15 23:59	
Tetrachloro-m-xylene [1]		86.3	30-150					5/7/15 23:59	
Tetrachloro-m-xylene [2]		91.4	30-150					5/7/15 23:59	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	29	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:15	JMB
2,4,5-TP (Silvex) [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:15	JMB
2,4,5-T [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:15	JMB
Dalapon [1]	ND	72	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:15	JMB
Dicamba [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:15	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		102	30-150					5/12/15 3:15	
2,4-Dichlorophenylacetic acid [2]		92.4	30-150					5/12/15 3:15	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	12	12	mg/Kg dry	1		CTDEP ETPH	5/18/15	5/20/15 0:00	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl		69.1		50-150				5/20/15 0:00	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:41	MJH
Barium	37	2.8	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:41	MJH
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:41	MJH
Chromium	9.8	0.57	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:41	MJH
Lead	3.0	0.85	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:41	MJH
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	5/18/15	5/19/15 14:31	SCB
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:41	MJH
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:41	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-001

Sampled: 5/4/2015 09:15

Sample ID: 15E0237-01

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:46	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/16/15	5/18/15 10:07	SCB
Barium	0.13	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:46	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:46	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:46	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:46	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:46	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:46	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

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	0.12	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Acrylonitrile	ND	0.0074	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Benzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Bromobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Bromodichloromethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Bromoform	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
2-Butanone (MEK)	ND	0.050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
sec-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
tert-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Carbon Disulfide	ND	0.050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Chlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Chlorodibromomethane	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Chloroethane	ND	0.025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Chloroform	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
2-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
4-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Dibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,2-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,3-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,4-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,1-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,2-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,1-Dichloroethylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
cis-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
trans-1,2-Dichloroethylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
2,2-Dichloropropane	ND	0.0050	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,1-Dichloropropene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
trans-1,3-Dichloropropene	ND	0.0050	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Ethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Hexachlorobutadiene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
2-Hexanone (MBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Isopropylbenzene (Cumene)	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

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	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Methylene Chloride	ND	0.025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Naphthalene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
n-Propylbenzene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Styrene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Tetrachloroethylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Toluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,2,3-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,2,4-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,1,1-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,1,2-Trichloroethane	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Trichloroethylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,2,3-Trichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,2,4-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
1,3,5-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
m+p Xylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
o-Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:22	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		116	70-130					5/13/15 22:22	
Toluene-d8		107	70-130					5/13/15 22:22	
4-Bromofluorobenzene		93.5	70-130					5/13/15 22:22	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

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	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
4-Chloroaniline	ND	0.78	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
4-Chloro-3-methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1	L-04	SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

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	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1	V-16	SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 11:53	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		63.0	30-130					5/19/15 11:53	
Phenol-d6		65.7	30-130					5/19/15 11:53	
Nitrobenzene-d5		66.0	30-130					5/19/15 11:53	
2-Fluorobiphenyl		69.3	30-130					5/19/15 11:53	
2,4,6-Tribromophenol		77.8	30-130					5/19/15 11:53	
p-Terphenyl-d14		76.4	30-130					5/19/15 11:53	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.024	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Aldrin [1]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
alpha-BHC [1]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
beta-BHC [1]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
delta-BHC [1]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
gamma-BHC (Lindane) [1]	ND	0.0024	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Chlordane [1]	ND	0.024	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
4,4'-DDD [1]	ND	0.0048	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 4:52	JMB
4,4'-DDE [2]	ND	0.0048	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
4,4'-DDT [2]	ND	0.0048	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Dieldrin [1]	ND	0.0048	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Endosulfan I [1]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Endosulfan II [1]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Endosulfan sulfate [1]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Endrin [1]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Endrin aldehyde [1]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Endrin ketone [1]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Heptachlor [1]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Heptachlor epoxide [1]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Hexachlorobenzene [1]	ND	0.0072	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Methoxychlor [2]	ND	0.060	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Toxaphene [1]	ND	0.12	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 4:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		87.4	30-150					5/9/15 4:52	
Decachlorobiphenyl [2]		84.1	30-150					5/9/15 4:52	
Tetrachloro-m-xylene [1]		83.0	30-150					5/9/15 4:52	
Tetrachloro-m-xylene [2]		76.9	30-150					5/9/15 4:52	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/6/15	5/8/15 0:12	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:12	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:12	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:12	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:12	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:12	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:12	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:12	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:12	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.9	30-150					5/8/15 0:12	
Decachlorobiphenyl [2]		70.8	30-150					5/8/15 0:12	
Tetrachloro-m-xylene [1]		79.6	30-150					5/8/15 0:12	
Tetrachloro-m-xylene [2]		84.7	30-150					5/8/15 0:12	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	30	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:53	JMB
2,4,5-TP (Silvex) [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:53	JMB
2,4,5-T [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:53	JMB
Dalapon [1]	ND	74	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:53	JMB
Dicamba [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 3:53	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		101	30-150					5/12/15 3:53	
2,4-Dichlorophenylacetic acid [2]		93.8	30-150					5/12/15 3:53	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

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	5/18/15	5/19/15 23:42	SCS
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
o-Terphenyl	65.2	50-150				5/19/15 23:42			

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	3.0	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:46	MJH
Barium	26	3.0	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:46	MJH
Cadmium	ND	0.30	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:46	MJH
Chromium	9.9	0.59	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:46	MJH
Lead	8.1	0.89	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:46	MJH
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	5/18/15	5/19/15 14:32	SCB
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:46	MJH
Silver	ND	0.59	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:46	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

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
Cyanide	ND	0.51	mg/Kg dry	1		SW-846 9014	5/14/15	5/15/15 12:50	VAK
Flashpoint	> 212 °F		°F	1		SW-846 1010	5/13/15	5/13/15 22:30	DJM
pH @21.1°C	6.2		pH Units	1	H-03	SW-846 9045C	5/7/15	5/7/15 9:00	LL
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	5/13/15	5/13/15 17:50	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	5/13/15	5/14/15 14:30	DJM
Specific conductance	2.6	2.0	µmhos/cm	1		SM21-22 2510B Modified	5/14/15	5/14/15 18:00	AG
% Solids	83.0		% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050415-SD-002

Sampled: 5/4/2015 15:10

Sample ID: 15E0237-02

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:51	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/16/15	5/18/15 10:08	SCB
Barium	0.18	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:51	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:51	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:51	MJH
Lead	0.012	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:51	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:51	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:51	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

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	0.14	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Acrylonitrile	ND	0.0085	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Benzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Bromobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Bromodichloromethane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Bromoform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Bromomethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
2-Butanone (MEK)	ND	0.057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
n-Butylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
sec-Butylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
tert-Butylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Carbon Disulfide	ND	0.057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Carbon Tetrachloride	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Chlorobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Chlorodibromomethane	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Chloroethane	ND	0.028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Chloroform	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Chloromethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
2-Chlorotoluene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
4-Chlorotoluene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Dibromomethane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,2-Dichlorobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,3-Dichlorobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,4-Dichlorobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
trans-1,4-Dichloro-2-butene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,1-Dichloroethane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,2-Dichloroethane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,1-Dichloroethylene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
cis-1,2-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
trans-1,2-Dichloroethylene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,2-Dichloropropane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,3-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
2,2-Dichloropropane	ND	0.0057	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,1-Dichloropropene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
cis-1,3-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
trans-1,3-Dichloropropene	ND	0.0057	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Ethylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Hexachlorobutadiene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
2-Hexanone (MBK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Isopropylbenzene (Cumene)	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

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	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Methylene Chloride	ND	0.028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Naphthalene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
n-Propylbenzene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Styrene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,1,1,2-Tetrachloroethane	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Tetrachloroethylene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Tetrahydrofuran	ND	0.014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Toluene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,2,3-Trichlorobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,2,4-Trichlorobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,1,1-Trichloroethane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,1,2-Trichloroethane	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Trichloroethylene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,2,3-Trichloropropane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,2,4-Trimethylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
1,3,5-Trimethylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
Vinyl Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
m+p Xylene	ND	0.0057	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF
o-Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 22:49	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	117	70-130	5/13/15 22:49
Toluene-d8	109	70-130	5/13/15 22:49
4-Bromofluorobenzene	92.3	70-130	5/13/15 22:49

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

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	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Acenaphthylene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Aniline	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Benzo(a)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Benzo(a)pyrene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Benzo(b)fluoranthene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Benzo(g,h,i)perylene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Benzo(k)fluoranthene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Bis(2-chloroethoxy)methane	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Bis(2-chloroethyl)ether	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Bis(2-chloroisopropyl)ether	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
4-Bromophenylphenylether	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Butylbenzylphthalate	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Carbazole	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
4-Chloroaniline	ND	0.94	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
4-Chloro-3-methylphenol	ND	0.94	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2-Chloronaphthalene	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2-Chlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
4-Chlorophenylphenylether	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Chrysene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Dibenz(a,h)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Dibenzofuran	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Di-n-butylphthalate	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
3,3-Dichlorobenzidine	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2,4-Dichlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Diethylphthalate	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2,4-Dimethylphenol	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Dimethylphthalate	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
4,6-Dinitro-2-methylphenol	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2,4-Dinitrophenol	ND	0.94	mg/Kg dry	1	L-04	SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2,4-Dinitrotoluene	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2,6-Dinitrotoluene	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Di-n-octylphthalate	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Fluoranthene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Fluorene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Hexachlorobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Hexachlorobutadiene	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Hexachlorocyclopentadiene	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Hexachloroethane	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Isophorone	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2-Methylnaphthalene	0.35	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

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	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
3/4-Methylphenol	1.3	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Naphthalene	0.25	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2-Nitroaniline	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
3-Nitroaniline	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
4-Nitroaniline	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Nitrobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2-Nitrophenol	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
4-Nitrophenol	ND	0.94	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
N-Nitrosodiphenylamine	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
N-Nitrosodi-n-propylamine	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Pentachloronitrobenzene	ND	0.49	mg/Kg dry	1	V-16	SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Pentachlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Phenanthrene	0.44	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Phenol	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Pyrene	ND	0.24	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Pyridine	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
1,2,4-Trichlorobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2,4,5-Trichlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
2,4,6-Trichlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:16	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		61.4	30-130					5/19/15 12:16	
Phenol-d6		65.4	30-130					5/19/15 12:16	
Nitrobenzene-d5		63.0	30-130					5/19/15 12:16	
2-Fluorobiphenyl		67.6	30-130					5/19/15 12:16	
2,4,6-Tribromophenol		71.0	30-130					5/19/15 12:16	
p-Terphenyl-d14		67.1	30-130					5/19/15 12:16	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.029	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Aldrin [1]	ND	0.0071	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
alpha-BHC [1]	ND	0.0071	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
beta-BHC [1]	ND	0.0071	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
delta-BHC [1]	ND	0.0071	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:14	JMB
gamma-BHC (Lindane) [1]	ND	0.0029	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Chlordane [1]	ND	0.029	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
4,4'-DDD [2]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
4,4'-DDE [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
4,4'-DDT [2]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Dieldrin [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Endosulfan I [1]	ND	0.0071	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Endosulfan II [1]	ND	0.011	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Endosulfan sulfate [1]	ND	0.011	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Endrin [1]	ND	0.011	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Endrin aldehyde [1]	ND	0.011	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:14	JMB
Endrin ketone [1]	ND	0.011	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Heptachlor [1]	ND	0.0071	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Heptachlor epoxide [1]	ND	0.0071	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Hexachlorobenzene [1]	ND	0.0086	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Methoxychlor [1]	ND	0.071	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Toxaphene [1]	ND	0.14	mg/Kg dry	1		SW-846 8081B	5/7/15	5/8/15 19:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		59.8	30-150					5/8/15 19:59	
Decachlorobiphenyl [2]		57.5	30-150					5/8/15 19:59	
Tetrachloro-m-xylene [1]		60.1	30-150					5/8/15 19:59	
Tetrachloro-m-xylene [2]		57.2	30-150					5/8/15 19:59	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/6/15	5/8/15 9:46	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 9:46	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 9:46	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 9:46	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 9:46	JMB
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 9:46	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 9:46	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 9:46	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 9:46	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.4	30-150					5/8/15 9:46	
Decachlorobiphenyl [2]		71.0	30-150					5/8/15 9:46	
Tetrachloro-m-xylene [1]		76.8	30-150					5/8/15 9:46	
Tetrachloro-m-xylene [2]		82.4	30-150					5/8/15 9:46	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	35	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 4:31	JMB
2,4,5-TP (Silvex) [1]	ND	3.5	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 4:31	JMB
2,4,5-T [1]	ND	3.5	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 4:31	JMB
Dalapon [1]	ND	88	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 4:31	JMB
Dicamba [1]	ND	3.5	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 4:31	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		102	30-150					5/12/15 4:31	
2,4-Dichlorophenylacetic acid [2]		108	30-150					5/12/15 4:31	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	44	14	mg/Kg dry	1		CTDEP ETPH	5/18/15	5/20/15 0:18	SCS
CT ETPH	67	14	mg/Kg dry	1	R-05	CTDEP ETPH	5/20/15	5/21/15 19:20	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	33.2	*	50-150		S-19			5/21/15 19:20	
o-Terphenyl	48.1	*	50-150		S-19			5/20/15 0:18	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.0	3.6	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:50	MJH
Barium	73	3.6	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:50	MJH
Cadmium	0.48	0.36	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:50	MJH
Chromium	14	0.71	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:50	MJH
Lead	87	1.1	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:50	MJH
Mercury	1.0	0.17	mg/Kg dry	5		SW-846 7471B	5/18/15	5/19/15 15:06	SCB
Selenium	ND	7.1	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:50	MJH
Silver	ND	0.71	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:50	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.8		% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-003

Sampled: 5/5/2015 08:30

Sample ID: 15E0237-03

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:56	MJH
Mercury	0.00024	0.00010	mg/L	1		SW-846 7470A	5/16/15	5/18/15 10:10	SCB
Barium	0.11	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:56	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:56	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:56	MJH
Lead	0.021	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:56	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:56	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 21:56	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

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	0.11	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Acrylonitrile	ND	0.0067	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
2-Butanone (MEK)	ND	0.045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Carbon Disulfide	ND	0.045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Chlorodibromomethane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Chloroform	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,1-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
trans-1,2-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
2,2-Dichloropropane	ND	0.0045	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,1-Dichloropropene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
trans-1,3-Dichloropropene	ND	0.0045	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Isopropylbenzene (Cumene)	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

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	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Naphthalene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
n-Propylbenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Tetrachloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,1,2-Trichloroethane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Trichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
m+p Xylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:16	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		119	70-130					5/13/15 23:16	
Toluene-d8		107	70-130					5/13/15 23:16	
4-Bromofluorobenzene		93.1	70-130					5/13/15 23:16	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

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	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1	L-04	SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Di-n-octylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

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	5/18/15	5/19/15 12:39	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
Pyridine	ND	0.37	mg/Kg dry	1	MS-09	SW-846 8270D	5/18/15	5/19/15 12:39	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 12:39	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	79.5	30-130	
Phenol-d6	81.8	30-130	
Nitrobenzene-d5	82.3	30-130	
2-Fluorobiphenyl	86.7	30-130	
2,4,6-Tribromophenol	98.0	30-130	
p-Terphenyl-d14	93.5	30-130	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Aldrin [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
alpha-BHC [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
beta-BHC [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
delta-BHC [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
gamma-BHC (Lindane) [1]	ND	0.0022	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Chlordane [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
4,4'-DDD [1]	ND	0.0044	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 5:36	JMB
4,4'-DDE [2]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
4,4'-DDT [2]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Dieldrin [1]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Endosulfan I [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Endosulfan II [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Endosulfan sulfate [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Endrin [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Endrin aldehyde [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Endrin ketone [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Heptachlor [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Heptachlor epoxide [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Hexachlorobenzene [1]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Methoxychlor [2]	ND	0.055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:36	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		94.4	30-150					5/9/15 5:36	
Decachlorobiphenyl [2]		90.2	30-150					5/9/15 5:36	
Tetrachloro-m-xylene [1]		89.6	30-150					5/9/15 5:36	
Tetrachloro-m-xylene [2]		82.3	30-150					5/9/15 5:36	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/6/15	5/8/15 0:38	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:38	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:38	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:38	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:38	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:38	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:38	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:38	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:38	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.9	30-150					5/8/15 0:38	
Decachlorobiphenyl [2]		68.6	30-150					5/8/15 0:38	
Tetrachloro-m-xylene [1]		81.6	30-150					5/8/15 0:38	
Tetrachloro-m-xylene [2]		87.3	30-150					5/8/15 0:38	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	27	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:09	JMB
2,4,5-TP (Silvex) [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:09	JMB
2,4,5-T [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:09	JMB
Dalapon [1]	ND	69	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:09	JMB
Dicamba [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:09	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		111	30-150					5/12/15 5:09	
2,4-Dichlorophenylacetic acid [2]		105	30-150					5/12/15 5:09	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

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	5/18/15	5/19/15 8:56	PJG
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
o-Terphenyl	76.7	50-150						5/19/15 8:56	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:54	MJH
Barium	45	2.7	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:54	MJH
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:54	MJH
Chromium	11	0.53	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:54	MJH
Lead	5.5	0.80	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:54	MJH
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	5/18/15	5/19/15 14:35	SCB
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:54	MJH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:54	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-004

Sampled: 5/5/2015 09:30

Sample ID: 15E0237-04

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:14	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/16/15	5/18/15 10:11	SCB
Barium	0.15	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:14	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:14	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:14	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:14	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:14	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:14	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

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	0.099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Bromomethane	ND	0.0099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Carbon Disulfide	ND	0.040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Chlorodibromomethane	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Chloroform	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Chloromethane	ND	0.0099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,2-Dibromoethane (EDB)	ND	0.00099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
trans-1,2-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,3-Dichloropropane	ND	0.00099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
2,2-Dichloropropane	ND	0.0040	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,1-Dichloropropene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
cis-1,3-Dichloropropene	ND	0.00099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
trans-1,3-Dichloropropene	ND	0.0040	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Isopropylbenzene (Cumene)	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

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	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Naphthalene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
n-Propylbenzene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,1,1,2-Tetrachloroethane	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,1,2,2-Tetrachloroethane	ND	0.00099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Tetrachloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Tetrahydrofuran	ND	0.0099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,1,2-Trichloroethane	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Trichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Vinyl Chloride	ND	0.0099	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
m+p Xylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/13/15	5/13/15 23:43	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		115	70-130					5/13/15 23:43	
Toluene-d8		107	70-130					5/13/15 23:43	
4-Bromofluorobenzene		92.4	70-130					5/13/15 23:43	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

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	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1	L-04	SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

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	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:03	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		69.1	30-130					5/19/15 13:03	
Phenol-d6		73.0	30-130					5/19/15 13:03	
Nitrobenzene-d5		70.4	30-130					5/19/15 13:03	
2-Fluorobiphenyl		74.0	30-130					5/19/15 13:03	
2,4,6-Tribromophenol		86.9	30-130					5/19/15 13:03	
p-Terphenyl-d14		88.3	30-130					5/19/15 13:03	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Aldrin [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
alpha-BHC [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
beta-BHC [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
delta-BHC [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
gamma-BHC (Lindane) [1]	ND	0.0023	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Chlordane [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
4,4'-DDD [1]	ND	0.0046	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 5:59	JMB
4,4'-DDE [2]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
4,4'-DDT [2]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Dieldrin [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Endosulfan I [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Endosulfan II [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Endosulfan sulfate [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Endrin [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Endrin aldehyde [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Endrin ketone [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Heptachlor [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Heptachlor epoxide [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Hexachlorobenzene [1]	ND	0.0069	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Methoxychlor [2]	ND	0.058	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Toxaphene [1]	ND	0.12	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 5:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		99.5	30-150					5/9/15 5:59	
Decachlorobiphenyl [2]		94.7	30-150					5/9/15 5:59	
Tetrachloro-m-xylene [1]		94.9	30-150					5/9/15 5:59	
Tetrachloro-m-xylene [2]		86.5	30-150					5/9/15 5:59	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/6/15	5/8/15 0:51	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:51	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:51	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:51	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:51	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:51	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:51	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:51	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 0:51	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.9	30-150					5/8/15 0:51	
Decachlorobiphenyl [2]		74.8	30-150					5/8/15 0:51	
Tetrachloro-m-xylene [1]		84.2	30-150					5/8/15 0:51	
Tetrachloro-m-xylene [2]		89.8	30-150					5/8/15 0:51	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	29	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:47	JMB
2,4,5-TP (Silvex) [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:47	JMB
2,4,5-T [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:47	JMB
Dalapon [1]	ND	71	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:47	JMB
Dicamba [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 5:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		107	30-150					5/12/15 5:47	
2,4-Dichlorophenylacetic acid [2]		97.5	30-150					5/12/15 5:47	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

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	5/18/15	5/19/15 23:25	SCS
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
o-Terphenyl	61.7	50-150				5/19/15 23:25			

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:59	MJH
Barium	15	2.8	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:59	MJH
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:59	MJH
Chromium	6.9	0.57	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:59	MJH
Lead	3.2	0.85	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:59	MJH
Mercury	ND	0.029	mg/Kg dry	1		SW-846 7471B	5/18/15	5/19/15 14:40	SCB
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:59	MJH
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 20:59	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-005

Sampled: 5/5/2015 13:30

Sample ID: 15E0237-05

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:19	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/16/15	5/18/15 10:12	SCB
Barium	0.24	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:19	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:19	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:19	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:19	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:19	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:19	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

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	5/13/15	5/14/15 0:11	MFF
Acrylonitrile	ND	0.0063	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
2-Butanone (MEK)	ND	0.042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Carbon Disulfide	ND	0.042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Chlorodibromomethane	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Chloroform	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,1-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
trans-1,2-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
2,2-Dichloropropane	ND	0.0042	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,1-Dichloropropene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
trans-1,3-Dichloropropene	ND	0.0042	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Isopropylbenzene (Cumene)	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

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	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Naphthalene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
n-Propylbenzene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,1,1,2-Tetrachloroethane	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Tetrachloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,1,2-Trichloroethane	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Trichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
m+p Xylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 0:11	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		119	70-130					5/14/15 0:11	
Toluene-d8		107	70-130					5/14/15 0:11	
4-Bromofluorobenzene		92.0	70-130					5/14/15 0:11	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

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	5/18/15	5/19/15 13:26	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Anthracene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Benzo(a)anthracene	1.2	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Benzo(a)pyrene	0.79	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Benzo(b)fluoranthene	1.2	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Benzo(g,h,i)perylene	0.53	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Benzo(k)fluoranthene	0.47	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Chrysene	1.2	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1	L-04	SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Di-n-octylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Fluoranthene	2.7	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Fluorene	0.23	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Indeno(1,2,3-cd)pyrene	0.57	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

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	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Phenanthrene	3.2	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Pyrene	2.8	0.19	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/18/15	5/19/15 13:26	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		69.5	30-130					5/19/15 13:26	
Phenol-d6		76.5	30-130					5/19/15 13:26	
Nitrobenzene-d5		74.3	30-130					5/19/15 13:26	
2-Fluorobiphenyl		85.0	30-130					5/19/15 13:26	
2,4,6-Tribromophenol		96.0	30-130					5/19/15 13:26	
p-Terphenyl-d14		94.8	30-130					5/19/15 13:26	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Aldrin [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
alpha-BHC [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
beta-BHC [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
delta-BHC [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
gamma-BHC (Lindane) [1]	ND	0.0022	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Chlordane [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
4,4'-DDD [1]	ND	0.0044	mg/Kg dry	1	V-20	SW-846 8081B	5/7/15	5/9/15 6:21	JMB
4,4'-DDE [2]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
4,4'-DDT [2]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Dieldrin [1]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Endosulfan I [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Endosulfan II [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Endosulfan sulfate [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Endrin [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Endrin aldehyde [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Endrin ketone [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Heptachlor [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Heptachlor epoxide [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Hexachlorobenzene [1]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Methoxychlor [2]	ND	0.055	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	5/7/15	5/9/15 6:21	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.5	30-150					5/9/15 6:21	
Decachlorobiphenyl [2]		89.1	30-150					5/9/15 6:21	
Tetrachloro-m-xylene [1]		87.9	30-150					5/9/15 6:21	
Tetrachloro-m-xylene [2]		80.7	30-150					5/9/15 6:21	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/6/15	5/8/15 1:04	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 1:04	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 1:04	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 1:04	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 1:04	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 1:04	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 1:04	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 1:04	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/6/15	5/8/15 1:04	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		67.6	30-150					5/8/15 1:04	
Decachlorobiphenyl [2]		72.2	30-150					5/8/15 1:04	
Tetrachloro-m-xylene [1]		72.3	30-150					5/8/15 1:04	
Tetrachloro-m-xylene [2]		73.6	30-150					5/8/15 1:04	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	27	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 6:37	JMB
2,4,5-TP (Silvex) [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 6:37	JMB
2,4,5-T [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 6:37	JMB
Dalapon [1]	ND	68	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 6:37	JMB
Dicamba [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	5/7/15	5/12/15 6:37	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		103	30-150					5/12/15 6:37	
2,4-Dichlorophenylacetic acid [2]		90.1	30-150					5/12/15 6:37	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	42	11	mg/Kg dry	1		CTDEP ETPH	5/18/15	5/20/15 0:35	SCS
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
o-Terphenyl	69.7		50-150					5/20/15 0:35	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 21:03	MJH
Barium	18	2.7	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 21:03	MJH
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 21:03	MJH
Chromium	7.8	0.53	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 21:03	MJH
Lead	17	0.80	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 21:03	MJH
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	5/18/15	5/19/15 14:42	SCB
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 21:03	MJH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	5/19/15	5/19/15 21:03	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0237

Date Received: 5/6/2015

Field Sample #: SO-83167-050515-SD-006

Sampled: 5/5/2015 15:55

Sample ID: 15E0237-06

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:24	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/16/15	5/18/15 10:14	SCB
Barium	0.099	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:24	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:24	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:24	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:24	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:24	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 22:24	MJH

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B121980	30.1	1.00	05/18/15
15E0237-02 [SO-83167-050415-SD-002]	B121980	30.1	1.00	05/18/15
15E0237-03 [SO-83167-050515-SD-003]	B121980	30.1	1.00	05/18/15
15E0237-04 [SO-83167-050515-SD-004]	B121980	30.0	1.00	05/18/15
15E0237-05 [SO-83167-050515-SD-005]	B121980	30.1	1.00	05/18/15
15E0237-06 [SO-83167-050515-SD-006]	B121980	30.1	1.00	05/18/15

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-03RE1 [SO-83167-050515-SD-003]	B122184	30.4	1.00	05/20/15

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0237-01 [SO-83167-050415-SD-001]	B121572	05/12/15
15E0237-02 [SO-83167-050415-SD-002]	B121572	05/12/15
15E0237-03 [SO-83167-050515-SD-003]	B121572	05/12/15
15E0237-04 [SO-83167-050515-SD-004]	B121572	05/12/15
15E0237-05 [SO-83167-050515-SD-005]	B121572	05/12/15
15E0237-06 [SO-83167-050515-SD-006]	B121572	05/12/15

SM21-22 2510B Modified

Lab Number [Field ID]	Batch	Initial [g]	Date
15E0237-02 [SO-83167-050415-SD-002]	B121781	1.00	05/14/15

SW-846 1010

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-02 [SO-83167-050415-SD-002]	B121677	50.0	50.0	05/13/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B122045	1.02	50.0	05/19/15
15E0237-02 [SO-83167-050415-SD-002]	B122045	1.01	50.0	05/19/15
15E0237-03 [SO-83167-050515-SD-003]	B122045	1.01	50.0	05/19/15
15E0237-04 [SO-83167-050515-SD-004]	B122045	1.04	50.0	05/19/15
15E0237-05 [SO-83167-050515-SD-005]	B122045	1.02	50.0	05/19/15
15E0237-06 [SO-83167-050515-SD-006]	B122045	1.04	50.0	05/19/15

Prep Method: SW-846 3010A-SW-846 6010C

Leachates were extracted on 5/15/2015 per SW-846 1311 in Batch B121815

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B121925	50.0	50.0	05/16/15
15E0237-02 [SO-83167-050415-SD-002]	B121925	50.0	50.0	05/16/15

Sample Extraction Data

Prep Method: SW-846 3010A-SW-846 6010C

Leachates were extracted on 5/15/2015 per SW-846 1311 in Batch B121815

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0237-03 [SO-83167-050515-SD-003]	B121925	50.0	50.0	05/16/15
15E0237-04 [SO-83167-050515-SD-004]	B121925	50.0	50.0	05/16/15
15E0237-05 [SO-83167-050515-SD-005]	B121925	50.0	50.0	05/16/15
15E0237-06 [SO-83167-050515-SD-006]	B121925	50.0	50.0	05/16/15

Prep Method: SW-846 7470A Prep-SW-846 7470A

Leachates were extracted on 5/15/2015 per SW-846 1311 in Batch B121815

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B121914	6.00	6.00	05/16/15
15E0237-02 [SO-83167-050415-SD-002]	B121914	6.00	6.00	05/16/15
15E0237-03 [SO-83167-050515-SD-003]	B121914	6.00	6.00	05/16/15
15E0237-04 [SO-83167-050515-SD-004]	B121914	6.00	6.00	05/16/15
15E0237-05 [SO-83167-050515-SD-005]	B121914	6.00	6.00	05/16/15
15E0237-06 [SO-83167-050515-SD-006]	B121914	6.00	6.00	05/16/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B121983	0.618	50.0	05/18/15
15E0237-02 [SO-83167-050415-SD-002]	B121983	0.607	50.0	05/18/15
15E0237-03 [SO-83167-050515-SD-003]	B121983	0.618	50.0	05/18/15
15E0237-04 [SO-83167-050515-SD-004]	B121983	0.634	50.0	05/18/15
15E0237-05 [SO-83167-050515-SD-005]	B121983	0.604	50.0	05/18/15
15E0237-06 [SO-83167-050515-SD-006]	B121983	0.635	50.0	05/18/15

Prep Method: SW-846 3546-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B121193	10.1	10.0	05/07/15
15E0237-02 [SO-83167-050415-SD-002]	B121193	10.1	10.0	05/07/15
15E0237-03 [SO-83167-050515-SD-003]	B121193	10.0	10.0	05/07/15
15E0237-04 [SO-83167-050515-SD-004]	B121193	10.0	10.0	05/07/15
15E0237-05 [SO-83167-050515-SD-005]	B121193	10.0	10.0	05/07/15
15E0237-06 [SO-83167-050515-SD-006]	B121193	10.0	10.0	05/07/15

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B121133	10.4	10.0	05/06/15
15E0237-02 [SO-83167-050415-SD-002]	B121133	10.2	10.0	05/06/15
15E0237-03 [SO-83167-050515-SD-003]	B121133	10.4	10.0	05/06/15
15E0237-04 [SO-83167-050515-SD-004]	B121133	10.2	10.0	05/06/15
15E0237-05 [SO-83167-050515-SD-005]	B121133	10.1	10.0	05/06/15
15E0237-06 [SO-83167-050515-SD-006]	B121133	10.0	10.0	05/06/15

Prep Method: SW-846 8151-SW-846 8151A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B121166	20.1	5.00	05/07/15

Sample Extraction Data

Prep Method: SW-846 8151-SW-846 8151A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-02 [SO-83167-050415-SD-002]	B121166	20.4	5.00	05/07/15
15E0237-03 [SO-83167-050515-SD-003]	B121166	20.3	5.00	05/07/15
15E0237-04 [SO-83167-050515-SD-004]	B121166	20.1	5.00	05/07/15
15E0237-05 [SO-83167-050515-SD-005]	B121166	20.2	5.00	05/07/15
15E0237-06 [SO-83167-050515-SD-006]	B121166	20.4	5.00	05/07/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B121645	5.46	10.0	05/13/15
15E0237-02 [SO-83167-050415-SD-002]	B121645	4.86	10.0	05/13/15
15E0237-03 [SO-83167-050515-SD-003]	B121645	5.04	10.0	05/13/15
15E0237-04 [SO-83167-050515-SD-004]	B121645	4.92	10.0	05/13/15
15E0237-05 [SO-83167-050515-SD-005]	B121645	5.84	10.0	05/13/15
15E0237-06 [SO-83167-050515-SD-006]	B121645	5.23	10.0	05/13/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-01 [SO-83167-050415-SD-001]	B122004	30.2	1.00	05/18/15
15E0237-02 [SO-83167-050415-SD-002]	B122004	30.4	1.00	05/18/15
15E0237-03 [SO-83167-050515-SD-003]	B122004	30.1	1.00	05/18/15
15E0237-04 [SO-83167-050515-SD-004]	B122004	30.4	1.00	05/18/15
15E0237-05 [SO-83167-050515-SD-005]	B122004	30.4	1.00	05/18/15
15E0237-06 [SO-83167-050515-SD-006]	B122004	30.2	1.00	05/18/15

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-02 [SO-83167-050415-SD-002]	B121666	25.0	250	05/13/15

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-02 [SO-83167-050415-SD-002]	B121773	1.18	50.0	05/14/15

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0237-02 [SO-83167-050415-SD-002]	B121668	25.0	250	05/13/15

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
15E0237-02 [SO-83167-050415-SD-002]	B121151	20.0	05/07/15

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

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 B121645 - SW-846 5035

Blank (B121645-BLK1)

Prepared & Analyzed: 05/13/15

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	0.040	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0040	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	0.0040	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	0.0040	mg/Kg wet							V-05
1,1-Dichloropropene	ND	0.0040	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0040	mg/Kg wet							V-05
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	0.0040	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	0.0040	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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

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 B121645 - SW-846 5035

Blank (B121645-BLK1)

Prepared & Analyzed: 05/13/15

Tetrachloroethylene	ND	0.0040	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	0.0040	mg/Kg wet							
Trichloroethylene	ND	0.0040	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	0.0584		mg/Kg wet	0.0500		117	70-130			
Surrogate: Toluene-d8	0.0547		mg/Kg wet	0.0500		109	70-130			
Surrogate: 4-Bromofluorobenzene	0.0462		mg/Kg wet	0.0500		92.4	70-130			

LCS (B121645-BS1)

Prepared & Analyzed: 05/13/15

Acetone	0.254	0.10	mg/Kg wet	0.200		127	70-130			
Acrylonitrile	0.0226	0.0060	mg/Kg wet	0.0200		113	70-130			
Benzene	0.0241	0.0020	mg/Kg wet	0.0200		121	70-130			
Bromobenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130			
Bromodichloromethane	0.0192	0.0020	mg/Kg wet	0.0200		96.0	70-130			
Bromoform	0.0142	0.0020	mg/Kg wet	0.0200		70.9	70-130			
Bromomethane	0.0224	0.010	mg/Kg wet	0.0200		112	70-130			
2-Butanone (MEK)	0.212	0.040	mg/Kg wet	0.200		106	70-130			
n-Butylbenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.3	70-130			
sec-Butylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130			
tert-Butylbenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.7	70-130			
Carbon Disulfide	0.233	0.040	mg/Kg wet	0.200		116	70-130			
Carbon Tetrachloride	0.0146	0.0020	mg/Kg wet	0.0200		73.0	70-130			
Chlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
Chlorodibromomethane	0.0163	0.0040	mg/Kg wet	0.0200		81.7	70-130			
Chloroethane	0.0227	0.020	mg/Kg wet	0.0200		114	70-130			
Chloroform	0.0226	0.0040	mg/Kg wet	0.0200		113	70-130			
Chloromethane	0.0209	0.010	mg/Kg wet	0.0200		105	70-130			
2-Chlorotoluene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
4-Chlorotoluene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130			
1,2-Dibromoethane (EDB)	0.0187	0.0010	mg/Kg wet	0.0200		93.3	70-130			
Dibromomethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2-Dichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,3-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.1	70-130			
1,4-Dichlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130			
trans-1,4-Dichloro-2-butene	0.0159	0.0040	mg/Kg wet	0.0200		79.3	70-130			
Dichlorodifluoromethane (Freon 12)	0.0179	0.020	mg/Kg wet	0.0200		89.5	70-130			
1,1-Dichloroethane	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130			
1,2-Dichloroethane	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,1-Dichloroethylene	0.0211	0.0040	mg/Kg wet	0.0200		106	70-130			

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

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 B121645 - SW-846 5035										
LCS (B121645-BS1)										
Prepared & Analyzed: 05/13/15										
cis-1,2-Dichloroethylene	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130			
trans-1,2-Dichloroethylene	0.0227	0.0040	mg/Kg wet	0.0200		114	70-130			
1,2-Dichloropropane	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
1,3-Dichloropropane	0.0198	0.0010	mg/Kg wet	0.0200		98.8	70-130			
2,2-Dichloropropane	0.0108	0.0040	mg/Kg wet	0.0200		53.9	70-130	*		L-03, V-05
1,1-Dichloropropene	0.0219	0.0040	mg/Kg wet	0.0200		110	70-130			
cis-1,3-Dichloropropene	0.0154	0.0010	mg/Kg wet	0.0200		76.8	70-130			
trans-1,3-Dichloropropene	0.0120	0.0040	mg/Kg wet	0.0200		60.1	70-130	*		V-05, L-03
Ethylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Hexachlorobutadiene	0.0170	0.0020	mg/Kg wet	0.0200		85.1	70-130			
2-Hexanone (MBK)	0.205	0.020	mg/Kg wet	0.200		103	70-130			
Isopropylbenzene (Cumene)	0.0189	0.0040	mg/Kg wet	0.0200		94.3	70-130			
p-Isopropyltoluene (p-Cymene)	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		92.8	70-130			
Methylene Chloride	0.0237	0.020	mg/Kg wet	0.0200		118	70-130			
4-Methyl-2-pentanone (MIBK)	0.202	0.020	mg/Kg wet	0.200		101	70-130			
Naphthalene	0.0149	0.0040	mg/Kg wet	0.0200		74.7	70-130			
n-Propylbenzene	0.0197	0.0040	mg/Kg wet	0.0200		98.4	70-130			
Styrene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
1,1,1,2-Tetrachloroethane	0.0145	0.0040	mg/Kg wet	0.0200		72.3	70-130			
1,1,2,2-Tetrachloroethane	0.0197	0.0010	mg/Kg wet	0.0200		98.7	70-130			
Tetrachloroethylene	0.0171	0.0040	mg/Kg wet	0.0200		85.7	70-130			
Tetrahydrofuran	0.0217	0.010	mg/Kg wet	0.0200		108	70-130			
Toluene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,2,3-Trichlorobenzene	0.0158	0.0020	mg/Kg wet	0.0200		78.8	70-130			
1,2,4-Trichlorobenzene	0.0154	0.0020	mg/Kg wet	0.0200		76.8	70-130			
1,1,1-Trichloroethane	0.0158	0.0020	mg/Kg wet	0.0200		79.1	70-130			
1,1,2-Trichloroethane	0.0190	0.0040	mg/Kg wet	0.0200		94.9	70-130			
Trichloroethylene	0.0192	0.0040	mg/Kg wet	0.0200		95.9	70-130			
Trichlorofluoromethane (Freon 11)	0.0232	0.010	mg/Kg wet	0.0200		116	70-130			
1,2,3-Trichloropropane	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0204	0.010	mg/Kg wet	0.0200		102	70-130			
1,2,4-Trimethylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130			
1,3,5-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
Vinyl Chloride	0.0213	0.010	mg/Kg wet	0.0200		106	70-130			
m+p Xylene	0.0425	0.0040	mg/Kg wet	0.0400		106	70-130			
o-Xylene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0600		mg/Kg wet	0.0500		120	70-130			
Surrogate: Toluene-d8	0.0548		mg/Kg wet	0.0500		110	70-130			
Surrogate: 4-Bromofluorobenzene	0.0477		mg/Kg wet	0.0500		95.5	70-130			

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 B122004 - SW-846 3546

Blank (B122004-BLK1)

Prepared: 05/18/15 Analyzed: 05/19/15

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							L-04
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							V-20
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							

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 B122004 - SW-846 3546

Blank (B122004-BLK1)

Prepared: 05/18/15 Analyzed: 05/19/15

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	4.62		mg/Kg wet	6.67		69.3	30-130			
Surrogate: Phenol-d6	4.93		mg/Kg wet	6.67		73.9	30-130			
Surrogate: Nitrobenzene-d5	2.37		mg/Kg wet	3.33		71.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.46		mg/Kg wet	3.33		73.7	30-130			
Surrogate: 2,4,6-Tribromophenol	4.95		mg/Kg wet	6.67		74.2	30-130			
Surrogate: p-Terphenyl-d14	2.73		mg/Kg wet	3.33		82.0	30-130			

LCS (B122004-BS1)

Prepared: 05/18/15 Analyzed: 05/19/15

Acenaphthene	1.34	0.17	mg/Kg wet	1.67		80.2	40-140			
Acenaphthylene	1.32	0.17	mg/Kg wet	1.67		79.4	40-140			
Aniline	0.830	0.34	mg/Kg wet	1.67		49.8	40-140			†
Anthracene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140			
Benzo(a)anthracene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140			
Benzo(a)pyrene	1.37	0.17	mg/Kg wet	1.67		82.4	40-140			
Benzo(b)fluoranthene	1.37	0.17	mg/Kg wet	1.67		82.3	40-140			
Benzo(g,h,i)perylene	1.45	0.17	mg/Kg wet	1.67		86.9	40-140			
Benzo(k)fluoranthene	1.36	0.17	mg/Kg wet	1.67		81.6	40-140			
Bis(2-chloroethoxy)methane	1.33	0.34	mg/Kg wet	1.67		79.6	40-140			
Bis(2-chloroethyl)ether	1.31	0.34	mg/Kg wet	1.67		78.6	40-140			
Bis(2-chloroisopropyl)ether	1.27	0.34	mg/Kg wet	1.67		76.1	40-140			
Bis(2-Ethylhexyl)phthalate	1.83	0.34	mg/Kg wet	1.67		110	40-140			
4-Bromophenylphenylether	1.40	0.34	mg/Kg wet	1.67		84.1	40-140			
Butylbenzylphthalate	1.50	0.34	mg/Kg wet	1.67		90.0	40-140			
Carbazole	1.31	0.17	mg/Kg wet	1.67		78.4	40-140			
4-Chloroaniline	0.979	0.66	mg/Kg wet	1.67		58.8	40-140			†
4-Chloro-3-methylphenol	1.41	0.66	mg/Kg wet	1.67		84.8	30-130			
2-Chloronaphthalene	1.15	0.34	mg/Kg wet	1.67		68.7	40-140			
2-Chlorophenol	1.25	0.34	mg/Kg wet	1.67		74.9	30-130			
4-Chlorophenylphenylether	1.43	0.34	mg/Kg wet	1.67		86.0	40-140			
Chrysene	1.39	0.17	mg/Kg wet	1.67		83.3	40-140			
Dibenz(a,h)anthracene	1.50	0.17	mg/Kg wet	1.67		89.9	40-140			
Dibenzofuran	1.38	0.34	mg/Kg wet	1.67		83.0	40-140			
Di-n-butylphthalate	1.42	0.34	mg/Kg wet	1.67		85.5	40-140			
3,3-Dichlorobenzidine	1.40	0.17	mg/Kg wet	1.67		83.9	40-140			†
2,4-Dichlorophenol	1.35	0.34	mg/Kg wet	1.67		81.2	30-130			
Diethylphthalate	1.50	0.34	mg/Kg wet	1.67		90.1	40-140			
2,4-Dimethylphenol	1.35	0.34	mg/Kg wet	1.67		80.9	30-130			
Dimethylphthalate	1.45	0.34	mg/Kg wet	1.67		87.1	40-140			
4,6-Dinitro-2-methylphenol	0.736	0.34	mg/Kg wet	1.67		44.2	30-130			

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 B122004 - SW-846 3546

LCS (B122004-BS1)

Prepared: 05/18/15 Analyzed: 05/19/15

2,4-Dinitrophenol	0.440	0.66	mg/Kg wet	1.67		26.4 *	30-130			L-04
2,4-Dinitrotoluene	1.45	0.34	mg/Kg wet	1.67		87.0	40-140			
2,6-Dinitrotoluene	1.54	0.34	mg/Kg wet	1.67		92.2	40-140			
Di-n-octylphthalate	1.56	0.34	mg/Kg wet	1.67		93.8	40-140			
Fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.2	40-140			
Fluorene	1.39	0.17	mg/Kg wet	1.67		83.5	40-140			
Hexachlorobenzene	1.45	0.34	mg/Kg wet	1.67		86.7	40-140			
Hexachlorobutadiene	1.24	0.34	mg/Kg wet	1.67		74.5	40-140			
Hexachlorocyclopentadiene	0.990	0.34	mg/Kg wet	1.67		59.4	30-140			V-06
Hexachloroethane	1.14	0.34	mg/Kg wet	1.67		68.6	40-140			
Indeno(1,2,3-cd)pyrene	1.51	0.17	mg/Kg wet	1.67		90.5	40-140			
Isophorone	1.42	0.34	mg/Kg wet	1.67		84.9	40-140			
2-Methylnaphthalene	1.26	0.17	mg/Kg wet	1.67		75.3	40-140			
2-Methylphenol	1.28	0.34	mg/Kg wet	1.67		76.6	30-130			
3/4-Methylphenol	1.37	0.34	mg/Kg wet	1.67		82.1	30-130			
Naphthalene	1.18	0.17	mg/Kg wet	1.67		71.1	40-140			
2-Nitroaniline	1.45	0.34	mg/Kg wet	1.67		87.1	40-140			
3-Nitroaniline	1.28	0.34	mg/Kg wet	1.67		76.9	40-140			†
4-Nitroaniline	1.21	0.34	mg/Kg wet	1.67		72.3	40-140			
Nitrobenzene	1.30	0.34	mg/Kg wet	1.67		77.8	40-140			
2-Nitrophenol	1.23	0.34	mg/Kg wet	1.67		73.5	30-130			
4-Nitrophenol	1.57	0.66	mg/Kg wet	1.67		94.1	10-130			
N-Nitrosodiphenylamine	1.83	0.34	mg/Kg wet	1.67		110	40-140			
N-Nitrosodi-n-propylamine	1.31	0.34	mg/Kg wet	1.67		78.7	40-140			
Pentachloronitrobenzene	1.51	0.34	mg/Kg wet	1.67		90.9	40-140			V-16
Pentachlorophenol	0.973	0.34	mg/Kg wet	1.67		58.4	30-130			
Phenanthrene	1.35	0.17	mg/Kg wet	1.67		81.2	40-140			
Phenol	1.37	0.34	mg/Kg wet	1.67		82.0	20-130			
Pyrene	1.46	0.17	mg/Kg wet	1.67		87.6	40-140			
Pyridine	0.827	0.34	mg/Kg wet	1.67		49.6	10-140			†
1,2,4,5-Tetrachlorobenzene	1.36	0.34	mg/Kg wet	1.67		81.4	40-140			
1,2,4-Trichlorobenzene	1.21	0.34	mg/Kg wet	1.67		72.8	40-140			
2,4,5-Trichlorophenol	1.40	0.34	mg/Kg wet	1.67		83.8	30-130			
2,4,6-Trichlorophenol	1.39	0.34	mg/Kg wet	1.67		83.6	30-130			
Surrogate: 2-Fluorophenol	4.74		mg/Kg wet	6.67		71.1	30-130			
Surrogate: Phenol-d6	5.03		mg/Kg wet	6.67		75.4	30-130			
Surrogate: Nitrobenzene-d5	2.46		mg/Kg wet	3.33		73.9	30-130			
Surrogate: 2-Fluorobiphenyl	2.60		mg/Kg wet	3.33		77.9	30-130			
Surrogate: 2,4,6-Tribromophenol	5.97		mg/Kg wet	6.67		89.5	30-130			
Surrogate: p-Terphenyl-d14	2.92		mg/Kg wet	3.33		87.6	30-130			

LCS Dup (B122004-BSD1)

Prepared: 05/18/15 Analyzed: 05/19/15

Acenaphthene	1.33	0.17	mg/Kg wet	1.67		80.1	40-140	0.200	30	
Acenaphthylene	1.32	0.17	mg/Kg wet	1.67		78.9	40-140	0.657	30	
Aniline	0.931	0.34	mg/Kg wet	1.67		55.9	40-140	11.4	50	† ‡
Anthracene	1.35	0.17	mg/Kg wet	1.67		80.9	40-140	0.173	30	
Benzo(a)anthracene	1.39	0.17	mg/Kg wet	1.67		83.2	40-140	1.82	30	
Benzo(a)pyrene	1.36	0.17	mg/Kg wet	1.67		81.6	40-140	0.976	30	
Benzo(b)fluoranthene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140	1.84	30	
Benzo(g,h,i)perylene	1.46	0.17	mg/Kg wet	1.67		87.5	40-140	0.665	30	
Benzo(k)fluoranthene	1.35	0.17	mg/Kg wet	1.67		81.2	40-140	0.516	30	
Bis(2-chloroethoxy)methane	1.36	0.34	mg/Kg wet	1.67		81.6	40-140	2.48	30	

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 B122004 - SW-846 3546										
LCS Dup (B122004-BSD1)										
					Prepared: 05/18/15 Analyzed: 05/19/15					
Bis(2-chloroethyl)ether	1.37	0.34	mg/Kg wet	1.67		82.0	40-140	4.13	30	
Bis(2-chloroisopropyl)ether	1.29	0.34	mg/Kg wet	1.67		77.6	40-140	1.93	30	
Bis(2-Ethylhexyl)phthalate	1.86	0.34	mg/Kg wet	1.67		111	40-140	1.39	30	
4-Bromophenylphenylether	1.45	0.34	mg/Kg wet	1.67		86.9	40-140	3.23	30	
Butylbenzylphthalate	1.50	0.34	mg/Kg wet	1.67		90.1	40-140	0.0888	30	
Carbazole	1.32	0.17	mg/Kg wet	1.67		79.3	40-140	1.22	30	
4-Chloroaniline	0.984	0.66	mg/Kg wet	1.67		59.0	40-140	0.475	30	†
4-Chloro-3-methylphenol	1.37	0.66	mg/Kg wet	1.67		82.0	30-130	3.36	30	
2-Chloronaphthalene	1.17	0.34	mg/Kg wet	1.67		69.9	40-140	1.70	30	
2-Chlorophenol	1.29	0.34	mg/Kg wet	1.67		77.2	30-130	3.13	30	
4-Chlorophenylphenylether	1.40	0.34	mg/Kg wet	1.67		84.1	40-140	2.23	30	
Chrysene	1.40	0.17	mg/Kg wet	1.67		84.0	40-140	0.765	30	
Dibenz(a,h)anthracene	1.52	0.17	mg/Kg wet	1.67		91.3	40-140	1.57	30	
Dibenzofuran	1.36	0.34	mg/Kg wet	1.67		81.4	40-140	1.87	30	
Di-n-butylphthalate	1.42	0.34	mg/Kg wet	1.67		85.5	40-140	0.00	30	
3,3-Dichlorobenzidine	1.46	0.17	mg/Kg wet	1.67		87.5	40-140	4.18	30	† ‡
2,4-Dichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.4	30-130	0.965	30	
Diethylphthalate	1.47	0.34	mg/Kg wet	1.67		87.9	40-140	2.47	30	
2,4-Dimethylphenol	1.28	0.34	mg/Kg wet	1.67		77.0	30-130	4.94	30	
Dimethylphthalate	1.43	0.34	mg/Kg wet	1.67		85.8	40-140	1.50	50	
4,6-Dinitro-2-methylphenol	0.652	0.34	mg/Kg wet	1.67		39.1	30-130	12.2	50	
2,4-Dinitrophenol	0.352	0.66	mg/Kg wet	1.67		21.1	* 30-130	22.2	50	L-04
2,4-Dinitrotoluene	1.44	0.34	mg/Kg wet	1.67		86.1	40-140	0.993	30	
2,6-Dinitrotoluene	1.46	0.34	mg/Kg wet	1.67		87.5	40-140	5.25	30	
Di-n-octylphthalate	1.54	0.34	mg/Kg wet	1.67		92.5	40-140	1.40	30	
Fluoranthene	1.28	0.17	mg/Kg wet	1.67		76.9	40-140	0.441	30	
Fluorene	1.37	0.17	mg/Kg wet	1.67		82.1	40-140	1.79	30	
Hexachlorobenzene	1.46	0.34	mg/Kg wet	1.67		87.4	40-140	0.781	30	
Hexachlorobutadiene	1.23	0.34	mg/Kg wet	1.67		73.6	40-140	1.19	30	
Hexachlorocyclopentadiene	0.985	0.34	mg/Kg wet	1.67		59.1	30-140	0.472	50	V-06
Hexachloroethane	1.14	0.34	mg/Kg wet	1.67		68.6	40-140	0.0583	50	
Indeno(1,2,3-cd)pyrene	1.59	0.17	mg/Kg wet	1.67		95.3	40-140	5.23	50	
Isophorone	1.40	0.34	mg/Kg wet	1.67		84.2	40-140	0.852	30	
2-Methylnaphthalene	1.25	0.17	mg/Kg wet	1.67		75.0	40-140	0.373	30	
2-Methylphenol	1.31	0.34	mg/Kg wet	1.67		78.7	30-130	2.76	30	
3/4-Methylphenol	1.38	0.34	mg/Kg wet	1.67		82.5	30-130	0.462	30	
Naphthalene	1.19	0.17	mg/Kg wet	1.67		71.6	40-140	0.729	30	
2-Nitroaniline	1.44	0.34	mg/Kg wet	1.67		86.3	40-140	0.923	30	
3-Nitroaniline	1.24	0.34	mg/Kg wet	1.67		74.5	40-140	3.25	30	†
4-Nitroaniline	1.19	0.34	mg/Kg wet	1.67		71.2	40-140	1.53	30	
Nitrobenzene	1.30	0.34	mg/Kg wet	1.67		77.8	40-140	0.0514	30	
2-Nitrophenol	1.23	0.34	mg/Kg wet	1.67		73.5	30-130	0.0273	30	
4-Nitrophenol	1.39	0.66	mg/Kg wet	1.67		83.7	10-130	11.7	50	‡
N-Nitrosodiphenylamine	1.85	0.34	mg/Kg wet	1.67		111	40-140	1.12	30	
N-Nitrosodi-n-propylamine	1.35	0.34	mg/Kg wet	1.67		81.0	40-140	2.83	30	
Pentachloronitrobenzene	1.47	0.34	mg/Kg wet	1.67		88.4	40-140	2.77	30	V-16
Pentachlorophenol	0.942	0.34	mg/Kg wet	1.67		56.5	30-130	3.24	50	
Phenanthrene	1.38	0.17	mg/Kg wet	1.67		82.9	40-140	2.02	30	
Phenol	1.40	0.34	mg/Kg wet	1.67		83.7	20-130	2.12	30	
Pyrene	1.44	0.17	mg/Kg wet	1.67		86.1	40-140	1.68	30	
Pyridine	0.835	0.34	mg/Kg wet	1.67		50.1	10-140	0.963	50	†
1,2,4,5-Tetrachlorobenzene	1.30	0.34	mg/Kg wet	1.67		78.2	40-140	3.96	30	

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

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 B122004 - SW-846 3546

LCS Dup (B122004-BSD1)

Prepared: 05/18/15 Analyzed: 05/19/15

1,2,4-Trichlorobenzene	1.20	0.34	mg/Kg wet	1.67		72.1	40-140	0.911	30	
2,4,5-Trichlorophenol	1.35	0.34	mg/Kg wet	1.67		81.3	30-130	3.05	30	
2,4,6-Trichlorophenol	1.38	0.34	mg/Kg wet	1.67		82.6	30-130	1.11	50	
Surrogate: 2-Fluorophenol	4.84		mg/Kg wet	6.67		72.6	30-130			
Surrogate: Phenol-d6	5.11		mg/Kg wet	6.67		76.7	30-130			
Surrogate: Nitrobenzene-d5	2.45		mg/Kg wet	3.33		73.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.61		mg/Kg wet	3.33		78.2	30-130			
Surrogate: 2,4,6-Tribromophenol	5.64		mg/Kg wet	6.67		84.6	30-130			
Surrogate: p-Terphenyl-d14	2.88		mg/Kg wet	3.33		86.5	30-130			

Matrix Spike (B122004-MS1)

Source: 15E0237-04

Prepared: 05/18/15 Analyzed: 05/19/15

Acenaphthene	1.48	0.19	mg/Kg dry	1.82	ND	81.5	40-140			
Acenaphthylene	1.46	0.19	mg/Kg dry	1.82	ND	80.4	40-140			
Aniline	0.854	0.37	mg/Kg dry	1.82	ND	47.0	40-140			
Anthracene	1.50	0.19	mg/Kg dry	1.82	ND	82.6	40-140			
Benzo(a)anthracene	1.52	0.19	mg/Kg dry	1.82	ND	83.3	40-140			
Benzo(a)pyrene	1.50	0.19	mg/Kg dry	1.82	ND	82.3	40-140			
Benzo(b)fluoranthene	1.52	0.19	mg/Kg dry	1.82	ND	83.4	40-140			
Benzo(g,h,i)perylene	1.38	0.19	mg/Kg dry	1.82	ND	75.7	40-140			
Benzo(k)fluoranthene	1.52	0.19	mg/Kg dry	1.82	ND	83.6	40-140			
Bis(2-chloroethoxy)methane	1.55	0.37	mg/Kg dry	1.82	ND	85.4	40-140			
Bis(2-chloroethyl)ether	1.49	0.37	mg/Kg dry	1.82	ND	81.7	40-140			
Bis(2-chloroisopropyl)ether	1.40	0.37	mg/Kg dry	1.82	ND	77.3	40-140			
Bis(2-Ethylhexyl)phthalate	1.80	0.37	mg/Kg dry	1.82	ND	99.0	40-140			
4-Bromophenylphenylether	1.63	0.37	mg/Kg dry	1.82	ND	89.6	40-140			
Butylbenzylphthalate	1.59	0.37	mg/Kg dry	1.82	ND	87.6	40-140			
Carbazole	1.43	0.19	mg/Kg dry	1.82	ND	78.7	40-140			
4-Chloroaniline	1.07	0.72	mg/Kg dry	1.82	ND	59.0	40-140			
4-Chloro-3-methylphenol	1.52	0.72	mg/Kg dry	1.82	ND	83.7	30-130			
2-Chloronaphthalene	1.34	0.37	mg/Kg dry	1.82	ND	73.4	40-140			
2-Chlorophenol	1.41	0.37	mg/Kg dry	1.82	ND	77.3	30-130			
4-Chlorophenylphenylether	1.55	0.37	mg/Kg dry	1.82	ND	85.4	40-140			
Chrysene	1.53	0.19	mg/Kg dry	1.82	ND	84.4	40-140			
Dibenz(a,h)anthracene	1.49	0.19	mg/Kg dry	1.82	ND	81.9	40-140			
Dibenzofuran	1.54	0.37	mg/Kg dry	1.82	ND	84.5	40-140			
Di-n-butylphthalate	1.55	0.37	mg/Kg dry	1.82	ND	85.4	40-140			
3,3-Dichlorobenzidine	1.48	0.19	mg/Kg dry	1.82	ND	81.6	40-140			
2,4-Dichlorophenol	1.49	0.37	mg/Kg dry	1.82	ND	81.8	30-130			
Diethylphthalate	1.61	0.37	mg/Kg dry	1.82	ND	88.7	40-140			
2,4-Dimethylphenol	1.35	0.37	mg/Kg dry	1.82	ND	74.3	30-130			
Dimethylphthalate	1.60	0.37	mg/Kg dry	1.82	ND	88.1	40-140			
4,6-Dinitro-2-methylphenol	1.36	0.37	mg/Kg dry	1.82	ND	74.7	30-130			
2,4-Dinitrophenol	1.36	0.72	mg/Kg dry	1.82	ND	74.7	30-130			
2,4-Dinitrotoluene	1.56	0.37	mg/Kg dry	1.82	ND	85.7	40-140			
2,6-Dinitrotoluene	1.67	0.37	mg/Kg dry	1.82	ND	91.7	40-140			
Di-n-octylphthalate	1.62	0.37	mg/Kg dry	1.82	ND	89.3	40-140			
Fluoranthene	1.38	0.19	mg/Kg dry	1.82	ND	76.1	40-140			
Fluorene	1.52	0.19	mg/Kg dry	1.82	ND	83.5	40-140			
Hexachlorobenzene	1.65	0.37	mg/Kg dry	1.82	ND	90.8	40-140			
Hexachlorobutadiene	1.39	0.37	mg/Kg dry	1.82	ND	76.2	40-140			
Hexachlorocyclopentadiene	1.02	0.37	mg/Kg dry	1.82	ND	56.0	40-140			
Hexachloroethane	1.27	0.37	mg/Kg dry	1.82	ND	69.7	40-140			

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 B122004 - SW-846 3546										
Matrix Spike (B122004-MS1)										
		Source: 15E0237-04			Prepared: 05/18/15 Analyzed: 05/19/15					
Indeno(1,2,3-cd)pyrene	1.47	0.19	mg/Kg dry	1.82	ND	80.8	40-140			
Isophorone	1.60	0.37	mg/Kg dry	1.82	ND	88.2	40-140			
2-Methylnaphthalene	1.41	0.19	mg/Kg dry	1.82	ND	77.4	40-140			
2-Methylphenol	1.41	0.37	mg/Kg dry	1.82	ND	77.7	30-130			
3/4-Methylphenol	1.51	0.37	mg/Kg dry	1.82	ND	82.8	30-130			
Naphthalene	1.35	0.19	mg/Kg dry	1.82	ND	74.3	40-140			
2-Nitroaniline	1.60	0.37	mg/Kg dry	1.82	ND	87.7	40-140			
3-Nitroaniline	1.25	0.37	mg/Kg dry	1.82	ND	68.8	40-140			
4-Nitroaniline	1.21	0.37	mg/Kg dry	1.82	ND	66.3	40-140			
Nitrobenzene	1.46	0.37	mg/Kg dry	1.82	ND	80.5	40-140			
2-Nitrophenol	1.41	0.37	mg/Kg dry	1.82	ND	77.5	30-130			
4-Nitrophenol	1.65	0.72	mg/Kg dry	1.82	ND	90.8	30-130			
N-Nitrosodiphenylamine	2.01	0.37	mg/Kg dry	1.82	ND	111	40-140			
N-Nitrosodi-n-propylamine	1.49	0.37	mg/Kg dry	1.82	ND	81.9	40-140			
Pentachloronitrobenzene	1.63	0.37	mg/Kg dry	1.82	ND	89.8	40-140			V-16
Pentachlorophenol	1.45	0.37	mg/Kg dry	1.82	ND	79.9	30-130			
Phenanthrene	1.51	0.19	mg/Kg dry	1.82	ND	83.1	40-140			
Phenol	1.52	0.37	mg/Kg dry	1.82	ND	83.8	30-130			
Pyrene	1.55	0.19	mg/Kg dry	1.82	ND	85.4	40-140			
Pyridine	0.651	0.37	mg/Kg dry	1.82	ND	35.8 *	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	1.50	0.37	mg/Kg dry	1.82	ND	82.6	40-140			
1,2,4-Trichlorobenzene	1.39	0.37	mg/Kg dry	1.82	ND	76.3	40-140			
2,4,5-Trichlorophenol	1.60	0.37	mg/Kg dry	1.82	ND	88.2	30-130			
2,4,6-Trichlorophenol	1.55	0.37	mg/Kg dry	1.82	ND	85.2	30-130			
Surrogate: 2-Fluorophenol	5.29		mg/Kg dry	7.27		72.8	30-130			
Surrogate: Phenol-d6	5.65		mg/Kg dry	7.27		77.6	30-130			
Surrogate: Nitrobenzene-d5	2.82		mg/Kg dry	3.64		77.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.94		mg/Kg dry	3.64		80.9	30-130			
Surrogate: 2,4,6-Tribromophenol	6.30		mg/Kg dry	7.27		86.6	30-130			
Surrogate: p-Terphenyl-d14	3.07		mg/Kg dry	3.64		84.5	30-130			
Matrix Spike Dup (B122004-MSD1)										
		Source: 15E0237-04			Prepared: 05/18/15 Analyzed: 05/19/15					
Acenaphthene	1.34	0.19	mg/Kg dry	1.82	ND	73.5	40-140	10.2	30	
Acenaphthylene	1.31	0.19	mg/Kg dry	1.82	ND	71.9	40-140	11.2	30	
Aniline	0.779	0.37	mg/Kg dry	1.82	ND	42.8	40-140	9.18	30	
Anthracene	1.30	0.19	mg/Kg dry	1.82	ND	71.7	40-140	14.2	30	
Benzo(a)anthracene	1.37	0.19	mg/Kg dry	1.82	ND	75.5	40-140	9.85	30	
Benzo(a)pyrene	1.34	0.19	mg/Kg dry	1.82	ND	73.8	40-140	10.9	30	
Benzo(b)fluoranthene	1.35	0.19	mg/Kg dry	1.82	ND	74.0	40-140	11.9	30	
Benzo(g,h,i)perylene	1.24	0.19	mg/Kg dry	1.82	ND	67.9	40-140	10.8	30	
Benzo(k)fluoranthene	1.33	0.19	mg/Kg dry	1.82	ND	73.3	40-140	13.0	30	
Bis(2-chloroethoxy)methane	1.32	0.37	mg/Kg dry	1.82	ND	72.7	40-140	16.0	30	
Bis(2-chloroethyl)ether	1.27	0.37	mg/Kg dry	1.82	ND	70.0	40-140	15.5	30	
Bis(2-chloroisopropyl)ether	1.24	0.37	mg/Kg dry	1.82	ND	68.4	40-140	12.1	30	
Bis(2-Ethylhexyl)phthalate	1.63	0.37	mg/Kg dry	1.82	ND	89.7	40-140	9.86	30	
4-Bromophenylphenylether	1.44	0.37	mg/Kg dry	1.82	ND	79.1	40-140	12.5	30	
Butylbenzylphthalate	1.44	0.37	mg/Kg dry	1.82	ND	79.3	40-140	9.87	30	
Carbazole	1.28	0.19	mg/Kg dry	1.82	ND	70.3	40-140	11.3	30	
4-Chloroaniline	0.978	0.72	mg/Kg dry	1.82	ND	53.8	40-140	9.25	30	
4-Chloro-3-methylphenol	1.35	0.72	mg/Kg dry	1.82	ND	74.4	30-130	11.8	30	
2-Chloronaphthalene	1.18	0.37	mg/Kg dry	1.82	ND	65.1	40-140	12.1	30	
2-Chlorophenol	1.25	0.37	mg/Kg dry	1.82	ND	68.5	30-130	12.0	30	

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 B122004 - SW-846 3546										
Matrix Spike Dup (B122004-MSD1)										
		Source: 15E0237-04			Prepared: 05/18/15 Analyzed: 05/19/15					
4-Chlorophenylphenylether	1.39	0.37	mg/Kg dry	1.82	ND	76.6	40-140	11.0	30	
Chrysene	1.39	0.19	mg/Kg dry	1.82	ND	76.5	40-140	9.79	30	
Dibenz(a,h)anthracene	1.34	0.19	mg/Kg dry	1.82	ND	74.0	40-140	10.1	30	
Dibenzofuran	1.38	0.37	mg/Kg dry	1.82	ND	75.7	40-140	10.9	30	
Di-n-butylphthalate	1.39	0.37	mg/Kg dry	1.82	ND	76.2	40-140	11.4	30	
3,3-Dichlorobenzidine	1.47	0.19	mg/Kg dry	1.82	ND	80.9	40-140	0.812	30	
2,4-Dichlorophenol	1.32	0.37	mg/Kg dry	1.82	ND	72.5	30-130	12.1	30	
Diethylphthalate	1.42	0.37	mg/Kg dry	1.82	ND	77.9	40-140	12.9	30	
2,4-Dimethylphenol	1.21	0.37	mg/Kg dry	1.82	ND	66.3	30-130	11.4	30	
Dimethylphthalate	1.41	0.37	mg/Kg dry	1.82	ND	77.5	40-140	12.8	30	
4,6-Dinitro-2-methylphenol	1.23	0.37	mg/Kg dry	1.82	ND	67.7	30-130	9.92	30	
2,4-Dinitrophenol	1.16	0.72	mg/Kg dry	1.82	ND	63.7	30-130	15.9	30	
2,4-Dinitrotoluene	1.41	0.37	mg/Kg dry	1.82	ND	77.8	40-140	9.64	30	
2,6-Dinitrotoluene	1.47	0.37	mg/Kg dry	1.82	ND	80.8	40-140	12.6	30	
Di-n-octylphthalate	1.43	0.37	mg/Kg dry	1.82	ND	78.6	40-140	12.7	30	
Fluoranthene	1.23	0.19	mg/Kg dry	1.82	ND	67.6	40-140	11.8	30	
Fluorene	1.36	0.19	mg/Kg dry	1.82	ND	74.6	40-140	11.2	30	
Hexachlorobenzene	1.46	0.37	mg/Kg dry	1.82	ND	80.3	40-140	12.2	30	
Hexachlorobutadiene	1.19	0.37	mg/Kg dry	1.82	ND	65.6	40-140	14.9	30	
Hexachlorocyclopentadiene	0.888	0.37	mg/Kg dry	1.82	ND	48.8	40-140	13.7	30	
Hexachloroethane	1.11	0.37	mg/Kg dry	1.82	ND	60.9	40-140	13.6	30	
Indeno(1,2,3-cd)pyrene	1.33	0.19	mg/Kg dry	1.82	ND	73.3	40-140	9.74	30	
Isophorone	1.38	0.37	mg/Kg dry	1.82	ND	75.8	40-140	15.1	30	
2-Methylnaphthalene	1.20	0.19	mg/Kg dry	1.82	ND	65.9	40-140	16.0	30	
2-Methylphenol	1.27	0.37	mg/Kg dry	1.82	ND	69.7	30-130	10.8	30	
3/4-Methylphenol	1.34	0.37	mg/Kg dry	1.82	ND	73.9	30-130	11.3	30	
Naphthalene	1.17	0.19	mg/Kg dry	1.82	ND	64.4	40-140	14.3	30	
2-Nitroaniline	1.40	0.37	mg/Kg dry	1.82	ND	76.9	40-140	13.1	30	
3-Nitroaniline	1.20	0.37	mg/Kg dry	1.82	ND	66.2	40-140	3.91	30	
4-Nitroaniline	1.11	0.37	mg/Kg dry	1.82	ND	61.3	40-140	7.84	30	
Nitrobenzene	1.26	0.37	mg/Kg dry	1.82	ND	69.4	40-140	14.8	30	
2-Nitrophenol	1.19	0.37	mg/Kg dry	1.82	ND	65.6	30-130	16.6	30	
4-Nitrophenol	1.48	0.72	mg/Kg dry	1.82	ND	81.1	30-130	11.3	30	
N-Nitrosodiphenylamine	1.82	0.37	mg/Kg dry	1.82	ND	100	40-140	10.1	30	
N-Nitrosodi-n-propylamine	1.33	0.37	mg/Kg dry	1.82	ND	73.2	40-140	11.3	30	
Pentachloronitrobenzene	1.42	0.37	mg/Kg dry	1.82	ND	78.3	40-140	13.7	30	V-16
Pentachlorophenol	1.21	0.37	mg/Kg dry	1.82	ND	66.8	30-130	17.9	30	
Phenanthrene	1.35	0.19	mg/Kg dry	1.82	ND	74.5	40-140	10.9	30	
Phenol	1.35	0.37	mg/Kg dry	1.82	ND	74.5	30-130	11.8	30	
Pyrene	1.43	0.19	mg/Kg dry	1.82	ND	78.4	40-140	8.45	30	
Pyridine	0.580	0.37	mg/Kg dry	1.82	ND	31.9	* 40-140	11.6	30	MS-09
1,2,4,5-Tetrachlorobenzene	1.30	0.37	mg/Kg dry	1.82	ND	71.3	40-140	14.7	30	
1,2,4-Trichlorobenzene	1.18	0.37	mg/Kg dry	1.82	ND	64.9	40-140	16.2	30	
2,4,5-Trichlorophenol	1.39	0.37	mg/Kg dry	1.82	ND	76.6	30-130	14.1	30	
2,4,6-Trichlorophenol	1.34	0.37	mg/Kg dry	1.82	ND	73.9	30-130	14.2	30	
Surrogate: 2-Fluorophenol	4.60		mg/Kg dry	7.27		63.2	30-130			
Surrogate: Phenol-d6	4.96		mg/Kg dry	7.27		68.2	30-130			
Surrogate: Nitrobenzene-d5	2.41		mg/Kg dry	3.64		66.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.58		mg/Kg dry	3.64		70.8	30-130			
Surrogate: 2,4,6-Tribromophenol	5.59		mg/Kg dry	7.27		76.9	30-130			
Surrogate: p-Terphenyl-d14	2.76		mg/Kg dry	3.64		75.9	30-130			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B121193 - SW-846 3546

Blank (B121193-BLK1)

Prepared: 05/07/15 Analyzed: 05/08/15

alpha-Chlordane	ND	0.0050	mg/Kg wet							
alpha-Chlordane [2C]	ND	0.0050	mg/Kg wet							
gamma-Chlordane	ND	0.0050	mg/Kg wet							
gamma-Chlordane [2C]	ND	0.0050	mg/Kg wet							
Alachlor	ND	0.020	mg/Kg wet							
Alachlor [2C]	ND	0.020	mg/Kg wet							
Aldrin	ND	0.0050	mg/Kg wet							
Aldrin [2C]	ND	0.0050	mg/Kg wet							
alpha-BHC	ND	0.0050	mg/Kg wet							
alpha-BHC [2C]	ND	0.0050	mg/Kg wet							
beta-BHC	ND	0.0050	mg/Kg wet							
beta-BHC [2C]	ND	0.0050	mg/Kg wet							
delta-BHC	ND	0.0050	mg/Kg wet							
delta-BHC [2C]	ND	0.0050	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0020	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0020	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0040	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDE	ND	0.0040	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDT	ND	0.0040	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0040	mg/Kg wet							
Dieldrin	ND	0.0040	mg/Kg wet							
Dieldrin [2C]	ND	0.0040	mg/Kg wet							
Endosulfan I	ND	0.0050	mg/Kg wet							
Endosulfan I [2C]	ND	0.0050	mg/Kg wet							
Endosulfan II	ND	0.0080	mg/Kg wet							
Endosulfan II [2C]	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet							
Endrin	ND	0.0080	mg/Kg wet							
Endrin [2C]	ND	0.0080	mg/Kg wet							
Endrin Aldehyde	ND	0.0080	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet							
Endrin Ketone	ND	0.0080	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet							
Heptachlor	ND	0.0050	mg/Kg wet							
Heptachlor [2C]	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet							
Hexachlorobenzene	ND	0.0060	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0060	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.10	mg/Kg wet							
Toxaphene [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		90.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.193		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.180		mg/Kg wet	0.200		89.8	30-150			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121193 - SW-846 3546										
LCS (B121193-BS1)										
					Prepared: 05/07/15 Analyzed: 05/08/15					
Alachlor	0.094	0.020	mg/Kg wet	0.100		94.4	40-140			
Alachlor [2C]	0.087	0.020	mg/Kg wet	0.100		87.5	40-140			
Aldrin	0.11	0.0050	mg/Kg wet	0.100		112	40-140			
Aldrin [2C]	0.10	0.0050	mg/Kg wet	0.100		104	40-140			
alpha-BHC	0.10	0.0050	mg/Kg wet	0.100		102	40-140			
alpha-BHC [2C]	0.10	0.0050	mg/Kg wet	0.100		99.6	40-140			
beta-BHC	0.098	0.0050	mg/Kg wet	0.100		97.8	40-140			
beta-BHC [2C]	0.095	0.0050	mg/Kg wet	0.100		94.7	40-140			
delta-BHC	0.089	0.0050	mg/Kg wet	0.100		89.1	40-140			
delta-BHC [2C]	0.082	0.0050	mg/Kg wet	0.100		82.5	40-140			
gamma-BHC (Lindane)	0.11	0.0020	mg/Kg wet	0.100		107	40-140			
gamma-BHC (Lindane) [2C]	0.099	0.0020	mg/Kg wet	0.100		99.5	40-140			
4,4'-DDD	0.12	0.0040	mg/Kg wet	0.100		117	40-140			
4,4'-DDD [2C]	0.11	0.0040	mg/Kg wet	0.100		108	40-140			
4,4'-DDE	0.12	0.0040	mg/Kg wet	0.100		117	40-140			
4,4'-DDE [2C]	0.10	0.0040	mg/Kg wet	0.100		105	40-140			
4,4'-DDT	0.12	0.0040	mg/Kg wet	0.100		120	40-140			
4,4'-DDT [2C]	0.10	0.0040	mg/Kg wet	0.100		103	40-140			
Dieldrin	0.11	0.0040	mg/Kg wet	0.100		109	40-140			
Dieldrin [2C]	0.099	0.0040	mg/Kg wet	0.100		98.7	40-140			
Endosulfan I	0.10	0.0050	mg/Kg wet	0.100		103	40-140			
Endosulfan I [2C]	0.099	0.0050	mg/Kg wet	0.100		98.5	40-140			
Endosulfan II	0.11	0.0080	mg/Kg wet	0.100		107	40-140			
Endosulfan II [2C]	0.10	0.0080	mg/Kg wet	0.100		101	40-140			
Endosulfan Sulfate	0.10	0.0080	mg/Kg wet	0.100		102	40-140			
Endosulfan Sulfate [2C]	0.096	0.0080	mg/Kg wet	0.100		96.3	40-140			
Endrin	0.12	0.0080	mg/Kg wet	0.100		119	40-140			
Endrin [2C]	0.11	0.0080	mg/Kg wet	0.100		110	40-140			
Endrin Aldehyde	0.10	0.0080	mg/Kg wet	0.100		105	40-140			
Endrin Aldehyde [2C]	0.10	0.0080	mg/Kg wet	0.100		100	40-140			
Endrin Ketone	0.099	0.0080	mg/Kg wet	0.100		98.8	40-140			
Endrin Ketone [2C]	0.098	0.0080	mg/Kg wet	0.100		98.3	40-140			
Heptachlor	0.11	0.0050	mg/Kg wet	0.100		106	40-140			
Heptachlor [2C]	0.10	0.0050	mg/Kg wet	0.100		103	40-140			
Heptachlor Epoxide	0.11	0.0050	mg/Kg wet	0.100		108	40-140			
Heptachlor Epoxide [2C]	0.10	0.0050	mg/Kg wet	0.100		103	40-140			
Hexachlorobenzene	0.11	0.0060	mg/Kg wet	0.100		110	40-140			
Hexachlorobenzene [2C]	0.10	0.0060	mg/Kg wet	0.100		102	40-140			
Methoxychlor	0.13	0.050	mg/Kg wet	0.100		126	40-140			
Methoxychlor [2C]	0.11	0.050	mg/Kg wet	0.100		114	40-140			
Surrogate: Decachlorobiphenyl	0.198		mg/Kg wet	0.200		99.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.195		mg/Kg wet	0.200		97.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.183		mg/Kg wet	0.200		91.3	30-150			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121193 - SW-846 3546										
LCS Dup (B121193-BSD1)										
					Prepared: 05/07/15 Analyzed: 05/08/15					
Alachlor	0.098	0.020	mg/Kg wet	0.100		98.4	40-140	4.22	30	
Alachlor [2C]	0.090	0.020	mg/Kg wet	0.100		90.3	40-140	3.20	30	
Aldrin	0.11	0.0050	mg/Kg wet	0.100		111	40-140	0.497	30	
Aldrin [2C]	0.10	0.0050	mg/Kg wet	0.100		104	40-140	0.0656	30	
alpha-BHC	0.097	0.0050	mg/Kg wet	0.100		97.1	40-140	4.69	30	
alpha-BHC [2C]	0.097	0.0050	mg/Kg wet	0.100		96.6	40-140	3.04	30	
beta-BHC	0.099	0.0050	mg/Kg wet	0.100		99.2	40-140	1.38	30	
beta-BHC [2C]	0.096	0.0050	mg/Kg wet	0.100		96.1	40-140	1.44	30	
delta-BHC	0.095	0.0050	mg/Kg wet	0.100		94.6	40-140	6.02	30	
delta-BHC [2C]	0.090	0.0050	mg/Kg wet	0.100		89.9	40-140	8.64	30	
gamma-BHC (Lindane)	0.10	0.0020	mg/Kg wet	0.100		102	40-140	4.80	30	
gamma-BHC (Lindane) [2C]	0.096	0.0020	mg/Kg wet	0.100		96.4	40-140	3.17	30	
4,4'-DDD	0.12	0.0040	mg/Kg wet	0.100		119	40-140	1.19	30	
4,4'-DDD [2C]	0.11	0.0040	mg/Kg wet	0.100		115	40-140	6.35	30	
4,4'-DDE	0.12	0.0040	mg/Kg wet	0.100		118	40-140	0.713	30	
4,4'-DDE [2C]	0.10	0.0040	mg/Kg wet	0.100		105	40-140	0.265	30	
4,4'-DDT	0.12	0.0040	mg/Kg wet	0.100		120	40-140	0.188	30	
4,4'-DDT [2C]	0.10	0.0040	mg/Kg wet	0.100		104	40-140	0.538	30	
Dieldrin	0.11	0.0040	mg/Kg wet	0.100		109	40-140	0.126	30	
Dieldrin [2C]	0.10	0.0040	mg/Kg wet	0.100		99.6	40-140	0.827	30	
Endosulfan I	0.085	0.0050	mg/Kg wet	0.100		84.9	40-140	19.2	30	
Endosulfan I [2C]	0.083	0.0050	mg/Kg wet	0.100		83.5	40-140	16.5	30	
Endosulfan II	0.092	0.0080	mg/Kg wet	0.100		92.0	40-140	14.6	30	
Endosulfan II [2C]	0.090	0.0080	mg/Kg wet	0.100		89.9	40-140	11.9	30	
Endosulfan Sulfate	0.097	0.0080	mg/Kg wet	0.100		97.4	40-140	4.83	30	
Endosulfan Sulfate [2C]	0.092	0.0080	mg/Kg wet	0.100		92.4	40-140	4.15	30	
Endrin	0.12	0.0080	mg/Kg wet	0.100		121	40-140	1.36	30	
Endrin [2C]	0.11	0.0080	mg/Kg wet	0.100		111	40-140	1.07	30	
Endrin Aldehyde	0.10	0.0080	mg/Kg wet	0.100		103	40-140	1.73	30	
Endrin Aldehyde [2C]	0.10	0.0080	mg/Kg wet	0.100		101	40-140	0.454	30	
Endrin Ketone	0.10	0.0080	mg/Kg wet	0.100		101	40-140	2.62	30	
Endrin Ketone [2C]	0.12	0.0080	mg/Kg wet	0.100		118	40-140	18.0	30	
Heptachlor	0.11	0.0050	mg/Kg wet	0.100		105	40-140	0.791	30	
Heptachlor [2C]	0.10	0.0050	mg/Kg wet	0.100		103	40-140	0.0884	30	
Heptachlor Epoxide	0.11	0.0050	mg/Kg wet	0.100		108	40-140	0.520	30	
Heptachlor Epoxide [2C]	0.10	0.0050	mg/Kg wet	0.100		103	40-140	0.287	30	
Hexachlorobenzene	0.11	0.0060	mg/Kg wet	0.100		109	40-140	1.06	30	
Hexachlorobenzene [2C]	0.10	0.0060	mg/Kg wet	0.100		100	40-140	1.63	30	
Methoxychlor	0.13	0.050	mg/Kg wet	0.100		128	40-140	1.28	30	
Methoxychlor [2C]	0.12	0.050	mg/Kg wet	0.100		117	40-140	2.47	30	
Surrogate: Decachlorobiphenyl	0.197		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.185		mg/Kg wet	0.200		92.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.191		mg/Kg wet	0.200		95.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.177		mg/Kg wet	0.200		88.6	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121133 - SW-846 3546										
Blank (B121133-BLK1)										
Prepared: 05/06/15 Analyzed: 05/07/15										
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	0.150		mg/Kg wet	0.200		74.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.143		mg/Kg wet	0.200		71.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.165		mg/Kg wet	0.200		82.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.178		mg/Kg wet	0.200		88.8	30-150			
LCS (B121133-BS1)										
Prepared: 05/06/15 Analyzed: 05/07/15										
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		98.2	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Surrogate: Decachlorobiphenyl	0.171		mg/Kg wet	0.200		85.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.164		mg/Kg wet	0.200		82.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.176		mg/Kg wet	0.200		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.190		mg/Kg wet	0.200		95.0	30-150			
LCS Dup (B121133-BSD1)										
Prepared: 05/06/15 Analyzed: 05/07/15										
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		86.9	40-140	20.7	30	
Aroclor-1016 [2C]	0.19	0.10	mg/Kg wet	0.200		93.4	40-140	10.4	30	
Aroclor-1260	0.16	0.10	mg/Kg wet	0.200		80.1	40-140	20.3	30	
Aroclor-1260 [2C]	0.17	0.10	mg/Kg wet	0.200		86.8	40-140	20.0	30	
Surrogate: Decachlorobiphenyl	0.132		mg/Kg wet	0.200		66.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.127		mg/Kg wet	0.200		63.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.141		mg/Kg wet	0.200		70.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.151		mg/Kg wet	0.200		75.7	30-150			

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

QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121166 - SW-846 8151										
Blank (B121166-BLK1)										
Prepared: 05/07/15 Analyzed: 05/11/15										
2,4-D	ND	24	µg/kg wet							
2,4-D [2C]	ND	24	µg/kg wet							
2,4,5-TP (Silvex)	ND	2.4	µg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	2.4	µg/kg wet							
2,4,5-T	ND	2.4	µg/kg wet							
2,4,5-T [2C]	ND	2.4	µg/kg wet							
Dalapon	ND	59	µg/kg wet							
Dalapon [2C]	ND	59	µg/kg wet							
Dicamba	ND	2.4	µg/kg wet							
Dicamba [2C]	ND	2.4	µg/kg wet							
Surrogate: 2,4-Dichlorophenylacetic acid	86.2		µg/kg wet	94.8		90.9	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	79.9		µg/kg wet	94.8		84.3	30-150			
LCS (B121166-BS1)										
Prepared: 05/07/15 Analyzed: 05/11/15										
2,4-D	112	25	µg/kg wet	125		90.0	40-140			
2,4-D [2C]	106	25	µg/kg wet	125		84.7	40-140			
2,4,5-TP (Silvex)	11.5	2.5	µg/kg wet	12.5		92.1	40-140			
2,4,5-TP (Silvex) [2C]	11.6	2.5	µg/kg wet	12.5		93.0	40-140			
2,4,5-T	11.5	2.5	µg/kg wet	12.5		92.5	40-140			
2,4,5-T [2C]	12.2	2.5	µg/kg wet	12.5		98.1	40-140			
Dalapon	134	62	µg/kg wet	312		43.1	40-140			
Dalapon [2C]	139	62	µg/kg wet	312		44.6	40-140			
Dicamba	11.4	2.5	µg/kg wet	12.5		91.1	40-140			
Dicamba [2C]	11.9	2.5	µg/kg wet	12.5		95.3	40-140			
Surrogate: 2,4-Dichlorophenylacetic acid	96.5		µg/kg wet	99.8		96.7	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	87.0		µg/kg wet	99.8		87.2	30-150			
LCS Dup (B121166-BSD1)										
Prepared: 05/07/15 Analyzed: 05/11/15										
2,4-D	122	25	µg/kg wet	125		97.8	40-140	8.36	30	
2,4-D [2C]	108	25	µg/kg wet	125		86.5	40-140	2.15	30	
2,4,5-TP (Silvex)	12.0	2.5	µg/kg wet	12.5		96.3	40-140	4.43	30	
2,4,5-TP (Silvex) [2C]	12.4	2.5	µg/kg wet	12.5		99.4	40-140	6.72	30	
2,4,5-T	12.4	2.5	µg/kg wet	12.5		99.5	40-140	7.37	30	
2,4,5-T [2C]	13.2	2.5	µg/kg wet	12.5		106	40-140	7.64	30	
Dalapon	140	62	µg/kg wet	312		44.9	40-140	4.05	30	
Dalapon [2C]	145	62	µg/kg wet	312		46.5	40-140	4.11	30	
Dicamba	12.3	2.5	µg/kg wet	12.5		98.7	40-140	8.15	30	
Dicamba [2C]	12.5	2.5	µg/kg wet	12.5		100	40-140	4.87	30	
Surrogate: 2,4-Dichlorophenylacetic acid	100		µg/kg wet	99.8		100	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	93.6		µg/kg wet	99.8		93.8	30-150			
Matrix Spike (B121166-MS1)										
Source: 15E0237-01 Prepared: 05/07/15 Analyzed: 05/12/15										
2,4-D	137	29	µg/kg dry	143	ND	95.9	30-150			
2,4-D [2C]	127	29	µg/kg dry	143	ND	88.4	30-150			
2,4,5-TP (Silvex)	13.4	2.9	µg/kg dry	14.3	ND	93.5	30-150			
2,4,5-TP (Silvex) [2C]	14.1	2.9	µg/kg dry	14.3	ND	98.1	30-150			
2,4,5-T	13.7	2.9	µg/kg dry	14.3	ND	95.7	30-150			
2,4,5-T [2C]	13.6	2.9	µg/kg dry	14.3	ND	94.9	30-150			
Dalapon	160	72	µg/kg dry	358	ND	44.7	30-150			
Dalapon [2C]	166	72	µg/kg dry	358	ND	46.4	30-150			

V-06

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

QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B121166 - SW-846 8151

Matrix Spike (B121166-MS1)

Source: 15E0237-01

Prepared: 05/07/15 Analyzed: 05/12/15

Dicamba	13.5	2.9	µg/kg dry	14.3	ND	93.9	30-150			
Dicamba [2C]	14.6	2.9	µg/kg dry	14.3	ND	102	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid	108		µg/kg dry	115		94.6	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	107		µg/kg dry	115		93.2	30-150			

Matrix Spike Dup (B121166-MSD1)

Source: 15E0237-01

Prepared: 05/07/15 Analyzed: 05/12/15

2,4-D	137	29	µg/kg dry	143	ND	95.9	30-150	0.0266	30	
2,4-D [2C]	126	29	µg/kg dry	143	ND	88.2	30-150	0.104	30	
2,4,5-TP (Silvex)	13.6	2.9	µg/kg dry	14.3	ND	94.7	30-150	1.30	30	
2,4,5-TP (Silvex) [2C]	13.5	2.9	µg/kg dry	14.3	ND	94.2	30-150	4.07	30	
2,4,5-T	12.1	2.9	µg/kg dry	14.3	ND	84.7	30-150	12.2	30	
2,4,5-T [2C]	14.9	2.9	µg/kg dry	14.3	ND	104	30-150	9.43	30	V-06
Dalapon	161	72	µg/kg dry	358	ND	45.0	30-150	0.729	30	
Dalapon [2C]	167	72	µg/kg dry	358	ND	46.5	30-150	0.265	30	
Dicamba	13.5	2.9	µg/kg dry	14.3	ND	94.2	30-150	0.284	30	
Dicamba [2C]	13.9	2.9	µg/kg dry	14.3	ND	97.1	30-150	4.61	30	
Surrogate: 2,4-Dichlorophenylacetic acid	110		µg/kg dry	115		95.7	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	109		µg/kg dry	115		94.8	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121980 - SW-846 3546										
Blank (B121980-BLK1)										
Prepared: 05/18/15 Analyzed: 05/19/15										
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	2.78		mg/Kg wet	3.33		83.4	50-150			
LCS (B121980-BS1)										
Prepared: 05/18/15 Analyzed: 05/19/15										
CT ETPH	29.6	10	mg/Kg wet	33.3		88.7	60-120			
Surrogate: o-Terphenyl	2.93		mg/Kg wet	3.33		87.8	50-150			
LCS Dup (B121980-BSD1)										
Prepared: 05/18/15 Analyzed: 05/19/15										
CT ETPH	25.2	10	mg/Kg wet	33.3		75.7	60-120	15.8	30	
Surrogate: o-Terphenyl	2.42		mg/Kg wet	3.33		72.6	50-150			
Batch B122184 - SW-846 3546										
Blank (B122184-BLK1)										
Prepared: 05/20/15 Analyzed: 05/21/15										
CT ETPH	ND	9.9	mg/Kg wet							R-05
Surrogate: o-Terphenyl	1.86		mg/Kg wet	3.31		56.3	50-150			
LCS (B122184-BS1)										
Prepared: 05/20/15 Analyzed: 05/21/15										
CT ETPH	22.5	10	mg/Kg wet	33.3		67.6	60-120			R-05
Surrogate: o-Terphenyl	2.21		mg/Kg wet	3.33		66.3	50-150			
LCS Dup (B122184-BSD1)										
Prepared: 05/20/15 Analyzed: 05/21/15										
CT ETPH	15.6	9.8	mg/Kg wet	32.6		47.8 *	60-120	36.6 *	30	L-07A
Surrogate: o-Terphenyl	1.57		mg/Kg wet	3.26		48.3 *	50-150			S-26

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121983 - SW-846 7471										
Blank (B121983-BLK1) Prepared: 05/18/15 Analyzed: 05/19/15										
Mercury	ND	0.025	mg/Kg wet							
LCS (B121983-BS1) Prepared: 05/18/15 Analyzed: 05/19/15										
Mercury	7.33	0.75	mg/Kg wet	7.10		103	73.7-126.3			
LCS Dup (B121983-BSD1) Prepared: 05/18/15 Analyzed: 05/19/15										
Mercury	8.36	0.77	mg/Kg wet	7.10		118	73.7-126.3	13.2	30	
Batch B122045 - SW-846 3050B										
Blank (B122045-BLK1) Prepared & Analyzed: 05/19/15										
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
LCS (B122045-BS1) Prepared & Analyzed: 05/19/15										
Arsenic	114	5.0	mg/Kg wet	122		93.4	77.8-122.1			
Barium	155	5.0	mg/Kg wet	167		92.7	82-117.4			
Cadmium	80.3	0.50	mg/Kg wet	88.0		91.2	81.9-118.2			
Chromium	94.2	1.0	mg/Kg wet	102		92.4	78.7-120.6			
Lead	85.8	1.5	mg/Kg wet	94.5		90.8	82.4-117.8			
Selenium	148	10	mg/Kg wet	157		94.3	77.1-122.3			
Silver	29.5	1.0	mg/Kg wet	34.2		86.3	74.3-125.4			
LCS Dup (B122045-BSD1) Prepared & Analyzed: 05/19/15										
Arsenic	114	5.0	mg/Kg wet	122		93.6	77.8-122.1	0.182	30	
Barium	160	5.0	mg/Kg wet	167		95.8	82-117.4	3.24	30	
Cadmium	81.2	0.50	mg/Kg wet	88.0		92.2	81.9-118.2	1.08	30	
Chromium	94.0	1.0	mg/Kg wet	102		92.1	78.7-120.6	0.253	30	
Lead	86.1	1.5	mg/Kg wet	94.5		91.1	82.4-117.8	0.355	30	
Selenium	150	10	mg/Kg wet	157		95.9	77.1-122.3	1.64	30	
Silver	29.5	1.0	mg/Kg wet	34.2		86.1	74.3-125.4	0.252	30	
MRL Check (B122045-MRL1) Prepared & Analyzed: 05/19/15										
Lead	0.678	0.73	mg/Kg wet	0.731		92.7	80-120			

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

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 B121151 - SW-846 9045C										
LCS (B121151-BS1) Prepared & Analyzed: 05/07/15										
pH	6.04		pH Units	6.00		101	98.6-102			
LCS (B121151-BS2) Prepared & Analyzed: 05/07/15										
pH	6.04		pH Units	6.00		101	98.6-102			
Batch B121572 - % Solids										
Duplicate (B121572-DUP2) Source: 15E0237-04 Prepared: 05/12/15 Analyzed: 05/13/15										
% Solids	90.0		% Wt			90.6		0.664	20	
Batch B121666 - SW-846 9014										
Blank (B121666-BLK1) Prepared & Analyzed: 05/13/15										
Reactive Cyanide	ND	0.40	mg/Kg							
LCS (B121666-BS1) Prepared & Analyzed: 05/13/15										
Reactive Cyanide	9.5	0.40	mg/Kg	10.0		95.4	86.4-107			
Batch B121668 - SW-846 9030A										
Blank (B121668-BLK1) Prepared: 05/13/15 Analyzed: 05/14/15										
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B121668-BS1) Prepared: 05/13/15 Analyzed: 05/14/15										
Reactive Sulfide	15	2.0	mg/Kg	14.8		103	42.9-132			
Batch B121677 - SW-846 1010										
Blank (B121677-BLK1) Prepared & Analyzed: 05/13/15										
Flashpoint	> 212 °F		°F							
LCS (B121677-BS1) Prepared & Analyzed: 05/13/15										
Flashpoint	80		°F	81.0		99.3	98.8-101			
LCS Dup (B121677-BSD1) Prepared & Analyzed: 05/13/15										
Flashpoint	80		°F	81.0		99.3	98.8-101	0.00	5	
Batch B121773 - SW-846 9014										
Blank (B121773-BLK1) Prepared: 05/14/15 Analyzed: 05/15/15										
Cyanide	ND	0.50	mg/Kg wet							

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

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 B121773 - SW-846 9014										
LCS (B121773-BS1)					Prepared: 05/14/15 Analyzed: 05/15/15					
Cyanide	70	2.5	mg/Kg wet	64.3		109	80-120			
LCS Dup (B121773-BSD1)					Prepared: 05/14/15 Analyzed: 05/15/15					
Cyanide	68	2.5	mg/Kg wet	64.3		106	80-120	2.86	20	
Batch B121781 - SM21-22 2510B Modified										
Blank (B121781-BLK1)					Prepared & Analyzed: 05/14/15					
Specific conductance	ND	2.0	µmhos/cm							
LCS (B121781-BS1)					Prepared & Analyzed: 05/14/15					
Specific conductance	270		µmhos/cm	286		95.9	88.6-105			
Duplicate (B121781-DUP1)					Source: 15E0237-02 Prepared & Analyzed: 05/14/15					
Specific conductance	2.7	2.0	µmhos/cm		2.6			1.51	19.6	

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

QUALITY CONTROL

TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121914 - SW-846 7470A Prep										
Blank (B121914-BLK1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Mercury	ND	0.00010	mg/L							
LCS (B121914-BS1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Mercury	0.00185	0.00010	mg/L	0.00200		92.7	80-120			
LCS Dup (B121914-BSD1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Mercury	0.00166	0.00010	mg/L	0.00200		82.9	80-120	11.1	20	
Matrix Spike (B121914-MS1)				Source: 15E0237-01		Prepared: 05/16/15 Analyzed: 05/18/15				
Mercury	0.00182	0.00010	mg/L	0.00200	ND	91.2	75-125			
Batch B121925 - SW-846 3010A										
Blank (B121925-BLK1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Cadmium	ND	0.0040	mg/L							
Chromium	ND	0.010	mg/L							
Lead	ND	0.010	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.0050	mg/L							
LCS (B121925-BS1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Arsenic	0.485	0.010	mg/L	0.500		96.9	80-120			
Barium	0.481	0.050	mg/L	0.500		96.3	80-120			
Cadmium	0.489	0.0040	mg/L	0.500		97.8	80-120			
Chromium	0.473	0.010	mg/L	0.500		94.5	80-120			
Lead	0.467	0.010	mg/L	0.500		93.4	80-120			
Selenium	0.507	0.050	mg/L	0.500		101	80-120			
Silver	0.457	0.0050	mg/L	0.500		91.4	80-120			
LCS Dup (B121925-BSD1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Arsenic	0.510	0.010	mg/L	0.500		102	80-120	5.15	20	
Barium	0.501	0.050	mg/L	0.500		100	80-120	4.06	20	
Cadmium	0.509	0.0040	mg/L	0.500		102	80-120	4.14	20	
Chromium	0.490	0.010	mg/L	0.500		98.0	80-120	3.60	20	
Lead	0.479	0.010	mg/L	0.500		95.7	80-120	2.52	20	
Selenium	0.533	0.050	mg/L	0.500		107	80-120	5.17	20	
Silver	0.477	0.0050	mg/L	0.500		95.4	80-120	4.29	20	
Matrix Spike (B121925-MS1)				Source: 15E0237-01		Prepared: 05/16/15 Analyzed: 05/18/15				
Arsenic	0.503	0.010	mg/L	0.500	ND	101	75-125			
Barium	0.623	0.050	mg/L	0.500	0.129	98.8	75-125			
Cadmium	0.508	0.0040	mg/L	0.500	ND	102	75-125			
Chromium	0.486	0.010	mg/L	0.500	ND	97.1	75-125			
Lead	0.475	0.010	mg/L	0.500	0.00575	93.9	75-125			
Selenium	0.533	0.050	mg/L	0.500	ND	107	75-125			
Silver	0.478	0.0050	mg/L	0.500	ND	95.6	75-125			

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

BREAKDOWN REPORT

Lab Sample ID: S008468-PEM1 **Analyzed:** 05/08/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 0.88
Endrin [1] 5.17

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 1.22
Endrin [2] 5.50

BREAKDOWN REPORT

Lab Sample ID: S008468-PEM2 **Analyzed:** 05/08/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 0.68
Endrin [1] 5.98

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 1.24
Endrin [2] 6.09

BREAKDOWN REPORT

Lab Sample ID: S008468-PEM3 **Analyzed:** 05/08/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 0.66
Endrin [1] 5.04

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

BREAKDOWN REPORT

Lab Sample ID: S008468-PEM3 **Analyzed:** 05/08/2015

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.06
Endrin [2]	5.17

BREAKDOWN REPORT

Lab Sample ID: S008468-PEM4 **Analyzed:** 05/09/2015

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	1.06
Endrin [1]	5.36

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.51
Endrin [2]	5.42

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B121133-BS1 Date(s) Analyzed: 05/07/2015 05/07/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.21	2
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.21	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B121133-BSD1 Date(s) Analyzed: 05/07/2015 05/07/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.19	9
Aroclor-1260	1	0.00	0.00	0.00	0.16	
	2	0.00	0.00	0.00	0.17	6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8151A

Lab Sample ID: B121166-MS1 Date(s) Analyzed: 05/12/2015 05/12/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4,5-T	1	16.14	0.00	0.00	13.7	
	2	16.05	0.00	0.00	13.6	1
2,4,5-TP (Silvex)	1	15.51	0.00	0.00	13.4	
	2	15.20	0.00	0.00	14.1	5
2,4-D	1	13.66	0.00	0.00	137	
	2	13.45	0.00	0.00	127	8
Dalapon	1	4.56	0.00	0.00	160	
	2	4.13	0.00	0.00	166	4
Dicamba	1	11.53	0.00	0.00	13.5	
	2	11.23	0.00	0.00	14.6	8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8151A

Matrix Spike Dup

Lab Sample ID: B121166-MSD1 Date(s) Analyzed: 05/12/2015 05/12/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4,5-T	1	16.14	0.00	0.00	12.1	
	2	16.05	0.00	0.00	14.9	21
2,4,5-TP (Silvex)	1	15.51	0.00	0.00	13.6	
	2	15.20	0.00	0.00	13.5	1
2,4-D	1	13.66	0.00	0.00	137	
	2	13.45	0.00	0.00	126	8
Dalapon	1	4.56	0.00	0.00	161	
	2	4.13	0.00	0.00	167	4
Dicamba	1	11.53	0.00	0.00	13.5	
	2	11.23	0.00	0.00	13.9	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8081B

LCS

Lab Sample ID: B121193-BS1 Date(s) Analyzed: 05/08/2015 05/08/2015

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	6.71	0.00	0.00	0.12	
	2	7.38	0.00	0.00	0.11	6
4,4'-DDE	1	6.31	0.00	0.00	0.12	
	2	6.94	0.00	0.00	0.10	16
4,4'-DDT	1	6.91	0.00	0.00	0.12	
	2	7.62	0.00	0.00	0.10	18
Alachlor	1	5.82	0.00	0.00	0.094	
	2	6.11	0.00	0.00	0.087	8
Aldrin	1	5.71	0.00	0.00	0.11	
	2	6.17	0.00	0.00	0.10	11
alpha-BHC	1	5.11	0.00	0.00	0.10	
	2	5.46	0.00	0.00	0.10	2
beta-BHC	1	5.33	0.00	0.00	0.098	
	2	5.73	0.00	0.00	0.095	3
delta-BHC	1	5.43	0.00	0.00	0.089	
	2	5.92	0.00	0.00	0.082	8
Dieldrin	1	6.49	0.00	0.00	0.11	
	2	7.05	0.00	0.00	0.099	10
Endosulfan I	1	6.33	0.00	0.00	0.10	
	2	6.85	0.00	0.00	0.099	4
Endosulfan II	1	6.80	0.00	0.00	0.11	
	2	7.45	0.00	0.00	0.10	7
Endosulfan Sulfate	1	7.42	0.00	0.00	0.10	
	2	7.93	0.00	0.00	0.096	6
Endrin	1	6.64	0.00	0.00	0.12	
	2	7.28	0.00	0.00	0.11	8
Endrin Aldehyde	1	7.10	0.00	0.00	0.10	
	2	7.71	0.00	0.00	0.10	5
Endrin Ketone	1	7.62	0.00	0.00	0.099	
	2	8.30	0.00	0.00	0.098	1
gamma-BHC (Lindane)	1	5.28	0.00	0.00	0.11	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8081B

Lab Sample ID: B121193-BS1 Date(s) Analyzed: 05/08/2015 05/08/2015

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	5.68	0.00	0.00	0.099	8
Heptachlor	1	5.54	0.00	0.00	0.11	
	2	5.96	0.00	0.00	0.10	6
Heptachlor Epoxide	1	6.08	0.00	0.00	0.11	
	2	6.57	0.00	0.00	0.10	8
Hexachlorobenzene	1	5.02	0.00	0.00	0.11	
	2	5.37	0.00	0.00	0.10	10
Methoxychlor	1	7.28	0.00	0.00	0.13	
	2	8.15	0.00	0.00	0.11	14

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8081B

Lab Sample ID: B121193-BSD1 Date(s) Analyzed: 05/08/2015 05/08/2015

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	6.71	0.00	0.00	0.12	
	2	7.38	0.00	0.00	0.11	8
4,4'-DDE	1	6.31	0.00	0.00	0.12	
	2	6.94	0.00	0.00	0.10	17
4,4'-DDT	1	6.91	0.00	0.00	0.12	
	2	7.62	0.00	0.00	0.10	18
Alachlor	1	5.82	0.00	0.00	0.098	
	2	6.11	0.00	0.00	0.090	9
Aldrin	1	5.71	0.00	0.00	0.11	
	2	6.17	0.00	0.00	0.10	10
alpha-BHC	1	5.11	0.00	0.00	0.097	
	2	5.46	0.00	0.00	0.097	0
beta-BHC	1	5.33	0.00	0.00	0.099	
	2	5.73	0.00	0.00	0.096	3
delta-BHC	1	5.43	0.00	0.00	0.095	
	2	5.92	0.00	0.00	0.090	5
Dieldrin	1	6.49	0.00	0.00	0.11	
	2	7.05	0.00	0.00	0.10	9
Endosulfan I	1	6.33	0.00	0.00	0.085	
	2	6.85	0.00	0.00	0.083	2
Endosulfan II	1	6.80	0.00	0.00	0.092	
	2	7.45	0.00	0.00	0.090	2
Endosulfan Sulfate	1	7.42	0.00	0.00	0.097	
	2	7.93	0.00	0.00	0.092	6
Endrin	1	6.64	0.00	0.00	0.12	
	2	7.28	0.00	0.00	0.11	10
Endrin Aldehyde	1	7.10	0.00	0.00	0.10	
	2	7.71	0.00	0.00	0.10	3
Endrin Ketone	1	7.62	0.00	0.00	0.10	
	2	8.30	0.00	0.00	0.12	17
gamma-BHC (Lindane)	1	5.28	0.00	0.00	0.10	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8081B

Lab Sample ID: B121193-BSD1 Date(s) Analyzed: 05/08/2015 05/08/2015

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	5.68	0.00	0.00	0.096	6
Heptachlor	1	5.54	0.00	0.00	0.11	
	2	5.96	0.00	0.00	0.10	5
Heptachlor Epoxide	1	6.08	0.00	0.00	0.11	
	2	6.57	0.00	0.00	0.10	8
Hexachlorobenzene	1	5.02	0.00	0.00	0.11	
	2	5.37	0.00	0.00	0.10	9
Methoxychlor	1	7.28	0.00	0.00	0.13	
	2	8.15	0.00	0.00	0.12	6

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

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
	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.
H-03	Sample received after recommended holding time was exceeded.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
MS-09	Matrix spike recovery and 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.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-19	Surrogate recovery is outside of control limits, matrix interference suspected. Reanalysis yielded similar surrogate non-conformance.
S-26	Surrogate outside of control limits.
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-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
Z-01	Initial analysis within holding time. Reanalysis due to low surrogate recovery was past holding time.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 1010 in Soil	
Flashpoint	NY,NC,ME,VA,NJ
SW-846 6010C in Soil	
Arsenic	CT,NH,NY,ME,NC,VA,NJ
Barium	CT,NH,NY,ME,NC,VA,NJ
Cadmium	CT,NH,NY,ME,NC,VA,NJ
Chromium	CT,NH,NY,ME,NC,VA,NJ
Lead	CT,NH,NY,AIHA,ME,NC,VA,NJ
Selenium	CT,NH,NY,ME,NC,VA,NJ
Silver	CT,NH,NY,ME,NC,VA,NJ
SW-846 6010C in Water	
Arsenic	NY,CT,NC,ME,NH,VA,NJ
Barium	NY,CT,ME,NC,NH,VA,NJ
Cadmium	NY,CT,ME,NC,NH,VA,NJ
Chromium	NY,CT,ME,NC,NH,VA,NJ
Lead	NY,CT,ME,NC,NH,VA,NJ
Selenium	CT,ME,NC,NH,NY,VA,NJ
Silver	CT,ME,NC,NH,NY,VA,NJ
SW-846 7470A in Water	
Mercury	CT,ME,NC,NH,NY,VA,NJ
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA,NJ
SW-846 8081B in Soil	
Alachlor	NC
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA,NJ
Aldrin [2C]	CT,NH,NY,ME,NC,VA,NJ
alpha-BHC	CT,NH,NY,ME,NC,VA,NJ
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
beta-BHC	CT,NH,NY,ME,NC,VA,NJ
beta-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
delta-BHC	CT,NH,NY,ME,NC,VA,NJ
delta-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA,NJ
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA,NJ
Chlordane	CT,NH,NY,ME,NC,VA,NJ
Chlordane [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDD	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDE	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDT	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA,NJ
Dieldrin	CT,NH,NY,ME,NC,VA,NJ

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Soil	
Dieldrin [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan I	CT,NH,NY,ME,NC,VA,NJ
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan II	CT,NH,NY,ME,NC,VA,NJ
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA,NJ
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin	CT,NH,NY,ME,NC,VA,NJ
Endrin [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin Aldehyde	CT,NH,NY,ME,NC,VA,NJ
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA,NJ
Heptachlor [2C]	CT,NH,NY,ME,NC,VA,NJ
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA,NJ
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA,NJ
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA,NJ
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA,NJ
Toxaphene	CT,NH,NY,ME,NC,VA,NJ
Toxaphene [2C]	CT,NH,NY,ME,NC,VA,NJ
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
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)	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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
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
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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
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
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
<i>SW-846 9014 in Soil</i>	
Cyanide	NY,CT,NC,ME,NH,VA,NJ

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
 East Longmeadow, MA 01028

Page of

Company Name: Conestoga Revers & Associates Telephone: 860.747.1800
 Address: 45 Farmington Valley Dr Project # 83167
Plainville CT 06062 Client PO#
 Attention: Kathy Shaw
 Project Location: UI - Baird
 Sampled By: S. Daly

Project Proposal Provided? (for billing purposes)
 Yes No proposal date

DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE
 Fax #
 Email:
 Format: PDF EXCEL GIS
 OTHER
 "Enhanced Data Package"

Con - Test Lab ID <small>(laboratory use only)</small>	Client Sample ID / Description	Collection		Matrix Code	Conc Code
		Beginning Date/Time	Ending Date/Time		
01	SD-83167-050415-SD-001	5/4/15	0915	S	A
02	SD-83167-050415-SD-002	↓	1510	S	A
03	SD-83167-050515-SD-003	5/5/15	0830	S	A
04	SD-83167-050515-SD-004	↓	0930	S	A
05	SD-83167-050515-SD-005	↓	1330	S	A
06	SD-83167-050515-SD-006	↓	1555	S	A

Comments: Direct Bill to UI

Relinquished by: (signature) S. Daly Date/Time: 05/05/2015
 Received by: (signature) Kathy Shaw Date/Time: 14:55 5.6.15
 Inquired by: (signature) Kathy Shaw Date/Time: 16:55 5.6.15
 Approved by: (signature) S. Daly Date/Time: 2:07 5/6/15 1655

Turnaround ^{TT}
 7-Day
 10-Day
 Other
 RUSH ¹
 24-Hr 48-Hr
 72-Hr 14-Day
¹ Require lab approval

Detection Limit Requirements
 Massachusetts:
 Connecticut:
 Other:

ANALYSIS REQUESTED		GC ETPH	PCBs	Total RCRA & Metals	TCRF RCRA & Metals	Herbicides/Pesticides	Cyanide, PH, Reactive C/PS/SP	Flashpoint	Conductivity
VOCs	X	X	X	X	X	X	X	X	X
SVOCs	X	X	X	X	X	X	X	X	X
GC ETPH	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X
Total RCRA & Metals	X	X	X	X	X	X	X	X	X
TCRF RCRA & Metals	X	X	X	X	X	X	X	X	X
Herbicides/Pesticides	X	X	X	X	X	X	X	X	X
Cyanide, PH, Reactive C/PS/SP	X	X	X	X	X	X	X	X	X
Flashpoint	X	X	X	X	X	X	X	X	X
Conductivity	X	X	X	X	X	X	X	X	X

of Containers
 ** Preservation
 *** Container Code

Disolved Metals
 Field Filtered
 Lab to Filter

***Cont. Code:
 A=amber glass
 G=glass
 P=plastic
 ST=sterile
 V= vial
 S=summa can
 T=tetlar bag
 O=Other

**preservation
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 X = Na hydroxide
 T = Na thiosulfate
 O = Other

*Matrix Code:
 GW= groundwater
 WW= wastewater
 DW= drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High, M - Medium; L - Low, C - Clean, U - Unknown

Is your project MCP or RCP?
 MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID #

UPON RECEIPT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.
 TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Conestoga Rovers + Associates RECEIVED BY: JDL DATE: 5/6/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No
 If not, explain: _____

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.7

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	6
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	18	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar 16oz	6
Encore		Other	

Laboratory Comments: _____

40 mL vials: # HCl _____ # Methanol <u>6</u> # Bisulfate _____ # DI Water <u>12</u> # Thiosulfate _____ Unpreserved _____	Time and Date Frozen: <u>5/6/15 1655 2.7°C</u>
---	---

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

Question	Answer (True/False)		Comment
	T	F/NA	
1) The cooler's custody seal, if present, is intact.		NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.		NA	
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	T		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.		NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.		NA	
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013

Who notified of False statements?
 Log-In Technician Initials: JDL

Date/Time: 5/6/15 1655

D:\HPCHEM\1\DATA\A051915.SEC\A0519007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 5/19/15
 Data File Name A0519007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.18	517387	543627	-5
c - 10	1.53	551978	543627	2
c - 12	2.26	557052	543627	2
c - 14	2.92	555925	543627	2
c - 16	3.52	561113	543627	3
c - 18	4.11	563196	543627	4
o-Terphenyl	4.41	656914	543627	
c - 20	4.72	553963	543627	2
c - 22	5.23	557759	543627	3
c - 24	5.67	521212	543627	-4
c - 26	6.06	541500	543627	0
c - 28	6.42	531080	543627	-2
c - 30	6.75	539256	543627	-1
c - 32	7.06	544530	543627	0
c - 34	7.35	538103	543627	-1
c - 36	7.64	520346	543627	-4

* One compound allowed %D <= 50%

Samples

15E0237-04
 15E0279-23RE1
 15E0279-26RE1
 15E0279-30RE1
 15E0279-34RE1
 15E0279-17RE1
 15E0497-01
 15E0615-01@20X
 15E0488-01@10X
 15E0520-01@5X

5/19/15 2:53 PM

D:\HPCHEM\1\DATA\A051915.SEC\A0519053.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 5/19/15
 Data File Name A0519053.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	%D +/- 20
c - 9	1.18	454509	468039	-3
c - 10	1.53	480486	468039	3
c - 12	2.26	480762	468039	3
c - 14	2.92	478214	468039	2
c - 16	3.52	482049	468039	3
c - 18	4.10	484927	468039	4
o-Terphenyl	4.41	566455	468039	
c - 20	4.72	477662	468039	2
c - 22	5.22	479024	468039	2
c - 24	5.66	446326	468039	-5
c - 26	6.06	463584	468039	-1
c - 28	6.42	454786	468039	-3
c - 30	6.75	462572	468039	-1
c - 32	7.06	466737	468039	0
c - 34	7.35	462266	468039	-1
c - 36	7.64	446678	468039	-5

* One compound allowed %D </= 50%

Samples

15E0237-05
 15E0237-02
 15E0237-01
 15E0237-03
 15E0237-06
 15E0348-03
 15E0348-04@20X
 15E0348-05@20X
 15E0348-06@20X
 15E0348-07@20X
 15E0348-08@20X
 15E0348-09@20X
 15E0348-10@20X

D:\HPCHEM\1\DATA\A052115\A0521044.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 5/21/15
 Data File Name A0521044.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	0.95	436080	473939	-8
c - 10	1.30	462702	473939	-2
c - 12	2.02	467773	473939	-1
c - 14	2.69	475698	473939	0
c - 16	3.29	486009	473939	3
c - 18	3.85	492316	473939	4
o-Terphenyl	4.12	582830	473939	
c - 20	4.46	484789	473939	2
c - 22	5.00	493188	473939	4
c - 24	5.45	463872	473939	-2
c - 26	5.84	486004	473939	3
c - 28	6.20	481956	473939	2
c - 30	6.54	483251	473939	2
c - 32	7.14	471501	473939	-1
c - 34	7.14	471501	473939	-1
c - 36	7.42	452443	473939	-5

* One compound allowed %D < /= 50%

Samples

15E0960-01
 15E0960-02
 15E0960-03
 15E0960-04
 15E0960-05
 15E0237-03RE1

May 26, 2015

Kathy Shaw - CRA
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: UI - Baird
Client Job Number:
Project Number: 83167
Laboratory Work Order Number: 15E0367

Enclosed are results of analyses for samples received by the laboratory on May 8, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "James Georgantas". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

James M. Georgantas
Project Manager

Table of Contents

Sample Summary	5
Case Narrative	8
Sample Results	13
15E0367-01	13
15E0367-02	24
15E0367-03	35
15E0367-04	46
15E0367-05	57
15E0367-06	68
15E0367-07	79
15E0367-08	92
15E0367-09	103
15E0367-10	112
Sample Preparation Information	114
QC Data	119
Volatile Organic Compounds by GC/MS	119
B121752	119
B121890	121
B122062	124
Semivolatile Organic Compounds by GC/MS	128
B121495	128
B122149	132
Organochloride Pesticides by GC/ECD	137
B121600	137
B122145	140
Polychlorinated Biphenyls By GC/ECD	143

Table of Contents (continued)

B121571	143
B121593	144
Herbicides by GC/ECD	146
B121397	146
B121605	147
Petroleum Hydrocarbons Analyses	149
B122119	149
Metals Analyses (Total)	150
B121904	150
B121995	150
B122155	150
B122159	151
B122263	151
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	153
B121362	153
B121560	153
B121572	153
B121592	153
B121657	153
B121662	154
B121872	154
B121956	154
B121957	154
B121959	155
B121969	155

Table of Contents (continued)

B122005	155
B122248	155
TCLP - Metals Analyses	156
B122173	156
B122198	156
Pesticides Degradation Report	157
Dual Column RPD Report	161
Flag/Qualifier Summary	182
Certifications	183
Chain of Custody/Sample Receipt	193

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

United Illuminating Company
 180 Marsh Hill Road
 Orange, CT 06477
 ATTN: Kathy Shaw - CRA

REPORT DATE: 5/26/2015

PURCHASE ORDER NUMBER: 4500424931-10

PROJECT NUMBER: 83167

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0367

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

PROJECT LOCATION: UI - Baird

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SO-83167-050615-SD-007	15E0367-01	Soil		CTDEP ETPH SM 2540G SM21-22 2510B Modified SW-846 1010 SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C	
SO-83167-050615-SD-008	15E0367-02	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
SO-83167-050615-SD-009	15E0367-03	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	

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

United Illuminating Company
 180 Marsh Hill Road
 Orange, CT 06477
 ATTN: Kathy Shaw - CRA

REPORT DATE: 5/26/2015

PURCHASE ORDER NUMBER: 4500424931-10

PROJECT NUMBER: 83167

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0367

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

PROJECT LOCATION: UI - Baird

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SO-83167-050615-SD-010	15E0367-04	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
SO-83167-050715-SD-011	15E0367-05	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
SO-83167-050715-SD-012	15E0367-06	Soil		CTDEP ETPH SM 2540G SM21-22 2510B Modified SW-846 1010 SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C	

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

United Illuminating Company
 180 Marsh Hill Road
 Orange, CT 06477
 ATTN: Kathy Shaw - CRA

REPORT DATE: 5/26/2015

PURCHASE ORDER NUMBER: 4500424931-10

PROJECT NUMBER: 83167

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0367

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

PROJECT LOCATION: UI - Baird

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SO-83167-050815-SD-013	15E0367-07	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
SO-83167-050815-SD-014	15E0367-08	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
GW-83167-050815-SD-001	15E0367-09	Ground Water		EPA 1664B SM19-22 4500 NH3 C SM21-22 2540D SM21-22 4500 CL B SM21-22 4500 CN E SM21-22 4500 CN G SW-846 6020A SW-846 7470A SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
Trip Blank	15E0367-10	Trip Blank Water		SW-846 8260C	

CASE NARRATIVE SUMMARY

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

For method 8151, samples were derivatized on 05/12/15.

For method 8151, sample analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

For method 8151, samples were derivatized on 05/18/15.

For method 8151, sample analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria. Water sample.

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

EPA 1664B

Qualifications:**MS-07**

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

Analyte & Samples(s) Qualified:**Oil & Grease (HEM)**

15E0367-09[GW-83167-050815-SD-001], B122248-MS1

SW-846 6010C

Qualifications:**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**

B122159-MRL1

SW-846 8081B

Qualifications:**RL-12**

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15E0367-06[SO-83167-050715-SD-012]

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**4,4'-DDD [2C]**

B121600-BS1, B121600-BSD1

4,4'-DDE [2C]

B121600-BS1, B121600-BSD1

4,4'-DDT

B122145-BS1, B122145-BSD1

4,4'-DDT [2C]

B121600-BS1, B121600-BSD1

Endrin [2C]

B121600-BS1, B121600-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**4,4'-DDD [2C]**

B121600-BLK1

4,4'-DDE [2C]

B121600-BLK1

4,4'-DDT [2C]

B121600-BLK1, B122145-BLK1

Alachlor [2C]

B121600-BLK1

Endrin [2C]

B121600-BLK1

SW-846 8260C

Qualifications:

L-03

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

15E0367-01[SO-83167-050615-SD-007], 15E0367-02[SO-83167-050615-SD-008], 15E0367-03[SO-83167-050615-SD-009], 15E0367-04[SO-83167-050615-SD-010], 15E0367-06[SO-83167-050715-SD-012], 15E0367-07[SO-83167-050815-SD-013], 15E0367-08[SO-83167-050815-SD-014], B121752-BLK1, B121752-BS1

Dichlorodifluoromethane (Freon 1:

15E0367-05[SO-83167-050715-SD-011], 15E0367-09[GW-83167-050815-SD-001], 15E0367-10[Trip Blank], B121890-BLK1, B121890-BS1, B122062-BLK1, B122062-BS1

trans-1,3-Dichloropropene

15E0367-01[SO-83167-050615-SD-007], 15E0367-02[SO-83167-050615-SD-008], 15E0367-03[SO-83167-050615-SD-009], 15E0367-04[SO-83167-050615-SD-010], 15E0367-06[SO-83167-050715-SD-012], 15E0367-07[SO-83167-050815-SD-013], 15E0367-08[SO-83167-050815-SD-014], B121752-BLK1, B121752-BS1

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:**1,2-Dibromo-3-chloropropane (DB**

15E0367-09[GW-83167-050815-SD-001], 15E0367-10[Trip Blank], B122062-BLK1, B122062-BS1

2,2-Dichloropropane

15E0367-01[SO-83167-050615-SD-007], 15E0367-02[SO-83167-050615-SD-008], 15E0367-03[SO-83167-050615-SD-009], 15E0367-04[SO-83167-050615-SD-010], 15E0367-06[SO-83167-050715-SD-012], 15E0367-07[SO-83167-050815-SD-013], 15E0367-08[SO-83167-050815-SD-014], 15E0367-09[GW-83167-050815-SD-001], 15E0367-10[Trip Blank], B121752-BLK1, B121752-BS1, B122062-BLK1, B122062-BS1

Dichlorodifluoromethane (Freon 1:

15E0367-05[SO-83167-050715-SD-011], B121890-BLK1, B121890-BS1

Naphthalene

15E0367-09[GW-83167-050815-SD-001], 15E0367-10[Trip Blank], B122062-BLK1, B122062-BS1

Tetrahydrofuran

15E0367-09[GW-83167-050815-SD-001], 15E0367-10[Trip Blank], B122062-BLK1, B122062-BS1

trans-1,3-Dichloropropene

15E0367-01[SO-83167-050615-SD-007], 15E0367-02[SO-83167-050615-SD-008], 15E0367-03[SO-83167-050615-SD-009], 15E0367-04[SO-83167-050615-SD-010], 15E0367-06[SO-83167-050715-SD-012], 15E0367-07[SO-83167-050815-SD-013], 15E0367-08[SO-83167-050815-SD-014], B121752-BLK1, B121752-BS1

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**

15E0367-09[GW-83167-050815-SD-001], 15E0367-10[Trip Blank], B122062-BLK1, B122062-BS1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Acetone**

B121752-BS1

SW-846 8270D**Qualifications:****E**

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:**Fluoranthene**

15E0367-07[SO-83167-050815-SD-013]

Phenanthrene

15E0367-07[SO-83167-050815-SD-013]

Pyrene

15E0367-07[SO-83167-050815-SD-013]

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol**

B122149-BSD1

Aniline

B122149-BS1

RL-03

Elevated reporting limit based on lowest point in calibration.

Requested reporting limit not met.

Analyte & Samples(s) Qualified:**Hexachlorobenzene**

15E0367-09[GW-83167-050815-SD-001]

Pentachloronitrobenzene

15E0367-09[GW-83167-050815-SD-001]

Pentachlorophenol

15E0367-09[GW-83167-050815-SD-001]

Pyridine

15E0367-09[GW-83167-050815-SD-001]

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**

15E0367-01[SO-83167-050615-SD-007], 15E0367-02[SO-83167-050615-SD-008], 15E0367-03[SO-83167-050615-SD-009], 15E0367-04[SO-83167-050615-SD-010], 15E0367-05[SO-83167-050715-SD-011], 15E0367-06[SO-83167-050715-SD-012], 15E0367-07[SO-83167-050815-SD-013], 15E0367-07RE1[SO-83167-050815-SD-013], 15E0367-08[SO-83167-050815-SD-014], 15E0367-09[GW-83167-050815-SD-001], B121495-BLK1, B121495-BS1, B121495-BSD1, B122149-BLK1, B122149-BS1, B122149-BSD1

SW-846 9045C

Qualifications:**H-03**

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:**pH**

15E0367-01[SO-83167-050615-SD-007], 15E0367-06[SO-83167-050715-SD-012], B121362-DUP2, B121362-DUP3

SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

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 water – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

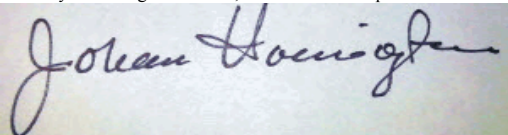
The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative: Difficult analytes for soil - limits between 10 and 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 for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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.



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

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	0.10	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Acrylonitrile	ND	0.0060	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Carbon Disulfide	ND	0.040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Chlorodibromomethane	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Chloroform	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
trans-1,2-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
2,2-Dichloropropane	ND	0.0040	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,1-Dichloropropene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
trans-1,3-Dichloropropene	ND	0.0040	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Isopropylbenzene (Cumene)	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

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	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Naphthalene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
n-Propylbenzene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Tetrachloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,1,2-Trichloroethane	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Trichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
m+p Xylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 12:44	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		117	70-130					5/14/15 12:44	
Toluene-d8		108	70-130					5/14/15 12:44	
4-Bromofluorobenzene		92.7	70-130					5/14/15 12:44	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

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	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Anthracene	0.22	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Benzo(a)anthracene	0.80	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Benzo(a)pyrene	0.67	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Benzo(b)fluoranthene	0.95	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Benzo(g,h,i)perylene	0.38	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Benzo(k)fluoranthene	0.37	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
4-Chloroaniline	ND	0.78	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
4-Chloro-3-methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Chrysene	0.86	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Fluoranthene	2.0	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Indeno(1,2,3-cd)pyrene	0.42	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

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	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1	V-16	SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Phenanthrene	1.4	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Pyrene	2.3	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 15:37	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		64.1	30-130					5/21/15 15:37	
Phenol-d6		68.2	30-130					5/21/15 15:37	
Nitrobenzene-d5		75.3	30-130					5/21/15 15:37	
2-Fluorobiphenyl		77.0	30-130					5/21/15 15:37	
2,4,6-Tribromophenol		77.1	30-130					5/21/15 15:37	
p-Terphenyl-d14		98.2	30-130					5/21/15 15:37	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Aldrin [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
alpha-BHC [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
beta-BHC [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
delta-BHC [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
gamma-BHC (Lindane) [1]	ND	0.011	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
4,4'-DDD [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
4,4'-DDE [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
4,4'-DDT [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Dieldrin [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Endosulfan I [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Endosulfan II [1]	ND	0.045	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Endosulfan sulfate [1]	ND	0.045	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Endrin [1]	ND	0.045	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Endrin aldehyde [1]	ND	0.045	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Endrin ketone [1]	ND	0.045	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Heptachlor [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Heptachlor epoxide [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Hexachlorobenzene [1]	ND	0.034	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Methoxychlor [1]	ND	0.28	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Toxaphene [1]	ND	0.56	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 12:20	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		75.6	30-150					5/21/15 12:20	
Decachlorobiphenyl [2]		80.3	30-150					5/21/15 12:20	
Tetrachloro-m-xylene [1]		88.5	30-150					5/21/15 12:20	
Tetrachloro-m-xylene [2]		85.0	30-150					5/21/15 12:20	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/12/15	5/13/15 18:16	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:16	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:16	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:16	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:16	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:16	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:16	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:16	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:16	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					5/13/15 18:16	
Decachlorobiphenyl [2]		113	30-150					5/13/15 18:16	
Tetrachloro-m-xylene [1]		100	30-150					5/13/15 18:16	
Tetrachloro-m-xylene [2]		93.8	30-150					5/13/15 18:16	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	30	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 3:28	JMB
2,4,5-TP (Silvex) [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 3:28	JMB
2,4,5-T [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 3:28	JMB
Dalapon [1]	ND	74	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 3:28	JMB
Dicamba [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 3:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		90.5	30-150					5/14/15 3:28	
2,4-Dichlorophenylacetic acid [2]		85.1	30-150					5/14/15 3:28	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	320	120	mg/Kg dry	10		CTDEP ETPH	5/19/15	5/21/15 11:13	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	79.0		50-150					5/21/15 11:13	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.1	3.0	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Barium	23	3.0	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Cadmium	0.32	0.30	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Chromium	6.0	0.59	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Lead	24	0.89	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Mercury	0.11	0.029	mg/Kg dry	1		SW-846 7471B	5/20/15	5/21/15 11:36	SCB
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Silver	ND	0.59	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

Sample Matrix: Soil

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.45		mg/Kg dry	1		SW-846 9014	5/15/15	5/16/15 15:10	VAK
Flashpoint	> 212 °F			°F	1		SW-846 1010	5/18/15	5/18/15 12:40	AG
pH @19.7°C	7.6			pH Units	1	H-03	SW-846 9045C	5/9/15	5/9/15 10:15	MMH
Reactive Cyanide	ND	4.0		mg/Kg	1		SW-846 9014	5/18/15	5/19/15 16:15	AG
Reactive Sulfide	ND	20		mg/Kg	1		SW-846 9030A	5/18/15	5/19/15 16:15	DJM
Specific conductance	5.5	2.0		µmhos/cm	1		SM21-22 2510B Modified	5/18/15	5/18/15 16:30	AG
% Solids	83.4			% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-007

Sampled: 5/6/2015 10:20

Sample ID: 15E0367-01

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:06	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/20/15	5/21/15 10:12	SCB
Barium	0.81	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:06	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:06	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:06	MJH
Lead	0.020	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:06	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:06	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:06	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

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	0.11	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Acrylonitrile	ND	0.0065	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
2-Butanone (MEK)	ND	0.044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Carbon Disulfide	ND	0.044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Chlorodibromomethane	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Chloroform	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,1-Dichloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
trans-1,2-Dichloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
2,2-Dichloropropane	ND	0.0044	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,1-Dichloropropene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
trans-1,3-Dichloropropene	ND	0.0044	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Isopropylbenzene (Cumene)	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

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	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Naphthalene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
n-Propylbenzene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,1,1,2-Tetrachloroethane	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Tetrachloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,1,2-Trichloroethane	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Trichloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
m+p Xylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:11	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		117	70-130					5/14/15 13:11	
Toluene-d8		109	70-130					5/14/15 13:11	
4-Bromofluorobenzene		95.6	70-130					5/14/15 13:11	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

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	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Benzo(a)anthracene	0.20	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Benzo(b)fluoranthene	0.23	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
4-Chloroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
4-Chloro-3-methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Fluoranthene	0.44	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

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	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1	V-16	SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Phenanthrene	0.22	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Pyrene	0.53	0.20	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:01	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		69.3	30-130					5/21/15 16:01	
Phenol-d6		74.3	30-130					5/21/15 16:01	
Nitrobenzene-d5		80.7	30-130					5/21/15 16:01	
2-Fluorobiphenyl		82.2	30-130					5/21/15 16:01	
2,4,6-Tribromophenol		86.7	30-130					5/21/15 16:01	
p-Terphenyl-d14		105	30-130					5/21/15 16:01	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.024	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Aldrin [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
alpha-BHC [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
beta-BHC [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
delta-BHC [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
gamma-BHC (Lindane) [1]	ND	0.0024	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Chlordane [1]	ND	0.024	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
4,4'-DDD [1]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
4,4'-DDE [1]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
4,4'-DDT [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Dieldrin [1]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Endosulfan I [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Endosulfan II [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Endosulfan sulfate [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Endrin [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Endrin aldehyde [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Endrin ketone [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Heptachlor [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Heptachlor epoxide [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Hexachlorobenzene [1]	ND	0.0073	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Methoxychlor [1]	ND	0.061	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Toxaphene [1]	ND	0.12	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:24	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.4	30-150					5/21/15 6:24	
Decachlorobiphenyl [2]		85.8	30-150					5/21/15 6:24	
Tetrachloro-m-xylene [1]		90.7	30-150					5/21/15 6:24	
Tetrachloro-m-xylene [2]		84.0	30-150					5/21/15 6:24	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/12/15	5/13/15 18:29	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:29	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:29	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:29	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:29	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:29	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:29	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:29	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:29	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					5/13/15 18:29	
Decachlorobiphenyl [2]		104	30-150					5/13/15 18:29	
Tetrachloro-m-xylene [1]		88.7	30-150					5/13/15 18:29	
Tetrachloro-m-xylene [2]		85.7	30-150					5/13/15 18:29	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	30	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 4:18	JMB
2,4,5-TP (Silvex) [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 4:18	JMB
2,4,5-T [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 4:18	JMB
Dalapon [1]	ND	76	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 4:18	JMB
Dicamba [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 4:18	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		91.1	30-150					5/14/15 4:18	
2,4-Dichlorophenylacetic acid [2]		84.6	30-150					5/14/15 4:18	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

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	5/19/15	5/21/15 8:17	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl	89.0		50-150					5/21/15 8:17	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	3.0	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:48	MJH
Barium	13	3.0	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:48	MJH
Cadmium	ND	0.30	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:48	MJH
Chromium	4.3	0.60	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:48	MJH
Lead	2.4	0.90	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:48	MJH
Mercury	ND	0.030	mg/Kg dry	1		SW-846 7471B	5/20/15	5/21/15 11:37	SCB
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:48	MJH
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:48	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

Sample Matrix: Soil

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.7			% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-008

Sampled: 5/6/2015 11:50

Sample ID: 15E0367-02

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:11	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/20/15	5/21/15 10:14	SCB
Barium	0.16	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:11	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:11	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:11	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:11	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:11	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:11	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

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	0.098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Bromomethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Carbon Disulfide	ND	0.039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Chlorodibromomethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Chloromethane	ND	0.0098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,2-Dibromoethane (EDB)	ND	0.00098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
trans-1,2-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,3-Dichloropropane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
2,2-Dichloropropane	ND	0.0039	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,1-Dichloropropene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
cis-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
trans-1,3-Dichloropropene	ND	0.0039	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Isopropylbenzene (Cumene)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

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	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
n-Propylbenzene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Tetrachloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Tetrahydrofuran	ND	0.0098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,1,2-Trichloroethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Trichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Vinyl Chloride	ND	0.0098	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 13:39	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		124	70-130					5/14/15 13:39	
Toluene-d8		109	70-130					5/14/15 13:39	
4-Bromofluorobenzene		95.2	70-130					5/14/15 13:39	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

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	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

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	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:24	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		73.6	30-130					5/21/15 16:24	
Phenol-d6		79.3	30-130					5/21/15 16:24	
Nitrobenzene-d5		81.0	30-130					5/21/15 16:24	
2-Fluorobiphenyl		86.0	30-130					5/21/15 16:24	
2,4,6-Tribromophenol		95.3	30-130					5/21/15 16:24	
p-Terphenyl-d14		110	30-130					5/21/15 16:24	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.021	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Aldrin [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
alpha-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
beta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
delta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
gamma-BHC (Lindane) [1]	ND	0.0021	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Chlordane [1]	ND	0.021	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
4,4'-DDD [1]	ND	0.0042	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
4,4'-DDE [1]	ND	0.0042	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
4,4'-DDT [2]	ND	0.0042	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Dieldrin [1]	ND	0.0042	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Endosulfan I [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Endosulfan II [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Endosulfan sulfate [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Endrin [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Endrin aldehyde [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Endrin ketone [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Heptachlor [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Heptachlor epoxide [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Hexachlorobenzene [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Methoxychlor [1]	ND	0.053	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 6:47	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.6	30-150					5/21/15 6:47	
Decachlorobiphenyl [2]		91.5	30-150					5/21/15 6:47	
Tetrachloro-m-xylene [1]		90.8	30-150					5/21/15 6:47	
Tetrachloro-m-xylene [2]		84.6	30-150					5/21/15 6:47	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/12/15	5/13/15 18:42	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:42	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:42	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:42	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:42	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:42	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:42	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:42	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:42	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.7	30-150					5/13/15 18:42	
Decachlorobiphenyl [2]		98.2	30-150					5/13/15 18:42	
Tetrachloro-m-xylene [1]		96.2	30-150					5/13/15 18:42	
Tetrachloro-m-xylene [2]		95.9	30-150					5/13/15 18:42	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	28	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:08	JMB
2,4,5-TP (Silvex) [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:08	JMB
2,4,5-T [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:08	JMB
Dalapon [1]	ND	69	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:08	JMB
Dicamba [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		95.5	30-150					5/14/15 5:08	
2,4-Dichlorophenylacetic acid [2]		86.1	30-150					5/14/15 5:08	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

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	5/19/15	5/21/15 8:35	SCS
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
o-Terphenyl	86.6	50-150						5/21/15 8:35	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	5/21/15	5/22/15 23:52	MJH
Barium	16	2.8	mg/Kg dry	1		SW-846 6010C	5/21/15	5/22/15 23:52	MJH
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	5/21/15	5/22/15 23:52	MJH
Chromium	4.8	0.57	mg/Kg dry	1		SW-846 6010C	5/21/15	5/22/15 23:52	MJH
Lead	1.6	0.85	mg/Kg dry	1		SW-846 6010C	5/21/15	5/22/15 23:52	MJH
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	5/20/15	5/21/15 11:39	SCB
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C	5/21/15	5/22/15 23:52	MJH
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C	5/21/15	5/22/15 23:52	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

Sample Matrix: Soil

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0			% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-009

Sampled: 5/6/2015 15:00

Sample ID: 15E0367-03

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:15	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/20/15	5/21/15 10:15	SCB
Barium	0.12	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:15	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:15	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:15	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:15	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:15	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:15	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

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	0.097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Acrylonitrile	ND	0.0058	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Benzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Bromobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Bromodichloromethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Bromoform	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Bromomethane	ND	0.0097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
n-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
sec-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
tert-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Carbon Disulfide	ND	0.039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Carbon Tetrachloride	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Chlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Chlorodibromomethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Chloroethane	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Chloromethane	ND	0.0097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
2-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
4-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,2-Dibromoethane (EDB)	ND	0.00097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Dibromomethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,2-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,3-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,4-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,1-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,2-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
cis-1,2-Dichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
trans-1,2-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,2-Dichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,3-Dichloropropane	ND	0.00097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
2,2-Dichloropropane	ND	0.0039	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,1-Dichloropropene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
cis-1,3-Dichloropropene	ND	0.00097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
trans-1,3-Dichloropropene	ND	0.0039	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Ethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Hexachlorobutadiene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
2-Hexanone (MBK)	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Isopropylbenzene (Cumene)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

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	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Methylene Chloride	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
n-Propylbenzene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Styrene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.00097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Tetrachloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Tetrahydrofuran	ND	0.0097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Toluene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,2,3-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,2,4-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,1,1-Trichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,1,2-Trichloroethane	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Trichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,2,3-Trichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,2,4-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
1,3,5-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Vinyl Chloride	ND	0.0097	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
o-Xylene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:07	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		121	70-130					5/14/15 14:07	
Toluene-d8		110	70-130					5/14/15 14:07	
4-Bromofluorobenzene		94.7	70-130					5/14/15 14:07	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

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	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Di-n-octylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

Sample Matrix: Soil

Semivolatle 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	5/20/15	5/21/15 16:47	CMR
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 16:47	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		75.1	30-130					5/21/15 16:47	
Phenol-d6		80.7	30-130					5/21/15 16:47	
Nitrobenzene-d5		84.4	30-130					5/21/15 16:47	
2-Fluorobiphenyl		87.0	30-130					5/21/15 16:47	
2,4,6-Tribromophenol		90.3	30-130					5/21/15 16:47	
p-Terphenyl-d14		108	30-130					5/21/15 16:47	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Aldrin [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
alpha-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
beta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
delta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
gamma-BHC (Lindane) [1]	ND	0.0023	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Chlordane [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
4,4'-DDD [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
4,4'-DDE [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
4,4'-DDT [2]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Dieldrin [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Endosulfan I [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Endosulfan II [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Endosulfan sulfate [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Endrin [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Endrin aldehyde [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Endrin ketone [1]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Heptachlor [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Heptachlor epoxide [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Hexachlorobenzene [1]	ND	0.0068	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Methoxychlor [1]	ND	0.057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:09	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.1	30-150					5/21/15 7:09	
Decachlorobiphenyl [2]		87.1	30-150					5/21/15 7:09	
Tetrachloro-m-xylene [1]		85.1	30-150					5/21/15 7:09	
Tetrachloro-m-xylene [2]		76.7	30-150					5/21/15 7:09	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/12/15	5/13/15 18:55	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:55	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:55	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:55	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:55	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:55	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:55	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:55	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 18:55	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		109	30-150					5/13/15 18:55	
Decachlorobiphenyl [2]		108	30-150					5/13/15 18:55	
Tetrachloro-m-xylene [1]		96.4	30-150					5/13/15 18:55	
Tetrachloro-m-xylene [2]		93.2	30-150					5/13/15 18:55	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	29	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:58	JMB
2,4,5-TP (Silvex) [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:58	JMB
2,4,5-T [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:58	JMB
Dalapon [1]	ND	72	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:58	JMB
Dicamba [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 5:58	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		93.9	30-150					5/14/15 5:58	
2,4-Dichlorophenylacetic acid [2]		84.5	30-150					5/14/15 5:58	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

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	5/19/15	5/21/15 8:52	SCS
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
o-Terphenyl	78.6		50-150			5/21/15 8:52			

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	7.1	2.8	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:54	MJH
Barium	31	2.8	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:54	MJH
Cadmium	0.40	0.28	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:54	MJH
Chromium	11	0.56	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:54	MJH
Lead	28	0.84	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:54	MJH
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	5/20/15	5/21/15 11:44	SCB
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:54	MJH
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:54	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

Sample Matrix: Soil

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2			% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050615-SD-010

Sampled: 5/6/2015 15:15

Sample ID: 15E0367-04

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:38	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/20/15	5/21/15 10:16	SCB
Barium	0.087	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:38	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:38	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:38	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:38	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:38	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:38	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

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	0.11	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Acrylonitrile	ND	0.0067	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
2-Butanone (MEK)	ND	0.045	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Carbon Disulfide	ND	0.0067	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Chloroform	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,1-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

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	0.0045	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Naphthalene	0.033	0.0045	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
m+p Xylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	5/16/15	5/16/15 9:42	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		90.6	70-130					5/16/15 9:42	
Toluene-d8		92.7	70-130					5/16/15 9:42	
4-Bromofluorobenzene		101	70-130					5/16/15 9:42	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

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	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Benzo(a)anthracene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Benzo(a)pyrene	0.24	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Benzo(b)fluoranthene	0.34	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Chrysene	0.35	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Di-n-octylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Fluoranthene	0.76	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

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	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Phenanthrene	0.83	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Pyrene	0.95	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:11	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		71.5	30-130					5/21/15 17:11	
Phenol-d6		77.2	30-130					5/21/15 17:11	
Nitrobenzene-d5		82.7	30-130					5/21/15 17:11	
2-Fluorobiphenyl		85.8	30-130					5/21/15 17:11	
2,4,6-Tribromophenol		89.0	30-130					5/21/15 17:11	
p-Terphenyl-d14		105	30-130					5/21/15 17:11	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.021	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Aldrin [1]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
alpha-BHC [1]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
beta-BHC [1]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
delta-BHC [1]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
gamma-BHC (Lindane) [1]	ND	0.0021	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Chlordane [1]	ND	0.021	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
4,4'-DDD [1]	ND	0.0042	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
4,4'-DDE [1]	ND	0.0042	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
4,4'-DDT [2]	ND	0.0042	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Dieldrin [1]	ND	0.0042	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Endosulfan I [1]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Endosulfan II [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Endosulfan sulfate [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Endrin [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Endrin aldehyde [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Endrin ketone [1]	ND	0.0084	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Heptachlor [1]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Heptachlor epoxide [1]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Hexachlorobenzene [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Methoxychlor [1]	ND	0.052	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Toxaphene [1]	ND	0.10	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:31	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.0	30-150					5/21/15 7:31	
Decachlorobiphenyl [2]		94.9	30-150					5/21/15 7:31	
Tetrachloro-m-xylene [1]		93.4	30-150					5/21/15 7:31	
Tetrachloro-m-xylene [2]		83.3	30-150					5/21/15 7:31	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/12/15	5/13/15 19:08	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:08	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:08	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:08	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:08	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:08	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:08	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:08	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:08	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		98.5	30-150					5/13/15 19:08	
Decachlorobiphenyl [2]		97.9	30-150					5/13/15 19:08	
Tetrachloro-m-xylene [1]		80.4	30-150					5/13/15 19:08	
Tetrachloro-m-xylene [2]		76.4	30-150					5/13/15 19:08	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	28	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 6:47	JMB
2,4,5-TP (Silvex) [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 6:47	JMB
2,4,5-T [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 6:47	JMB
Dalapon [1]	ND	69	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 6:47	JMB
Dicamba [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 6:47	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		85.0	30-150					5/14/15 6:47	
2,4-Dichlorophenylacetic acid [2]		77.7	30-150					5/14/15 6:47	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	51	11	mg/Kg dry	1		CTDEP ETPH	5/19/15	5/21/15 9:10	SCS
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
o-Terphenyl	61.7	50-150						5/21/15 9:10	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:58	MJH
Barium	11	2.7	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:58	MJH
Cadmium	0.31	0.27	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:58	MJH
Chromium	7.0	0.55	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:58	MJH
Lead	6.3	0.82	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:58	MJH
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	5/20/15	5/21/15 11:45	SCB
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:58	MJH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 11:58	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

Sample Matrix: Soil

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.2			% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-011

Sampled: 5/7/2015 09:40

Sample ID: 15E0367-05

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/20/15	5/21/15 10:18	SCB
Barium	0.10	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Lead	0.23	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:43	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

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	0.093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Acrylonitrile	ND	0.0056	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Benzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Bromobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Bromodichloromethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Bromoform	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Bromomethane	ND	0.0093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
n-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
sec-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
tert-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Carbon Disulfide	ND	0.037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Carbon Tetrachloride	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Chlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Chlorodibromomethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Chloroethane	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Chloromethane	ND	0.0093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
2-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
4-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,2-Dibromoethane (EDB)	ND	0.00093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Dibromomethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,2-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,3-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,4-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,1-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,2-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
cis-1,2-Dichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
trans-1,2-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,2-Dichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,3-Dichloropropane	ND	0.00093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
2,2-Dichloropropane	ND	0.0037	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,1-Dichloropropene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
cis-1,3-Dichloropropene	ND	0.00093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
trans-1,3-Dichloropropene	ND	0.0037	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Ethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Hexachlorobutadiene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
2-Hexanone (MBK)	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Isopropylbenzene (Cumene)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

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	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Methylene Chloride	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
n-Propylbenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Styrene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,1,1,2-Tetrachloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.00093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Tetrachloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Tetrahydrofuran	ND	0.0093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Toluene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,2,3-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,2,4-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,1,1-Trichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,1,2-Trichloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Trichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,2,3-Trichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,2,4-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
1,3,5-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Vinyl Chloride	ND	0.0093	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
o-Xylene	ND	0.0019	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 14:34	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		124	70-130					5/14/15 14:34	
Toluene-d8		109	70-130					5/14/15 14:34	
4-Bromofluorobenzene		95.2	70-130					5/14/15 14:34	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

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	5/20/15	5/21/15 17:34	CMR
Acenaphthylene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Anthracene	0.22	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Benzo(a)anthracene	0.98	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Benzo(a)pyrene	0.61	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Benzo(b)fluoranthene	0.84	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Benzo(g,h,i)perylene	0.38	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Benzo(k)fluoranthene	0.34	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Chrysene	1.0	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Fluoranthene	2.4	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Fluorene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Indeno(1,2,3-cd)pyrene	0.40	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

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	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Phenanthrene	2.9	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Pyrene	3.0	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:34	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		75.3	30-130					5/21/15 17:34	
Phenol-d6		81.4	30-130					5/21/15 17:34	
Nitrobenzene-d5		86.5	30-130					5/21/15 17:34	
2-Fluorobiphenyl		89.2	30-130					5/21/15 17:34	
2,4,6-Tribromophenol		92.8	30-130					5/21/15 17:34	
p-Terphenyl-d14		109	30-130					5/21/15 17:34	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Aldrin [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
alpha-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
beta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
delta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
gamma-BHC (Lindane) [1]	ND	0.011	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
4,4'-DDD [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
4,4'-DDE [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
4,4'-DDT [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Dieldrin [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Endosulfan I [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Endosulfan II [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Endosulfan sulfate [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Endrin [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Endrin aldehyde [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Endrin ketone [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Heptachlor [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Heptachlor epoxide [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Hexachlorobenzene [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Methoxychlor [1]	ND	0.27	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Toxaphene [1]	ND	0.53	mg/Kg dry	5		SW-846 8081B	5/20/15	5/21/15 17:11	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		81.3	30-150					5/21/15 17:11	
Decachlorobiphenyl [2]		97.2	30-150					5/21/15 17:11	
Tetrachloro-m-xylene [1]		80.7	30-150					5/21/15 17:11	
Tetrachloro-m-xylene [2]		73.7	30-150					5/21/15 17:11	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/12/15	5/13/15 19:21	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:21	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:21	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:21	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:21	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:21	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:21	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:21	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:21	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		107	30-150					5/13/15 19:21	
Decachlorobiphenyl [2]		107	30-150					5/13/15 19:21	
Tetrachloro-m-xylene [1]		88.2	30-150					5/13/15 19:21	
Tetrachloro-m-xylene [2]		83.9	30-150					5/13/15 19:21	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	27	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 7:37	JMB
2,4,5-TP (Silvex) [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 7:37	JMB
2,4,5-T [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 7:37	JMB
Dalapon [1]	ND	68	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 7:37	JMB
Dicamba [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 7:37	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		99.5	30-150					5/14/15 7:37	
2,4-Dichlorophenylacetic acid [2]		92.2	30-150					5/14/15 7:37	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	62	11	mg/Kg dry	1		CTDEP ETPH	5/19/15	5/21/15 9:28	SCS
Surrogates			% Recovery	Recovery Limits					
o-Terphenyl			67.2	50-150			5/21/15 9:28		

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:05	MJH
Barium	23	2.8	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:05	MJH
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:05	MJH
Chromium	6.1	0.56	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:05	MJH
Lead	14	0.83	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:05	MJH
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	5/20/15	5/21/15 11:47	SCB
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:05	MJH
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:05	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

Sample Matrix: Soil

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.47		mg/Kg dry	1		SW-846 9014	5/15/15	5/16/15 15:10	VAK
Flashpoint	> 212 °F			°F	1		SW-846 1010	5/18/15	5/18/15 12:40	AG
pH @20.8°C	4.6			pH Units	1	H-03	SW-846 9045C	5/9/15	5/9/15 10:15	MMH
Reactive Cyanide	ND	4.0		mg/Kg	1		SW-846 9014	5/18/15	5/19/15 16:15	AG
Reactive Sulfide	ND	20		mg/Kg	1		SW-846 9030A	5/18/15	5/19/15 16:15	DJM
Specific conductance	3.9	2.0		µmhos/cm	1		SM21-22 2510B Modified	5/18/15	5/18/15 16:30	AG
% Solids	89.7			% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050715-SD-012

Sampled: 5/7/2015 11:35

Sample ID: 15E0367-06

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:47	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/20/15	5/21/15 10:19	SCB
Barium	0.36	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:47	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:47	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:47	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:47	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:47	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:47	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

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	0.089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Acrylonitrile	ND	0.0053	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Bromomethane	ND	0.0089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
2-Butanone (MEK)	ND	0.035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Carbon Disulfide	ND	0.035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Chlorodibromomethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Chloroform	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Chloromethane	ND	0.0089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,2-Dibromoethane (EDB)	ND	0.00089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
trans-1,4-Dichloro-2-butene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,1-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
trans-1,2-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,3-Dichloropropane	ND	0.00089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
2,2-Dichloropropane	ND	0.0035	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,1-Dichloropropene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
cis-1,3-Dichloropropene	ND	0.00089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
trans-1,3-Dichloropropene	ND	0.0035	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Isopropylbenzene (Cumene)	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

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	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Naphthalene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
n-Propylbenzene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,1,1,2-Tetrachloroethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.00089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Tetrachloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Tetrahydrofuran	ND	0.0089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,1,2-Trichloroethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Trichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Vinyl Chloride	ND	0.0089	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
m+p Xylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:01	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		123	70-130				5/14/15	15:01	
Toluene-d8		109	70-130				5/14/15	15:01	
4-Bromofluorobenzene		93.8	70-130				5/14/15	15:01	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Acenaphthene	ND	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Acenaphthylene	0.74	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Acenaphthylene	1.1	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Aniline	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Anthracene	0.82	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Anthracene	1.1	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Benzo(a)anthracene	3.6	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Benzo(a)anthracene	3.3	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Benzo(a)pyrene	2.9	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Benzo(a)pyrene	2.7	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Benzo(b)fluoranthene	3.7	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Benzo(b)fluoranthene	3.6	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Benzo(g,h,i)perylene	1.9	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Benzo(g,h,i)perylene	1.8	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Benzo(k)fluoranthene	1.5	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Benzo(k)fluoranthene	1.2	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Bis(2-chloroethoxy)methane	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Bis(2-chloroethyl)ether	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Bis(2-chloroisopropyl)ether	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Bis(2-Ethylhexyl)phthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
4-Bromophenylphenylether	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Butylbenzylphthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Carbazole	0.40	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Carbazole	ND	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
4-Chloroaniline	ND	3.7	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
4-Chloro-3-methylphenol	ND	3.7	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2-Chloronaphthalene	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2-Chlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
4-Chlorophenylphenylether	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Chrysene	4.0	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Chrysene	3.7	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

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	0.55	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Dibenz(a,h)anthracene	ND	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Dibenzofuran	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Di-n-butylphthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
3,3-Dichlorobenzidine	ND	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2,4-Dichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Diethylphthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2,4-Dimethylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Dimethylphthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
4,6-Dinitro-2-methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2,4-Dinitrophenol	ND	3.7	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2,4-Dinitrotoluene	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2,6-Dinitrotoluene	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Di-n-octylphthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Fluoranthene	8.8	0.19	mg/Kg dry	1	E	SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Fluoranthene	7.1	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Fluorene	0.75	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Fluorene	ND	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Hexachlorobenzene	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Hexachlorobutadiene	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Hexachlorocyclopentadiene	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Hexachloroethane	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Indeno(1,2,3-cd)pyrene	1.7	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Indeno(1,2,3-cd)pyrene	1.7	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Isophorone	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2-Methylnaphthalene	0.24	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2-Methylnaphthalene	ND	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

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	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
3/4-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Naphthalene	ND	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2-Nitroaniline	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
3-Nitroaniline	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
4-Nitroaniline	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Nitrobenzene	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2-Nitrophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
4-Nitrophenol	ND	3.7	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
N-Nitrosodiphenylamine	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
N-Nitrosodi-n-propylamine	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Pentachloronitrobenzene	ND	1.9	mg/Kg dry	5	V-16	SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Pentachlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Phenanthrene	9.6	0.19	mg/Kg dry	1	E	SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Phenanthrene	8.3	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Phenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Pyrene	11	0.19	mg/Kg dry	1	E	SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Pyrene	7.5	0.96	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
Pyridine	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
1,2,4,5-Tetrachlorobenzene	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
1,2,4-Trichlorobenzene	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2,4,5-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 17:57	CMR
2,4,6-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	5/20/15	5/22/15 12:28	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	74.0	30-130	

5/21/15 17:57

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

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		68.6	30-130				5/22/15	12:28	
Phenol-d6		80.3	30-130				5/21/15	17:57	
Phenol-d6		71.0	30-130				5/22/15	12:28	
Nitrobenzene-d5		85.0	30-130				5/21/15	17:57	
Nitrobenzene-d5		81.2	30-130				5/22/15	12:28	
2-Fluorobiphenyl		87.1	30-130				5/21/15	17:57	
2-Fluorobiphenyl		82.2	30-130				5/22/15	12:28	
2,4,6-Tribromophenol		92.3	30-130				5/21/15	17:57	
2,4,6-Tribromophenol		81.3	30-130				5/22/15	12:28	
p-Terphenyl-d14		105	30-130				5/21/15	17:57	
p-Terphenyl-d14		76.8	30-130				5/22/15	12:28	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Aldrin [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
alpha-BHC [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
beta-BHC [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
delta-BHC [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
gamma-BHC (Lindane) [1]	ND	0.0022	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Chlordane [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
4,4'-DDD [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
4,4'-DDE [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
4,4'-DDT [2]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Dieldrin [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Endosulfan I [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Endosulfan II [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Endosulfan sulfate [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Endrin [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Endrin aldehyde [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Endrin ketone [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Heptachlor [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Heptachlor epoxide [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Hexachlorobenzene [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Methoxychlor [1]	ND	0.056	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 7:53	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		93.1	30-150					5/21/15 7:53	
Decachlorobiphenyl [2]		89.6	30-150					5/21/15 7:53	
Tetrachloro-m-xylene [1]		87.7	30-150					5/21/15 7:53	
Tetrachloro-m-xylene [2]		80.7	30-150					5/21/15 7:53	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/12/15	5/13/15 19:34	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:34	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:34	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:34	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:34	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:34	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:34	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:34	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:34	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		95.8	30-150					5/13/15 19:34	
Decachlorobiphenyl [2]		104	30-150					5/13/15 19:34	
Tetrachloro-m-xylene [1]		83.2	30-150					5/13/15 19:34	
Tetrachloro-m-xylene [2]		76.8	30-150					5/13/15 19:34	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	28	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 8:27	JMB
2,4,5-TP (Silvex) [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 8:27	JMB
2,4,5-T [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 8:27	JMB
Dalapon [1]	ND	70	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 8:27	JMB
Dicamba [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 8:27	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		98.6	30-150					5/14/15 8:27	
2,4-Dichlorophenylacetic acid [2]		92.2	30-150					5/14/15 8:27	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	490	110	mg/Kg dry	10		CTDEP ETPH	5/19/15	5/21/15 11:31	SCS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
o-Terphenyl		98.3		50-150				5/21/15 11:31	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:11	MJH
Barium	18	2.8	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:11	MJH
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:11	MJH
Chromium	5.8	0.56	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:11	MJH
Lead	4.8	0.83	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:11	MJH
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	5/20/15	5/21/15 11:48	SCB
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:11	MJH
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:11	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

Sample Matrix: Soil

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7			% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-013

Sampled: 5/8/2015 08:30

Sample ID: 15E0367-07

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:52	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/20/15	5/21/15 10:21	SCB
Barium	0.15	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:52	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:52	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:52	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:52	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:52	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:52	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

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	0.11	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Acrylonitrile	ND	0.0064	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
2-Butanone (MEK)	ND	0.043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Carbon Disulfide	ND	0.043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Chlorodibromomethane	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Chloroform	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,1-Dichloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
trans-1,2-Dichloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
2,2-Dichloropropane	ND	0.0043	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,1-Dichloropropene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
trans-1,3-Dichloropropene	ND	0.0043	mg/Kg dry	1	L-03, V-05	SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Isopropylbenzene (Cumene)	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

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	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Naphthalene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
n-Propylbenzene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,1,1,2-Tetrachloroethane	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Tetrachloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,1,2-Trichloroethane	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Trichloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
m+p Xylene	ND	0.0043	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/14/15	5/14/15 15:29	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		124	70-130					5/14/15 15:29	
Toluene-d8		108	70-130					5/14/15 15:29	
4-Bromofluorobenzene		94.2	70-130					5/14/15 15:29	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

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	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Di-n-octylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

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	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	5/20/15	5/21/15 18:21	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		74.8	30-130					5/21/15 18:21	
Phenol-d6		81.3	30-130					5/21/15 18:21	
Nitrobenzene-d5		84.3	30-130					5/21/15 18:21	
2-Fluorobiphenyl		89.2	30-130					5/21/15 18:21	
2,4,6-Tribromophenol		96.2	30-130					5/21/15 18:21	
p-Terphenyl-d14		113	30-130					5/21/15 18:21	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Aldrin [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
alpha-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
beta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
delta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
gamma-BHC (Lindane) [1]	ND	0.0023	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Chlordane [1]	ND	0.023	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
4,4'-DDD [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
4,4'-DDE [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
4,4'-DDT [1]	0.011	0.0046	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Dieldrin [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Endosulfan I [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Endosulfan II [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Endosulfan sulfate [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Endrin [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Endrin aldehyde [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Endrin ketone [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Heptachlor [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Heptachlor epoxide [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Hexachlorobenzene [1]	ND	0.0069	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Methoxychlor [1]	ND	0.057	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	5/20/15	5/21/15 11:58	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		70.9	30-150					5/21/15 11:58	
Decachlorobiphenyl [2]		74.0	30-150					5/21/15 11:58	
Tetrachloro-m-xylene [1]		71.5	30-150					5/21/15 11:58	
Tetrachloro-m-xylene [2]		63.9	30-150					5/21/15 11:58	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/12/15	5/13/15 19:47	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:47	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:47	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:47	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:47	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:47	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:47	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:47	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/13/15 19:47	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		110	30-150					5/13/15 19:47	
Decachlorobiphenyl [2]		109	30-150					5/13/15 19:47	
Tetrachloro-m-xylene [1]		91.7	30-150					5/13/15 19:47	
Tetrachloro-m-xylene [2]		88.6	30-150					5/13/15 19:47	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	29	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 9:17	JMB
2,4,5-TP (Silvex) [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 9:17	JMB
2,4,5-T [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 9:17	JMB
Dalapon [1]	ND	71	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 9:17	JMB
Dicamba [1]	ND	2.9	µg/kg dry	1		SW-846 8151A	5/11/15	5/14/15 9:17	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		101	30-150					5/14/15 9:17	
2,4-Dichlorophenylacetic acid [2]		98.5	30-150					5/14/15 9:17	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	15	11	mg/Kg dry	1		CTDEP ETPH	5/19/15	5/21/15 9:45	SCS
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
o-Terphenyl	70.7		50-150					5/21/15 9:45	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.1	2.8	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:16	MJH
Barium	97	2.8	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:16	MJH
Cadmium	0.70	0.28	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:16	MJH
Chromium	13	0.56	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:16	MJH
Lead	210	0.84	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:16	MJH
Mercury	0.055	0.028	mg/Kg dry	1		SW-846 7471B	5/20/15	5/21/15 11:50	SCB
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:16	MJH
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	5/20/15	5/21/15 12:16	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

Sample Matrix: Soil

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9			% Wt	1		SM 2540G	5/12/15	5/13/15 8:01	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: SO-83167-050815-SD-014

Sampled: 5/8/2015 11:50

Sample ID: 15E0367-08

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:56	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/20/15	5/21/15 10:22	SCB
Barium	0.12	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:56	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:56	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:56	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:56	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:56	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/20/15	5/21/15 11:56	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: GW-83167-050815-SD-001

Sampled: 5/8/2015 10:10

Sample ID: 15E0367-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Chloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L	1	V-05	SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03	SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1	V-05	SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Hexachlorobutadiene	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: GW-83167-050815-SD-001

Sampled: 5/8/2015 10:10

Sample ID: 15E0367-09

Sample Matrix: Ground Water

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	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	5/19/15	5/20/15 8:48	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Tetrahydrofuran	ND	10	µg/L	1	V-05, V-16	SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 8:48	MFF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4	82.6	70-130							
Toluene-d8	93.8	70-130							
4-Bromofluorobenzene	94.2	70-130							

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: GW-83167-050815-SD-001

Sampled: 5/8/2015 10:10

Sample ID: 15E0367-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (low)	ND	0.30	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Acenaphthylene (low)	ND	0.30	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Aniline	ND	5.0	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Anthracene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Benzo(a)anthracene (low)	ND	0.050	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Benzo(a)pyrene (low)	ND	0.10	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Benzo(b)fluoranthene (low)	ND	0.050	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Benzo(g,h,i)perylene (low)	ND	0.50	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Benzo(k)fluoranthene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Bis(2-Ethylhexyl)phthalate	2.8	2.0	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Chrysene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Dibenz(a,h)anthracene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Fluoranthene (low)	ND	0.50	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Fluorene (low)	ND	1.0	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Hexachlorobenzene	ND	2.0	µg/L	1	RL-03	SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Indeno(1,2,3-cd)pyrene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2-Methylnaphthalene (low)	ND	1.0	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: GW-83167-050815-SD-001

Sampled: 5/8/2015 10:10

Sample ID: 15E0367-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Naphthalene (low)	ND	1.0	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Pentachloronitrobenzene	ND	5.0	µg/L	1	RL-03, V-16	SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Pentachlorophenol	ND	5.0	µg/L	1	RL-03	SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Phenanthrene (low)	0.061	0.050	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Pyrene (low)	ND	1.0	µg/L	1		SW-846 8270D	5/12/15	5/14/15 11:39	CJM
Pyridine	ND	5.0	µg/L	1	RL-03	SW-846 8270D	5/12/15	5/13/15 12:33	BGL
1,2,4,5-Tetrachlorobenzene	ND	2.0	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	5/12/15	5/13/15 12:33	BGL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		32.7	15-110					5/13/15 12:33	
Phenol-d6		21.8	15-110					5/13/15 12:33	
Nitrobenzene-d5		79.4	30-130					5/13/15 12:33	
Nitrobenzene-d5 (low)		48.7	30-130					5/14/15 11:39	
2-Fluorobiphenyl		73.6	30-130					5/13/15 12:33	
2-Fluorobiphenyl (low)		45.1	30-130					5/14/15 11:39	
2,4,6-Tribromophenol		73.0	15-110					5/13/15 12:33	
p-Terphenyl-d14		78.6	30-130					5/13/15 12:33	
p-Terphenyl-d14 (low)		44.2	30-130					5/14/15 11:39	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: GW-83167-050815-SD-001

Sampled: 5/8/2015 10:10

Sample ID: 15E0367-09

Sample Matrix: Ground Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.20	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Aldrin [1]	ND	0.050	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
alpha-BHC [1]	ND	0.050	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
beta-BHC [1]	ND	0.050	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
delta-BHC [1]	ND	0.050	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
gamma-BHC (Lindane) [1]	ND	0.030	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Chlordane [1]	ND	0.20	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
4,4'-DDD [1]	ND	0.040	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
4,4'-DDE [1]	ND	0.040	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
4,4'-DDT [1]	ND	0.040	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Dieldrin [1]	ND	0.0020	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Endosulfan I [1]	ND	0.050	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Endosulfan II [1]	ND	0.080	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Endosulfan sulfate [1]	ND	0.080	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Endrin [1]	ND	0.080	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Endrin aldehyde [1]	ND	0.080	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Endrin ketone [1]	ND	0.080	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Heptachlor [1]	ND	0.050	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Heptachlor epoxide [1]	ND	0.050	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Hexachlorobenzene [1]	ND	0.050	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Methoxychlor [1]	ND	0.50	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Toxaphene [1]	ND	1.0	µg/L	1		SW-846 8081B	5/13/15	5/15/15 15:43	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		82.5	30-150					5/15/15 15:43	
Decachlorobiphenyl [2]		97.1	30-150					5/15/15 15:43	
Tetrachloro-m-xylene [1]		86.0	30-150					5/15/15 15:43	
Tetrachloro-m-xylene [2]		92.8	30-150					5/15/15 15:43	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: GW-83167-050815-SD-001

Sampled: 5/8/2015 10:10

Sample ID: 15E0367-09

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/14/15 16:07	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/14/15 16:07	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/14/15 16:07	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/14/15 16:07	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/14/15 16:07	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/14/15 16:07	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/14/15 16:07	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/14/15 16:07	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/14/15 16:07	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		74.2	30-150					5/14/15 16:07	
Decachlorobiphenyl [2]		71.5	30-150					5/14/15 16:07	
Tetrachloro-m-xylene [1]		79.6	30-150					5/14/15 16:07	
Tetrachloro-m-xylene [2]		85.9	30-150					5/14/15 16:07	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: GW-83167-050815-SD-001

Sampled: 5/8/2015 10:10

Sample ID: 15E0367-09

Sample Matrix: Ground Water

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	0.50	µg/L	1		SW-846 8151A	5/13/15	5/18/15 15:52	JMB
2,4,5-TP (Silvex) [1]	ND	0.050	µg/L	1		SW-846 8151A	5/13/15	5/18/15 15:52	JMB
2,4,5-T [1]	ND	0.10	µg/L	1		SW-846 8151A	5/13/15	5/18/15 15:52	JMB
Dalapon [1]	ND	1.2	µg/L	1		SW-846 8151A	5/13/15	5/18/15 15:52	JMB
Dicamba [1]	ND	0.050	µg/L	1		SW-846 8151A	5/13/15	5/18/15 15:52	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		113	30-150					5/18/15 15:52	
2,4-Dichlorophenylacetic acid [2]		89.9	30-150					5/18/15 15:52	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: GW-83167-050815-SD-001

Sampled: 5/8/2015 10:10

Sample ID: 15E0367-09

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.0	µg/L	5		SW-846 6020A	5/18/15	5/19/15 10:31	KSH
Barium	ND	50	µg/L	5		SW-846 6020A	5/18/15	5/19/15 10:31	KSH
Cadmium	ND	2.5	µg/L	5		SW-846 6020A	5/18/15	5/19/15 10:31	KSH
Chromium	ND	5.0	µg/L	5		SW-846 6020A	5/18/15	5/19/15 10:31	KSH
Lead	ND	5.0	µg/L	5		SW-846 6020A	5/18/15	5/19/15 10:31	KSH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/16/15	5/18/15 11:55	SCB
Selenium	ND	25	µg/L	5		SW-846 6020A	5/18/15	5/19/15 10:31	KSH
Silver	ND	2.5	µg/L	5		SW-846 6020A	5/18/15	5/19/15 10:31	KSH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: GW-83167-050815-SD-001

Sampled: 5/8/2015 10:10

Sample ID: 15E0367-09

Sample Matrix: Ground Water

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

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ammonia as N	ND	0.30		mg/L	1		SM19-22 4500 NH3 C	5/18/15	5/18/15 14:35	VAK
Chloride	80	1.0		mg/L	1		SM21-22 4500 CL B	5/12/15	5/12/15 14:45	DJM
Cyanide	ND	0.010		mg/L	1		SM21-22 4500 CN E	5/13/15	5/14/15 13:45	VAK
Cyanide (amenable)	ND	0.010	0.0070	mg/L	1		SM21-22 4500 CN G	5/13/15	5/14/15 13:45	VAK
Total Suspended Solids	ND	5.0		mg/L	1		SM21-22 2540D	5/13/15	5/13/15 13:30	LL
Oil & Grease (HEM)	ND	1.6		mg/L	1	MS-07	EPA 1664B	5/21/15	5/21/15 12:30	LL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: Trip Blank

Sampled: 5/8/2015 00:00

Sample ID: 15E0367-10

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Chloromethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L	1	V-05	SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1	L-03	SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1	V-05	SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Hexachlorobutadiene	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0367

Date Received: 5/8/2015

Field Sample #: Trip Blank

Sampled: 5/8/2015 00:00

Sample ID: 15E0367-10

Sample Matrix: Trip Blank Water

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	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260C	5/19/15	5/20/15 1:40	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Tetrahydrofuran	ND	10	µg/L	1	V-05, V-16	SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,2,3-Trichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	5/19/15	5/20/15 1:40	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		80.7	70-130					5/20/15 1:40	
Toluene-d8		94.2	70-130					5/20/15 1:40	
4-Bromofluorobenzene		93.4	70-130					5/20/15 1:40	

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B122119	31.0	1.00	05/19/15
15E0367-02 [SO-83167-050615-SD-008]	B122119	30.8	1.00	05/19/15
15E0367-03 [SO-83167-050615-SD-009]	B122119	31.1	1.00	05/19/15
15E0367-04 [SO-83167-050615-SD-010]	B122119	31.1	1.00	05/19/15
15E0367-05 [SO-83167-050715-SD-011]	B122119	30.9	1.00	05/19/15
15E0367-06 [SO-83167-050715-SD-012]	B122119	31.6	1.00	05/19/15
15E0367-07 [SO-83167-050815-SD-013]	B122119	32.0	1.00	05/19/15
15E0367-08 [SO-83167-050815-SD-014]	B122119	30.7	1.00	05/19/15

EPA 1664B

Lab Number [Field ID]	Batch	Initial [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B122248	900	05/21/15

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0367-01 [SO-83167-050615-SD-007]	B121572	05/12/15
15E0367-02 [SO-83167-050615-SD-008]	B121572	05/12/15
15E0367-03 [SO-83167-050615-SD-009]	B121572	05/12/15
15E0367-04 [SO-83167-050615-SD-010]	B121572	05/12/15
15E0367-05 [SO-83167-050715-SD-011]	B121572	05/12/15
15E0367-06 [SO-83167-050715-SD-012]	B121572	05/12/15
15E0367-07 [SO-83167-050815-SD-013]	B121572	05/12/15
15E0367-08 [SO-83167-050815-SD-014]	B121572	05/12/15

SM19-22 4500 NH3 C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121969	100	100	05/18/15

SM21-22 2510B Modified

Lab Number [Field ID]	Batch	Initial [g]	Date
15E0367-01 [SO-83167-050615-SD-007]	B121959	1.00	05/18/15
15E0367-06 [SO-83167-050715-SD-012]	B121959	1.00	05/18/15

SM21-22 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121592	100	05/13/15

SM21-22 4500 CL B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121560	100	100	05/12/15

Sample Extraction Data

SM21-22 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121657	50.0	50.0	05/13/15

SM21-22 4500 CN G

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121662	50.0	50.0	05/13/15

SW-846 1010

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B121956	50.0	50.0	05/18/15
15E0367-06 [SO-83167-050715-SD-012]	B121956	50.0	50.0	05/18/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B122159	1.01	50.0	05/20/15
15E0367-02 [SO-83167-050615-SD-008]	B122159	1.01	50.0	05/20/15
15E0367-04 [SO-83167-050615-SD-010]	B122159	1.04	50.0	05/20/15
15E0367-05 [SO-83167-050715-SD-011]	B122159	1.01	50.0	05/20/15
15E0367-06 [SO-83167-050715-SD-012]	B122159	1.00	50.0	05/20/15
15E0367-07 [SO-83167-050815-SD-013]	B122159	1.03	50.0	05/20/15
15E0367-08 [SO-83167-050815-SD-014]	B122159	1.03	50.0	05/20/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-03 [SO-83167-050615-SD-009]	B122263	0.992	50.0	05/21/15

Prep Method: SW-846 3010A-SW-846 6010C

Leachates were extracted on 5/19/2015 per SW-846 1311 in Batch B122046

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B122198	50.0	50.0	05/20/15
15E0367-02 [SO-83167-050615-SD-008]	B122198	50.0	50.0	05/20/15
15E0367-03 [SO-83167-050615-SD-009]	B122198	50.0	50.0	05/20/15
15E0367-04 [SO-83167-050615-SD-010]	B122198	50.0	50.0	05/20/15
15E0367-05 [SO-83167-050715-SD-011]	B122198	50.0	50.0	05/20/15
15E0367-06 [SO-83167-050715-SD-012]	B122198	50.0	50.0	05/20/15
15E0367-07 [SO-83167-050815-SD-013]	B122198	50.0	50.0	05/20/15
15E0367-08 [SO-83167-050815-SD-014]	B122198	50.0	50.0	05/20/15

Prep Method: SW-846 3005A-SW-846 6020A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121995	50.0	50.0	05/18/15

Sample Extraction Data

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121904	6.00	6.00	05/16/15

Prep Method: SW-846 7470A Prep-SW-846 7470A

Leachates were extracted on 5/19/2015 per SW-846 1311 in Batch B122046

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B122173	6.00	6.00	05/20/15
15E0367-02 [SO-83167-050615-SD-008]	B122173	6.00	6.00	05/20/15
15E0367-03 [SO-83167-050615-SD-009]	B122173	6.00	6.00	05/20/15
15E0367-04 [SO-83167-050615-SD-010]	B122173	6.00	6.00	05/20/15
15E0367-05 [SO-83167-050715-SD-011]	B122173	6.00	6.00	05/20/15
15E0367-06 [SO-83167-050715-SD-012]	B122173	6.00	6.00	05/20/15
15E0367-07 [SO-83167-050815-SD-013]	B122173	6.00	6.00	05/20/15
15E0367-08 [SO-83167-050815-SD-014]	B122173	6.00	6.00	05/20/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B122155	0.622	50.0	05/20/15
15E0367-02 [SO-83167-050615-SD-008]	B122155	0.617	50.0	05/20/15
15E0367-03 [SO-83167-050615-SD-009]	B122155	0.617	50.0	05/20/15
15E0367-04 [SO-83167-050615-SD-010]	B122155	0.612	50.0	05/20/15
15E0367-05 [SO-83167-050715-SD-011]	B122155	0.638	50.0	05/20/15
15E0367-06 [SO-83167-050715-SD-012]	B122155	0.623	50.0	05/20/15
15E0367-07 [SO-83167-050815-SD-013]	B122155	0.623	50.0	05/20/15
15E0367-08 [SO-83167-050815-SD-014]	B122155	0.615	50.0	05/20/15

Prep Method: SW-846 3546-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B122145	10.6	10.0	05/20/15
15E0367-02 [SO-83167-050615-SD-008]	B122145	10.1	10.0	05/20/15
15E0367-03 [SO-83167-050615-SD-009]	B122145	10.6	10.0	05/20/15
15E0367-04 [SO-83167-050615-SD-010]	B122145	10.2	10.0	05/20/15
15E0367-05 [SO-83167-050715-SD-011]	B122145	10.6	10.0	05/20/15
15E0367-06 [SO-83167-050715-SD-012]	B122145	10.5	10.0	05/20/15
15E0367-07 [SO-83167-050815-SD-013]	B122145	10.1	10.0	05/20/15
15E0367-08 [SO-83167-050815-SD-014]	B122145	10.0	10.0	05/20/15

Prep Method: SW-846 3510C-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121600	1000	10.0	05/13/15

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B121571	10.0	10.0	05/12/15
15E0367-02 [SO-83167-050615-SD-008]	B121571	10.3	10.0	05/12/15
15E0367-03 [SO-83167-050615-SD-009]	B121571	10.0	10.0	05/12/15

Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-04 [SO-83167-050615-SD-010]	B121571	10.1	10.0	05/12/15
15E0367-05 [SO-83167-050715-SD-011]	B121571	10.2	10.0	05/12/15
15E0367-06 [SO-83167-050715-SD-012]	B121571	10.4	10.0	05/12/15
15E0367-07 [SO-83167-050815-SD-013]	B121571	10.3	10.0	05/12/15
15E0367-08 [SO-83167-050815-SD-014]	B121571	10.5	10.0	05/12/15

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121593	1000	10.0	05/13/15

Prep Method: SW-846 8151-SW-846 8151A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B121397	20.3	5.00	05/11/15
15E0367-02 [SO-83167-050615-SD-008]	B121397	20.1	5.00	05/11/15
15E0367-03 [SO-83167-050615-SD-009]	B121397	20.4	5.00	05/11/15
15E0367-04 [SO-83167-050615-SD-010]	B121397	20.1	5.00	05/11/15
15E0367-05 [SO-83167-050715-SD-011]	B121397	20.1	5.00	05/11/15
15E0367-06 [SO-83167-050715-SD-012]	B121397	20.4	5.00	05/11/15
15E0367-07 [SO-83167-050815-SD-013]	B121397	20.3	5.00	05/11/15
15E0367-08 [SO-83167-050815-SD-014]	B121397	20.2	5.00	05/11/15

Prep Method: SW-846 3510C-SW-846 8151A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121605	1000	5.00	05/13/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B121752	5.97	10.0	05/14/15
15E0367-02 [SO-83167-050615-SD-008]	B121752	5.62	10.0	05/14/15
15E0367-03 [SO-83167-050615-SD-009]	B121752	5.72	10.0	05/14/15
15E0367-04 [SO-83167-050615-SD-010]	B121752	5.95	10.0	05/14/15
15E0367-06 [SO-83167-050715-SD-012]	B121752	6.01	10.0	05/14/15
15E0367-07 [SO-83167-050815-SD-013]	B121752	6.43	10.0	05/14/15
15E0367-08 [SO-83167-050815-SD-014]	B121752	5.41	10.0	05/14/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-05 [SO-83167-050715-SD-011]	B121890	4.98	10.0	05/16/15

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
-----------------------	-------	--------------	------------	------

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B122062	5	5.00	05/19/15
15E0367-10 [Trip Blank]	B122062	5	5.00	05/19/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B122149	30.4	1.00	05/20/15
15E0367-02 [SO-83167-050615-SD-008]	B122149	31.5	1.00	05/20/15
15E0367-03 [SO-83167-050615-SD-009]	B122149	30.3	1.00	05/20/15
15E0367-04 [SO-83167-050615-SD-010]	B122149	30.7	1.00	05/20/15
15E0367-05 [SO-83167-050715-SD-011]	B122149	30.2	1.00	05/20/15
15E0367-06 [SO-83167-050715-SD-012]	B122149	30.2	1.00	05/20/15
15E0367-07 [SO-83167-050815-SD-013]	B122149	30.3	1.00	05/20/15
15E0367-07RE1 [SO-83167-050815-SD-013]	B122149	30.3	1.00	05/20/15
15E0367-08 [SO-83167-050815-SD-014]	B122149	31.2	1.00	05/20/15

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0367-09 [GW-83167-050815-SD-001]	B121495	1000	1.00	05/12/15

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B121872	1.32	50.0	05/15/15
15E0367-06 [SO-83167-050715-SD-012]	B121872	1.20	50.0	05/15/15

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B121957	25.2	250	05/18/15
15E0367-06 [SO-83167-050715-SD-012]	B121957	25.2	250	05/18/15

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0367-01 [SO-83167-050615-SD-007]	B122005	25.2	250	05/18/15
15E0367-06 [SO-83167-050715-SD-012]	B122005	25.2	250	05/18/15

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
15E0367-01 [SO-83167-050615-SD-007]	B121362	20.0	05/09/15
15E0367-06 [SO-83167-050715-SD-012]	B121362	20.0	05/09/15

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

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 B121752 - SW-846 5035

Blank (B121752-BLK1)

Prepared & Analyzed: 05/14/15

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	0.040	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0040	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	0.0040	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	0.0040	mg/Kg wet							L-03, V-05
1,1-Dichloropropene	ND	0.0040	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0040	mg/Kg wet							L-03, V-05
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	0.0040	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	0.0040	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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 B121752 - SW-846 5035

Blank (B121752-BLK1)

Prepared & Analyzed: 05/14/15

Tetrachloroethylene	ND	0.0040	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	0.0040	mg/Kg wet							
Trichloroethylene	ND	0.0040	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	0.0590		mg/Kg wet	0.0500		118	70-130			
Surrogate: Toluene-d8	0.0538		mg/Kg wet	0.0500		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.0472		mg/Kg wet	0.0500		94.4	70-130			

LCS (B121752-BS1)

Prepared & Analyzed: 05/14/15

Acetone	0.255	0.10	mg/Kg wet	0.200		128	70-130			V-20
Acrylonitrile	0.0237	0.0060	mg/Kg wet	0.0200		118	70-130			
Benzene	0.0238	0.0020	mg/Kg wet	0.0200		119	70-130			
Bromobenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130			
Bromodichloromethane	0.0193	0.0020	mg/Kg wet	0.0200		96.6	70-130			
Bromoform	0.0154	0.0020	mg/Kg wet	0.0200		77.0	70-130			
Bromomethane	0.0227	0.010	mg/Kg wet	0.0200		114	70-130			
2-Butanone (MEK)	0.218	0.040	mg/Kg wet	0.200		109	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		95.6	70-130			
tert-Butylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.6	70-130			
Carbon Disulfide	0.228	0.040	mg/Kg wet	0.200		114	70-130			
Carbon Tetrachloride	0.0149	0.0020	mg/Kg wet	0.0200		74.7	70-130			
Chlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130			
Chlorodibromomethane	0.0161	0.0040	mg/Kg wet	0.0200		80.5	70-130			
Chloroethane	0.0220	0.020	mg/Kg wet	0.0200		110	70-130			
Chloroform	0.0225	0.0040	mg/Kg wet	0.0200		113	70-130			
Chloromethane	0.0208	0.010	mg/Kg wet	0.0200		104	70-130			
2-Chlorotoluene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
4-Chlorotoluene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dibromoethane (EDB)	0.0190	0.0010	mg/Kg wet	0.0200		95.0	70-130			
Dibromomethane	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
1,2-Dichlorobenzene	0.0184	0.0020	mg/Kg wet	0.0200		91.9	70-130			
1,3-Dichlorobenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.5	70-130			
1,4-Dichlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.9	70-130			
trans-1,4-Dichloro-2-butene	0.0158	0.0040	mg/Kg wet	0.0200		78.9	70-130			
Dichlorodifluoromethane (Freon 12)	0.0162	0.020	mg/Kg wet	0.0200		81.1	70-130			
1,1-Dichloroethane	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130			
1,2-Dichloroethane	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1-Dichloroethylene	0.0208	0.0040	mg/Kg wet	0.0200		104	70-130			

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

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 B121752 - SW-846 5035

LCS (B121752-BS1)

Prepared & Analyzed: 05/14/15

cis-1,2-Dichloroethylene	0.0230	0.0020	mg/Kg wet	0.0200		115	70-130			
trans-1,2-Dichloroethylene	0.0225	0.0040	mg/Kg wet	0.0200		112	70-130			
1,2-Dichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
1,3-Dichloropropane	0.0198	0.0010	mg/Kg wet	0.0200		98.9	70-130			
2,2-Dichloropropane	0.0108	0.0040	mg/Kg wet	0.0200		54.2	70-130	*		L-03, V-05
1,1-Dichloropropene	0.0217	0.0040	mg/Kg wet	0.0200		109	70-130			
cis-1,3-Dichloropropene	0.0158	0.0010	mg/Kg wet	0.0200		79.2	70-130			
trans-1,3-Dichloropropene	0.0123	0.0040	mg/Kg wet	0.0200		61.7	70-130	*		L-03, V-05
Ethylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130			
Hexachlorobutadiene	0.0173	0.0020	mg/Kg wet	0.0200		86.6	70-130			
2-Hexanone (MBK)	0.214	0.020	mg/Kg wet	0.200		107	70-130			
Isopropylbenzene (Cumene)	0.0183	0.0040	mg/Kg wet	0.0200		91.5	70-130			
p-Isopropyltoluene (p-Cymene)	0.0194	0.0020	mg/Kg wet	0.0200		96.8	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0185	0.0040	mg/Kg wet	0.0200		92.3	70-130			
Methylene Chloride	0.0212	0.020	mg/Kg wet	0.0200		106	70-130			
4-Methyl-2-pentanone (MIBK)	0.205	0.020	mg/Kg wet	0.200		103	70-130			
Naphthalene	0.0195	0.0040	mg/Kg wet	0.0200		97.3	70-130			
n-Propylbenzene	0.0196	0.0040	mg/Kg wet	0.0200		98.2	70-130			
Styrene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
1,1,1,2-Tetrachloroethane	0.0150	0.0040	mg/Kg wet	0.0200		74.9	70-130			
1,1,2,2-Tetrachloroethane	0.0200	0.0010	mg/Kg wet	0.0200		99.8	70-130			
Tetrachloroethylene	0.0167	0.0040	mg/Kg wet	0.0200		83.3	70-130			
Tetrahydrofuran	0.0204	0.010	mg/Kg wet	0.0200		102	70-130			
Toluene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2,3-Trichlorobenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130			
1,2,4-Trichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.3	70-130			
1,1,1-Trichloroethane	0.0156	0.0020	mg/Kg wet	0.0200		78.1	70-130			
1,1,2-Trichloroethane	0.0194	0.0040	mg/Kg wet	0.0200		97.1	70-130			
Trichloroethylene	0.0191	0.0040	mg/Kg wet	0.0200		95.7	70-130			
Trichlorofluoromethane (Freon 11)	0.0232	0.010	mg/Kg wet	0.0200		116	70-130			
1,2,3-Trichloropropane	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0192	0.010	mg/Kg wet	0.0200		96.2	70-130			
1,2,4-Trimethylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
1,3,5-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
Vinyl Chloride	0.0211	0.010	mg/Kg wet	0.0200		105	70-130			
m+p Xylene	0.0417	0.0040	mg/Kg wet	0.0400		104	70-130			
o-Xylene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0597		mg/Kg wet	0.0500		119	70-130			
Surrogate: Toluene-d8	0.0535		mg/Kg wet	0.0500		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.0490		mg/Kg wet	0.0500		97.9	70-130			

Batch B121890 - SW-846 5035

Blank (B121890-BLK1)

Prepared & Analyzed: 05/16/15

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							

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 B121890 - SW-846 5035

Blank (B121890-BLK1)

Prepared & Analyzed: 05/16/15

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							L-03, V-05
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							
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							

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 B121890 - SW-846 5035										
Blank (B121890-BLK1)										
Prepared & Analyzed: 05/16/15										
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	0.0424		mg/Kg wet	0.0500		84.9	70-130			
Surrogate: Toluene-d8	0.0464		mg/Kg wet	0.0500		92.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0505		mg/Kg wet	0.0500		101	70-130			
LCS (B121890-BS1)										
Prepared & Analyzed: 05/16/15										
Acetone	0.196	0.10	mg/Kg wet	0.200		98.1	70-130			
Acrylonitrile	0.0204	0.0060	mg/Kg wet	0.0200		102	70-130			
Benzene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
Bromobenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Bromodichloromethane	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
Bromoform	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130			
Bromomethane	0.0187	0.010	mg/Kg wet	0.0200		93.4	70-130			
2-Butanone (MEK)	0.217	0.040	mg/Kg wet	0.200		109	70-130			
n-Butylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130			
sec-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
tert-Butylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
Carbon Disulfide	0.180	0.0060	mg/Kg wet	0.200		90.1	70-130			
Carbon Tetrachloride	0.0189	0.0020	mg/Kg wet	0.0200		94.5	70-130			
Chlorobenzene	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130			
Chlorodibromomethane	0.0238	0.0010	mg/Kg wet	0.0200		119	70-130			
Chloroethane	0.0166	0.020	mg/Kg wet	0.0200		83.0	70-130			
Chloroform	0.0206	0.0040	mg/Kg wet	0.0200		103	70-130			
Chloromethane	0.0147	0.010	mg/Kg wet	0.0200		73.4	70-130			
2-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.0200		97.3	70-130			
4-Chlorotoluene	0.0185	0.0020	mg/Kg wet	0.0200		92.5	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dibromoethane (EDB)	0.0232	0.0010	mg/Kg wet	0.0200		116	70-130			
Dibromomethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2-Dichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
1,3-Dichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
1,4-Dichlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
trans-1,4-Dichloro-2-butene	0.0230	0.0040	mg/Kg wet	0.0200		115	70-130			
Dichlorodifluoromethane (Freon 12)	0.0135	0.020	mg/Kg wet	0.0200		67.4 *	70-130			V-05, L-03
1,1-Dichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dichloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
1,1-Dichloroethylene	0.0177	0.0040	mg/Kg wet	0.0200		88.6	70-130			
cis-1,2-Dichloroethylene	0.0193	0.0020	mg/Kg wet	0.0200		96.4	70-130			
trans-1,2-Dichloroethylene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
1,2-Dichloropropane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
1,3-Dichloropropane	0.0209	0.0010	mg/Kg wet	0.0200		104	70-130			
2,2-Dichloropropane	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130			
1,1-Dichloropropene	0.0185	0.0020	mg/Kg wet	0.0200		92.6	70-130			
cis-1,3-Dichloropropene	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130			
trans-1,3-Dichloropropene	0.0189	0.0010	mg/Kg wet	0.0200		94.4	70-130			

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

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 B121890 - SW-846 5035										
LCS (B121890-BS1)										
Prepared & Analyzed: 05/16/15										
Ethylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130			
Hexachlorobutadiene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
2-Hexanone (MBK)	0.221	0.020	mg/Kg wet	0.200		110	70-130			
Isopropylbenzene (Cumene)	0.0195	0.0020	mg/Kg wet	0.0200		97.3	70-130			
p-Isopropyltoluene (p-Cymene)	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0211	0.0040	mg/Kg wet	0.0200		105	70-130			
Methylene Chloride	0.0174	0.020	mg/Kg wet	0.0200		86.9	70-130			
4-Methyl-2-pentanone (MIBK)	0.216	0.020	mg/Kg wet	0.200		108	70-130			
Naphthalene	0.0228	0.0040	mg/Kg wet	0.0200		114	70-130			
n-Propylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130			
Styrene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130			
1,1,1,2-Tetrachloroethane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
1,1,2,2-Tetrachloroethane	0.0212	0.0010	mg/Kg wet	0.0200		106	70-130			
Tetrachloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
Tetrahydrofuran	0.0200	0.010	mg/Kg wet	0.0200		99.9	70-130			
Toluene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,2,3-Trichlorobenzene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
1,2,4-Trichlorobenzene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1,1-Trichloroethane	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130			
1,1,2-Trichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
Trichloroethylene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
Trichlorofluoromethane (Freon 11)	0.0181	0.010	mg/Kg wet	0.0200		90.3	70-130			
1,2,3-Trichloropropane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0182	0.010	mg/Kg wet	0.0200		91.2	70-130			
1,2,4-Trimethylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,3,5-Trimethylbenzene	0.0184	0.0020	mg/Kg wet	0.0200		91.9	70-130			
Vinyl Chloride	0.0160	0.010	mg/Kg wet	0.0200		80.1	70-130			
m+p Xylene	0.0381	0.0040	mg/Kg wet	0.0400		95.2	70-130			
o-Xylene	0.0191	0.0020	mg/Kg wet	0.0200		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0426		mg/Kg wet	0.0500		85.2	70-130			
Surrogate: Toluene-d8	0.0491		mg/Kg wet	0.0500		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.0519		mg/Kg wet	0.0500		104	70-130			

Batch B122062 - SW-846 5030B

Blank (B122062-BLK1)										
Prepared: 05/19/15 Analyzed: 05/20/15										
Acetone	ND	5.0	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							

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

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 B122062 - SW-846 5030B

Blank (B122062-BLK1)

Prepared: 05/19/15 Analyzed: 05/20/15

Chloroform	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							L-03
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							V-05
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	2.0	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							V-05, V-16
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
1,1,1-Trichloroethane	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	0.50	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L							
1,2,4-Trimethylbenzene	ND	0.50	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
Vinyl Chloride	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							

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 B122062 - SW-846 5030B										
Blank (B122062-BLK1)										
Prepared: 05/19/15 Analyzed: 05/20/15										
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	20.3		µg/L	25.0		81.1	70-130			
Surrogate: Toluene-d8	23.6		µg/L	25.0		94.3	70-130			
Surrogate: 4-Bromofluorobenzene	23.8		µg/L	25.0		95.4	70-130			
LCS (B122062-BS1)										
Prepared & Analyzed: 05/19/15										
Acetone	111	5.0	µg/L	100		111	70-130			
Acrylonitrile	10.1	2.0	µg/L	10.0		101	70-130			
Benzene	9.95	0.50	µg/L	10.0		99.5	70-130			
Bromobenzene	10.2	0.50	µg/L	10.0		102	70-130			
Bromodichloromethane	10.6	0.50	µg/L	10.0		106	70-130			
Bromoform	8.53	0.50	µg/L	10.0		85.3	70-130			
Bromomethane	7.68	1.0	µg/L	10.0		76.8	70-130			
2-Butanone (MEK)	88.5	5.0	µg/L	100		88.5	70-130			
n-Butylbenzene	8.92	1.0	µg/L	10.0		89.2	70-130			
sec-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130			
tert-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
Carbon Disulfide	94.6	5.0	µg/L	100		94.6	70-130			
Carbon Tetrachloride	9.51	0.50	µg/L	10.0		95.1	70-130			
Chlorobenzene	10.4	0.50	µg/L	10.0		104	70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0		107	70-130			
Chloroethane	10.4	0.50	µg/L	10.0		104	70-130			
Chloroform	8.70	0.50	µg/L	10.0		87.0	70-130			
Chloromethane	9.24	0.50	µg/L	10.0		92.4	70-130			
2-Chlorotoluene	10.7	0.50	µg/L	10.0		107	70-130			
4-Chlorotoluene	10.6	0.50	µg/L	10.0		106	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.38	0.50	µg/L	10.0		93.8	70-130			V-05
1,2-Dibromoethane (EDB)	9.80	0.50	µg/L	10.0		98.0	70-130			
Dibromomethane	10.9	0.50	µg/L	10.0		109	70-130			
1,2-Dichlorobenzene	10.8	0.50	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	10.6	0.50	µg/L	10.0		106	70-130			
1,4-Dichlorobenzene	10.1	0.50	µg/L	10.0		101	70-130			
trans-1,4-Dichloro-2-butene	8.74	2.0	µg/L	10.0		87.4	70-130			
Dichlorodifluoromethane (Freon 12)	6.65	0.50	µg/L	10.0		66.5 *	70-130			L-03
1,1-Dichloroethane	9.60	0.50	µg/L	10.0		96.0	70-130			
1,2-Dichloroethane	10.3	0.50	µg/L	10.0		103	70-130			
1,1-Dichloroethylene	11.5	0.50	µg/L	10.0		115	70-130			
cis-1,2-Dichloroethylene	9.33	0.50	µg/L	10.0		93.3	70-130			
trans-1,2-Dichloroethylene	11.7	1.0	µg/L	10.0		117	70-130			
1,2-Dichloropropane	11.7	0.50	µg/L	10.0		117	70-130			
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106	70-130			
2,2-Dichloropropane	7.12	0.50	µg/L	10.0		71.2	70-130			V-05
1,1-Dichloropropene	9.90	0.50	µg/L	10.0		99.0	70-130			
cis-1,3-Dichloropropene	9.63	0.50	µg/L	10.0		96.3	70-130			
trans-1,3-Dichloropropene	9.37	0.50	µg/L	10.0		93.7	70-130			
Ethylbenzene	11.0	0.50	µg/L	10.0		110	70-130			
Hexachlorobutadiene	9.77	2.0	µg/L	10.0		97.7	70-130			
2-Hexanone (MBK)	116	5.0	µg/L	100		116	70-130			
Isopropylbenzene (Cumene)	11.7	0.50	µg/L	10.0		117	70-130			
p-Isopropyltoluene (p-Cymene)	11.4	0.50	µg/L	10.0		114	70-130			
Methyl tert-Butyl Ether (MTBE)	10.7	0.50	µg/L	10.0		107	70-130			
Methylene Chloride	12.4	5.0	µg/L	10.0		124	70-130			

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

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 B122062 - SW-846 5030B										
LCS (B122062-BS1)										
Prepared & Analyzed: 05/19/15										
4-Methyl-2-pentanone (MIBK)	118	5.0	µg/L	100		118	70-130			
Naphthalene	7.21	2.0	µg/L	10.0		72.1	70-130			V-05
n-Propylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Styrene	11.0	1.0	µg/L	10.0		110	70-130			
1,1,1,2-Tetrachloroethane	10.8	0.50	µg/L	10.0		108	70-130			
1,1,2,2-Tetrachloroethane	9.06	0.50	µg/L	10.0		90.6	70-130			
Tetrachloroethylene	11.9	1.0	µg/L	10.0		119	70-130			
Tetrahydrofuran	9.04	10	µg/L	10.0		90.4	70-130			V-05, V-16
Toluene	10.8	1.0	µg/L	10.0		108	70-130			
1,2,3-Trichlorobenzene	8.41	0.50	µg/L	10.0		84.1	70-130			
1,2,4-Trichlorobenzene	10.7	5.0	µg/L	10.0		107	70-130			
1,1,1-Trichloroethane	8.72	0.50	µg/L	10.0		87.2	70-130			
1,1,2-Trichloroethane	9.64	0.50	µg/L	10.0		96.4	70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130			
Trichlorofluoromethane (Freon 11)	10.8	2.0	µg/L	10.0		108	70-130			
1,2,3-Trichloropropane	8.92	0.50	µg/L	10.0		89.2	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	0.50	µg/L	10.0		112	70-130			
1,2,4-Trimethylbenzene	10.6	0.50	µg/L	10.0		106	70-130			
1,3,5-Trimethylbenzene	11.0	0.50	µg/L	10.0		110	70-130			
Vinyl Chloride	9.03	1.0	µg/L	10.0		90.3	70-130			
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	20.4		µg/L	25.0		81.6	70-130			
Surrogate: Toluene-d8	23.9		µg/L	25.0		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		µg/L	25.0		97.2	70-130			

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 B121495 - SW-846 3510C

Blank (B121495-BLK1)

Prepared: 05/12/15 Analyzed: 05/13/15

Acenaphthene (low)	ND	0.30	µg/L							
Acenaphthylene (low)	ND	0.30	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene (low)	ND	0.20	µg/L							
Benzo(a)anthracene (low)	ND	0.050	µg/L							
Benzo(a)pyrene (low)	ND	0.10	µg/L							
Benzo(b)fluoranthene (low)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (low)	ND	0.50	µg/L							
Benzo(k)fluoranthene (low)	ND	0.20	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene (low)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (low)	ND	0.20	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene (low)	ND	0.50	µg/L							
Fluorene (low)	ND	1.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene (low)	ND	0.20	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene (low)	ND	1.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene (low)	ND	1.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							

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 B121495 - SW-846 3510C

Blank (B121495-BLK1)

Prepared: 05/12/15 Analyzed: 05/13/15

4-Nitrophenol	ND	10	µg/L							
N-Nitrosodiphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							V-16
Pentachlorophenol	ND	10	µg/L							
Phenanthrene (low)	ND	0.050	µg/L							
Phenol	ND	10	µg/L							
Pyrene (low)	ND	1.0	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	85.8		µg/L	200		42.9	15-110			
Surrogate: Phenol-d6	59.5		µg/L	200		29.8	15-110			
Surrogate: Nitrobenzene-d5	90.4		µg/L	100		90.4	30-130			
Surrogate: Nitrobenzene-d5 (low)	49.1		µg/L	100		49.1	30-130			
Surrogate: 2-Fluorobiphenyl	90.3		µg/L	100		90.3	30-130			
Surrogate: 2-Fluorobiphenyl (low)	48.9		µg/L	100		48.9	30-130			
Surrogate: 2,4,6-Tribromophenol	195		µg/L	200		97.4	15-110			
Surrogate: p-Terphenyl-d14	102		µg/L	100		102	30-130			
Surrogate: p-Terphenyl-d14 (low)	45.8		µg/L	100		45.8	30-130			

LCS (B121495-BS1)

Prepared: 05/12/15 Analyzed: 05/13/15

Acenaphthene (low)	89.8	7.5	µg/L	100		89.8	40-140			
Acenaphthylene (low)	92.6	7.5	µg/L	100		92.6	40-140			
Aniline	79.4	5.0	µg/L	100		79.4	40-140			†
Anthracene (low)	92.7	5.0	µg/L	100		92.7	40-140			
Benzo(a)anthracene (low)	95.1	1.2	µg/L	100		95.1	40-140			
Benzo(a)pyrene (low)	96.5	2.5	µg/L	100		96.5	40-140			
Benzo(b)fluoranthene (low)	94.4	1.2	µg/L	100		94.4	40-140			
Benzo(g,h,i)perylene (low)	97.6	12	µg/L	100		97.6	40-140			
Benzo(k)fluoranthene (low)	90.4	5.0	µg/L	100		90.4	40-140			
Bis(2-chloroethoxy)methane	96.0	10	µg/L	100		96.0	40-140			
Bis(2-chloroethyl)ether	98.2	10	µg/L	100		98.2	40-140			
Bis(2-chloroisopropyl)ether	88.6	10	µg/L	100		88.6	40-140			
Bis(2-Ethylhexyl)phthalate	100	10	µg/L	100		100	40-140			
4-Bromophenylphenylether	96.0	10	µg/L	100		96.0	40-140			
Butylbenzylphthalate	109	10	µg/L	100		109	40-140			
Carbazole	97.6	10	µg/L	100		97.6	40-140			
4-Chloroaniline	92.4	10	µg/L	100		92.4	40-140			†
4-Chloro-3-methylphenol	99.3	10	µg/L	100		99.3	30-130			
2-Chloronaphthalene	84.1	10	µg/L	100		84.1	40-140			
2-Chlorophenol	82.4	10	µg/L	100		82.4	30-130			
4-Chlorophenylphenylether	102	10	µg/L	100		102	40-140			
Chrysene (low)	92.7	5.0	µg/L	100		92.7	40-140			
Dibenz(a,h)anthracene (low)	105	5.0	µg/L	100		105	40-140			
Dibenzofuran	102	5.0	µg/L	100		102	40-140			
Di-n-butylphthalate	104	10	µg/L	100		104	40-140			
3,3-Dichlorobenzidine	117	10	µg/L	100		117	40-140			†
2,4-Dichlorophenol	94.6	10	µg/L	100		94.6	30-130			
Diethylphthalate	102	10	µg/L	100		102	40-140			

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 B121495 - SW-846 3510C										
LCS (B121495-BS1)										
					Prepared: 05/12/15 Analyzed: 05/13/15					
2,4-Dimethylphenol	91.4	10	µg/L	100		91.4	30-130			
Dimethylphthalate	99.4	10	µg/L	100		99.4	40-140			
4,6-Dinitro-2-methylphenol	85.4	10	µg/L	100		85.4	30-130			
2,4-Dinitrophenol	83.1	10	µg/L	100		83.1	30-130			
2,4-Dinitrotoluene	109	10	µg/L	100		109	40-140			
2,6-Dinitrotoluene	104	10	µg/L	100		104	40-140			
Di-n-octylphthalate	98.5	10	µg/L	100		98.5	40-140			
Fluoranthene (low)	92.9	12	µg/L	100		92.9	40-140			
Fluorene (low)	94.3	25	µg/L	100		94.3	40-140			
Hexachlorobenzene	96.0	10	µg/L	100		96.0	40-140			
Hexachlorobutadiene	99.5	10	µg/L	100		99.5	40-140			
Hexachlorocyclopentadiene	70.1	10	µg/L	100		70.1	30-140			
Hexachloroethane	94.4	10	µg/L	100		94.4	40-140			
Indeno(1,2,3-cd)pyrene (low)	102	5.0	µg/L	100		102	40-140			
Isophorone	106	10	µg/L	100		106	40-140			
2-Methylnaphthalene (low)	91.3	25	µg/L	100		91.3	40-140			
2-Methylphenol	70.7	10	µg/L	100		70.7	30-130			
3/4-Methylphenol	69.0	10	µg/L	100		69.0	30-130			
Naphthalene (low)	88.0	25	µg/L	100		88.0	40-140			
2-Nitroaniline	102	10	µg/L	100		102	40-140			
3-Nitroaniline	88.1	10	µg/L	100		88.1	40-140			†
4-Nitroaniline	90.1	10	µg/L	100		90.1	40-140			
Nitrobenzene	98.6	10	µg/L	100		98.6	40-140			
2-Nitrophenol	89.7	10	µg/L	100		89.7	30-130			
4-Nitrophenol	64.6	10	µg/L	100		64.6	10-130			
N-Nitrosodiphenylamine	123	10	µg/L	100		123	40-140			
N-Nitrosodi-n-propylamine	101	10	µg/L	100		101	40-140			
Pentachloronitrobenzene	100	10	µg/L	100		100	40-140			V-16
Pentachlorophenol	77.3	10	µg/L	100		77.3	30-130			
Phenanthrene (low)	89.2	1.2	µg/L	100		89.2	40-140			
Phenol	35.4	10	µg/L	100		35.4	20-130			
Pyrene (low)	90.7	25	µg/L	100		90.7	40-140			
Pyridine	39.1	5.0	µg/L	100		39.1	10-140			†
1,2,4,5-Tetrachlorobenzene	94.5	10	µg/L	100		94.5	40-140			
1,2,4-Trichlorobenzene	93.3	5.0	µg/L	100		93.3	40-140			
2,4,5-Trichlorophenol	92.6	10	µg/L	100		92.6	30-130			
2,4,6-Trichlorophenol	93.2	10	µg/L	100		93.2	30-130			
Surrogate: 2-Fluorophenol	87.5		µg/L	200		43.8	15-110			
Surrogate: Phenol-d6	59.5		µg/L	200		29.7	15-110			
Surrogate: Nitrobenzene-d5	95.3		µg/L	100		95.3	30-130			
Surrogate: Nitrobenzene-d5 (low)	65.6		µg/L	100		65.6	30-130			
Surrogate: 2-Fluorobiphenyl	94.6		µg/L	100		94.6	30-130			
Surrogate: 2-Fluorobiphenyl (low)	69.6		µg/L	100		69.6	30-130			
Surrogate: 2,4,6-Tribromophenol	216		µg/L	200		108	15-110			
Surrogate: p-Terphenyl-d14	98.0		µg/L	100		98.0	30-130			
Surrogate: p-Terphenyl-d14 (low)	50.2		µg/L	100		50.2	30-130			

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

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 B121495 - SW-846 3510C

LCS Dup (B121495-BSD1)

Prepared: 05/12/15 Analyzed: 05/13/15

Acenaphthene (low)	83.6	7.5	µg/L	100		83.6	40-140	7.21	20	
Acenaphthylene (low)	85.5	7.5	µg/L	100		85.5	40-140	7.95	20	
Aniline	67.0	5.0	µg/L	100		67.0	40-140	16.9	50	† ‡
Anthracene (low)	87.9	5.0	µg/L	100		87.9	40-140	5.29	20	
Benzo(a)anthracene (low)	90.4	1.2	µg/L	100		90.4	40-140	4.99	20	
Benzo(a)pyrene (low)	91.4	2.5	µg/L	100		91.4	40-140	5.40	20	
Benzo(b)fluoranthene (low)	89.3	1.2	µg/L	100		89.3	40-140	5.55	20	
Benzo(g,h,i)perylene (low)	92.5	12	µg/L	100		92.5	40-140	5.34	20	
Benzo(k)fluoranthene (low)	86.0	5.0	µg/L	100		86.0	40-140	5.10	20	
Bis(2-chloroethoxy)methane	82.8	10	µg/L	100		82.8	40-140	14.8	20	
Bis(2-chloroethyl)ether	84.2	10	µg/L	100		84.2	40-140	15.3	20	
Bis(2-chloroisopropyl)ether	75.5	10	µg/L	100		75.5	40-140	16.0	20	
Bis(2-Ethylhexyl)phthalate	91.9	10	µg/L	100		91.9	40-140	8.63	20	
4-Bromophenylphenylether	88.3	10	µg/L	100		88.3	40-140	8.39	20	
Butylbenzylphthalate	96.9	10	µg/L	100		96.9	40-140	11.7	20	
Carbazole	88.3	10	µg/L	100		88.3	40-140	10.1	20	
4-Chloroaniline	79.9	10	µg/L	100		79.9	40-140	14.5	20	†
4-Chloro-3-methylphenol	89.2	10	µg/L	100		89.2	30-130	10.7	20	
2-Chloronaphthalene	75.4	10	µg/L	100		75.4	40-140	11.0	20	
2-Chlorophenol	71.8	10	µg/L	100		71.8	30-130	13.8	20	
4-Chlorophenylphenylether	93.1	10	µg/L	100		93.1	40-140	8.97	20	
Chrysene (low)	88.4	5.0	µg/L	100		88.4	40-140	4.69	20	
Dibenz(a,h)anthracene (low)	98.8	5.0	µg/L	100		98.8	40-140	5.75	20	
Dibenzofuran	91.2	5.0	µg/L	100		91.2	40-140	11.3	20	
Di-n-butylphthalate	93.6	10	µg/L	100		93.6	40-140	10.3	20	
3,3-Dichlorobenzidine	110	10	µg/L	100		110	40-140	6.30	20	† ‡
2,4-Dichlorophenol	83.8	10	µg/L	100		83.8	30-130	12.1	20	
Diethylphthalate	93.8	10	µg/L	100		93.8	40-140	8.53	20	
2,4-Dimethylphenol	80.0	10	µg/L	100		80.0	30-130	13.3	20	
Dimethylphthalate	90.6	10	µg/L	100		90.6	40-140	9.30	50	
4,6-Dinitro-2-methylphenol	77.8	10	µg/L	100		77.8	30-130	9.22	50	
2,4-Dinitrophenol	76.7	10	µg/L	100		76.7	30-130	8.04	50	
2,4-Dinitrotoluene	99.1	10	µg/L	100		99.1	40-140	9.68	20	
2,6-Dinitrotoluene	94.5	10	µg/L	100		94.5	40-140	9.81	20	
Di-n-octylphthalate	88.7	10	µg/L	100		88.7	40-140	10.4	20	
Fluoranthene (low)	88.0	12	µg/L	100		88.0	40-140	5.47	20	
Fluorene (low)	88.7	25	µg/L	100		88.7	40-140	6.09	20	
Hexachlorobenzene	87.6	10	µg/L	100		87.6	40-140	9.22	20	
Hexachlorobutadiene	87.0	10	µg/L	100		87.0	40-140	13.4	20	
Hexachlorocyclopentadiene	62.1	10	µg/L	100		62.1	30-140	12.1	50	
Hexachloroethane	80.8	10	µg/L	100		80.8	40-140	15.5	50	
Indeno(1,2,3-cd)pyrene (low)	96.3	5.0	µg/L	100		96.3	40-140	5.94	20	
Isophorone	92.8	10	µg/L	100		92.8	40-140	12.8	20	
2-Methylnaphthalene (low)	83.4	25	µg/L	100		83.4	40-140	8.96	20	
2-Methylphenol	63.1	10	µg/L	100		63.1	30-130	11.3	20	
3/4-Methylphenol	60.6	10	µg/L	100		60.6	30-130	13.0	20	
Naphthalene (low)	79.3	25	µg/L	100		79.3	40-140	10.3	20	
2-Nitroaniline	90.8	10	µg/L	100		90.8	40-140	11.3	20	
3-Nitroaniline	78.8	10	µg/L	100		78.8	40-140	11.2	20	†
4-Nitroaniline	81.8	10	µg/L	100		81.8	40-140	9.75	20	
Nitrobenzene	85.0	10	µg/L	100		85.0	40-140	14.9	20	
2-Nitrophenol	78.4	10	µg/L	100		78.4	30-130	13.4	20	

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

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 B121495 - SW-846 3510C

LCS Dup (B121495-BSD1)

Prepared: 05/12/15 Analyzed: 05/13/15

4-Nitrophenol	56.1	10	µg/L	100	56.1	56.1	10-130	14.1	50	‡
N-Nitrosodiphenylamine	111	10	µg/L	100	111	111	40-140	10.1	20	
N-Nitrosodi-n-propylamine	87.8	10	µg/L	100	87.8	87.8	40-140	14.0	20	
Pentachloronitrobenzene	92.6	10	µg/L	100	92.6	92.6	40-140	7.70	20	V-16
Pentachlorophenol	66.8	10	µg/L	100	66.8	66.8	30-130	14.5	50	
Phenanthrene (low)	84.6	1.2	µg/L	100	84.6	84.6	40-140	5.29	20	
Phenol	30.8	10	µg/L	100	30.8	30.8	20-130	13.9	20	
Pyrene (low)	86.8	25	µg/L	100	86.8	86.8	40-140	4.37	20	
Pyridine	30.1	5.0	µg/L	100	30.1	30.1	10-140	26.0	50	†
1,2,4,5-Tetrachlorobenzene	83.7	10	µg/L	100	83.7	83.7	40-140	12.1	20	
1,2,4-Trichlorobenzene	80.4	5.0	µg/L	100	80.4	80.4	40-140	14.8	20	
2,4,5-Trichlorophenol	83.6	10	µg/L	100	83.6	83.6	30-130	10.2	20	
2,4,6-Trichlorophenol	85.5	10	µg/L	100	85.5	85.5	30-130	8.62	50	
Surrogate: 2-Fluorophenol	76.2		µg/L	200		38.1	15-110			
Surrogate: Phenol-d6	51.7		µg/L	200		25.8	15-110			
Surrogate: Nitrobenzene-d5	82.2		µg/L	100		82.2	30-130			
Surrogate: Nitrobenzene-d5 (low)	58.3		µg/L	100		58.3	30-130			
Surrogate: 2-Fluorobiphenyl	84.4		µg/L	100		84.4	30-130			
Surrogate: 2-Fluorobiphenyl (low)	62.1		µg/L	100		62.1	30-130			
Surrogate: 2,4,6-Tribromophenol	200		µg/L	200		100	15-110			
Surrogate: p-Terphenyl-d14	90.2		µg/L	100		90.2	30-130			
Surrogate: p-Terphenyl-d14 (low)	47.7		µg/L	100		47.7	30-130			

Batch B122149 - SW-846 3546

Blank (B122149-BLK1)

Prepared: 05/20/15 Analyzed: 05/21/15

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							

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

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 B122149 - SW-846 3546										
Blank (B122149-BLK1)										
					Prepared: 05/20/15 Analyzed: 05/21/15					
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							
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	4.21		mg/Kg wet	6.67		63.1	30-130			
Surrogate: Phenol-d6	4.45		mg/Kg wet	6.67		66.7	30-130			
Surrogate: Nitrobenzene-d5	2.29		mg/Kg wet	3.33		68.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.28		mg/Kg wet	3.33		68.4	30-130			
Surrogate: 2,4,6-Tribromophenol	4.72		mg/Kg wet	6.67		70.8	30-130			
Surrogate: p-Terphenyl-d14	2.77		mg/Kg wet	3.33		83.0	30-130			

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

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 B122149 - SW-846 3546										
LCS (B122149-BS1)										
					Prepared: 05/20/15 Analyzed: 05/21/15					
Acenaphthene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140			
Acenaphthylene	1.35	0.17	mg/Kg wet	1.67		81.0	40-140			
Aniline	0.639	0.34	mg/Kg wet	1.67		38.4	* 40-140			L-07 †
Anthracene	1.36	0.17	mg/Kg wet	1.67		81.8	40-140			
Benzo(a)anthracene	1.41	0.17	mg/Kg wet	1.67		84.7	40-140			
Benzo(a)pyrene	1.40	0.17	mg/Kg wet	1.67		84.2	40-140			
Benzo(b)fluoranthene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140			
Benzo(g,h,i)perylene	1.47	0.17	mg/Kg wet	1.67		88.2	40-140			
Benzo(k)fluoranthene	1.38	0.17	mg/Kg wet	1.67		82.7	40-140			
Bis(2-chloroethoxy)methane	1.38	0.34	mg/Kg wet	1.67		83.0	40-140			
Bis(2-chloroethyl)ether	1.33	0.34	mg/Kg wet	1.67		79.8	40-140			
Bis(2-chloroisopropyl)ether	1.22	0.34	mg/Kg wet	1.67		73.5	40-140			
Bis(2-Ethylhexyl)phthalate	1.54	0.34	mg/Kg wet	1.67		92.6	40-140			
4-Bromophenylphenylether	1.39	0.34	mg/Kg wet	1.67		83.6	40-140			
Butylbenzylphthalate	1.45	0.34	mg/Kg wet	1.67		87.2	40-140			
Carbazole	1.35	0.17	mg/Kg wet	1.67		80.8	40-140			
4-Chloroaniline	0.897	0.66	mg/Kg wet	1.67		53.8	40-140			†
4-Chloro-3-methylphenol	1.42	0.66	mg/Kg wet	1.67		84.9	30-130			
2-Chloronaphthalene	1.32	0.34	mg/Kg wet	1.67		79.2	40-140			
2-Chlorophenol	1.26	0.34	mg/Kg wet	1.67		75.5	30-130			
4-Chlorophenylphenylether	1.44	0.34	mg/Kg wet	1.67		86.4	40-140			
Chrysene	1.42	0.17	mg/Kg wet	1.67		85.5	40-140			
Dibenz(a,h)anthracene	1.44	0.17	mg/Kg wet	1.67		86.6	40-140			
Dibenzofuran	1.39	0.34	mg/Kg wet	1.67		83.5	40-140			
Di-n-butylphthalate	1.41	0.34	mg/Kg wet	1.67		84.7	40-140			
3,3-Dichlorobenzidine	1.03	0.17	mg/Kg wet	1.67		61.7	40-140			†
2,4-Dichlorophenol	1.31	0.34	mg/Kg wet	1.67		78.5	30-130			
Diethylphthalate	1.45	0.34	mg/Kg wet	1.67		87.0	40-140			
2,4-Dimethylphenol	1.36	0.34	mg/Kg wet	1.67		81.8	30-130			
Dimethylphthalate	1.45	0.34	mg/Kg wet	1.67		87.3	40-140			
4,6-Dinitro-2-methylphenol	0.916	0.34	mg/Kg wet	1.67		55.0	30-130			
2,4-Dinitrophenol	0.518	0.66	mg/Kg wet	1.67		31.1	30-130			
2,4-Dinitrotoluene	1.42	0.34	mg/Kg wet	1.67		85.4	40-140			
2,6-Dinitrotoluene	1.47	0.34	mg/Kg wet	1.67		88.0	40-140			
Di-n-octylphthalate	1.37	0.34	mg/Kg wet	1.67		82.2	40-140			
Fluoranthene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140			
Fluorene	1.41	0.17	mg/Kg wet	1.67		84.7	40-140			
Hexachlorobenzene	1.46	0.34	mg/Kg wet	1.67		87.6	40-140			
Hexachlorobutadiene	1.32	0.34	mg/Kg wet	1.67		79.2	40-140			
Hexachlorocyclopentadiene	1.15	0.34	mg/Kg wet	1.67		69.2	30-140			
Hexachloroethane	1.24	0.34	mg/Kg wet	1.67		74.3	40-140			
Indeno(1,2,3-cd)pyrene	1.41	0.17	mg/Kg wet	1.67		84.4	40-140			
Isophorone	1.45	0.34	mg/Kg wet	1.67		86.8	40-140			
2-Methylnaphthalene	1.32	0.17	mg/Kg wet	1.67		79.3	40-140			
2-Methylphenol	1.32	0.34	mg/Kg wet	1.67		79.0	30-130			
3/4-Methylphenol	1.32	0.34	mg/Kg wet	1.67		79.4	30-130			
Naphthalene	1.26	0.17	mg/Kg wet	1.67		75.3	40-140			
2-Nitroaniline	1.40	0.34	mg/Kg wet	1.67		84.0	40-140			
3-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		71.7	40-140			†
4-Nitroaniline	1.24	0.34	mg/Kg wet	1.67		74.7	40-140			
Nitrobenzene	1.39	0.34	mg/Kg wet	1.67		83.5	40-140			
2-Nitrophenol	1.28	0.34	mg/Kg wet	1.67		76.7	30-130			

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 B122149 - SW-846 3546

LCS (B122149-BS1)

Prepared: 05/20/15 Analyzed: 05/21/15

4-Nitrophenol	1.30	0.66	mg/Kg wet	1.67		77.9	10-130			
N-Nitrosodiphenylamine	1.81	0.34	mg/Kg wet	1.67		109	40-140			
N-Nitrosodi-n-propylamine	1.35	0.34	mg/Kg wet	1.67		81.0	40-140			
Pentachloronitrobenzene	1.38	0.34	mg/Kg wet	1.67		82.9	40-140			V-16
Pentachlorophenol	0.933	0.34	mg/Kg wet	1.67		56.0	30-130			
Phenanthrene	1.40	0.17	mg/Kg wet	1.67		84.2	40-140			
Phenol	1.21	0.34	mg/Kg wet	1.67		72.9	20-130			
Pyrene	1.48	0.17	mg/Kg wet	1.67		88.5	40-140			
Pyridine	0.877	0.34	mg/Kg wet	1.67		52.6	10-140			†
1,2,4,5-Tetrachlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.5	40-140			
1,2,4-Trichlorobenzene	1.30	0.34	mg/Kg wet	1.67		78.0	40-140			
2,4,5-Trichlorophenol	1.32	0.34	mg/Kg wet	1.67		79.0	30-130			
2,4,6-Trichlorophenol	1.35	0.34	mg/Kg wet	1.67		81.1	30-130			

Surrogate: 2-Fluorophenol	4.78		mg/Kg wet	6.67		71.8	30-130			
Surrogate: Phenol-d6	5.03		mg/Kg wet	6.67		75.4	30-130			
Surrogate: Nitrobenzene-d5	2.62		mg/Kg wet	3.33		78.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.67		mg/Kg wet	3.33		80.1	30-130			
Surrogate: 2,4,6-Tribromophenol	5.67		mg/Kg wet	6.67		85.0	30-130			
Surrogate: p-Terphenyl-d14	2.96		mg/Kg wet	3.33		88.9	30-130			

LCS Dup (B122149-BSD1)

Prepared: 05/20/15 Analyzed: 05/21/15

Acenaphthene	1.43	0.17	mg/Kg wet	1.67		85.8	40-140	7.92	30	
Acenaphthylene	1.46	0.17	mg/Kg wet	1.67		87.8	40-140	8.03	30	
Aniline	0.710	0.34	mg/Kg wet	1.67		42.6	40-140	10.5	50	† ‡
Anthracene	1.42	0.17	mg/Kg wet	1.67		85.3	40-140	4.26	30	
Benzo(a)anthracene	1.50	0.17	mg/Kg wet	1.67		89.8	40-140	5.87	30	
Benzo(a)pyrene	1.50	0.17	mg/Kg wet	1.67		90.0	40-140	6.59	30	
Benzo(b)fluoranthene	1.47	0.17	mg/Kg wet	1.67		87.9	40-140	8.51	30	
Benzo(g,h,i)perylene	1.57	0.17	mg/Kg wet	1.67		94.5	40-140	6.85	30	
Benzo(k)fluoranthene	1.48	0.17	mg/Kg wet	1.67		88.9	40-140	7.20	30	
Bis(2-chloroethoxy)methane	1.43	0.34	mg/Kg wet	1.67		85.7	40-140	3.13	30	
Bis(2-chloroethyl)ether	1.35	0.34	mg/Kg wet	1.67		80.8	40-140	1.32	30	
Bis(2-chloroisopropyl)ether	1.25	0.34	mg/Kg wet	1.67		74.9	40-140	1.83	30	
Bis(2-Ethylhexyl)phthalate	1.61	0.34	mg/Kg wet	1.67		96.8	40-140	4.41	30	
4-Bromophenylphenylether	1.56	0.34	mg/Kg wet	1.67		93.4	40-140	11.1	30	
Butylbenzylphthalate	1.54	0.34	mg/Kg wet	1.67		92.3	40-140	5.68	30	
Carbazole	1.38	0.17	mg/Kg wet	1.67		82.7	40-140	2.25	30	
4-Chloroaniline	0.969	0.66	mg/Kg wet	1.67		58.2	40-140	7.79	30	†
4-Chloro-3-methylphenol	1.53	0.66	mg/Kg wet	1.67		92.0	30-130	7.98	30	
2-Chloronaphthalene	1.24	0.34	mg/Kg wet	1.67		74.3	40-140	6.31	30	
2-Chlorophenol	1.29	0.34	mg/Kg wet	1.67		77.4	30-130	2.46	30	
4-Chlorophenylphenylether	1.55	0.34	mg/Kg wet	1.67		93.1	40-140	7.47	30	
Chrysene	1.51	0.17	mg/Kg wet	1.67		90.3	40-140	5.55	30	
Dibenz(a,h)anthracene	1.42	0.17	mg/Kg wet	1.67		85.0	40-140	1.86	30	
Dibenzofuran	1.48	0.34	mg/Kg wet	1.67		88.7	40-140	5.99	30	
Di-n-butylphthalate	1.47	0.34	mg/Kg wet	1.67		88.1	40-140	3.89	30	
3,3-Dichlorobenzidine	1.13	0.17	mg/Kg wet	1.67		67.6	40-140	9.03	30	† ‡
2,4-Dichlorophenol	1.43	0.34	mg/Kg wet	1.67		85.6	30-130	8.70	30	
Diethylphthalate	1.57	0.34	mg/Kg wet	1.67		94.1	40-140	7.84	30	
2,4-Dimethylphenol	1.50	0.34	mg/Kg wet	1.67		89.9	30-130	9.48	30	
Dimethylphthalate	1.56	0.34	mg/Kg wet	1.67		93.6	40-140	6.97	50	
4,6-Dinitro-2-methylphenol	0.824	0.34	mg/Kg wet	1.67		49.4	30-130	10.7	50	

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 B122149 - SW-846 3546										
LCS Dup (B122149-BSD1)										
					Prepared: 05/20/15 Analyzed: 05/21/15					
2,4-Dinitrophenol	0.462	0.66	mg/Kg wet	1.67		27.7 *	30-130	11.6	50	L-07
2,4-Dinitrotoluene	1.48	0.34	mg/Kg wet	1.67		89.0	40-140	4.08	30	
2,6-Dinitrotoluene	1.58	0.34	mg/Kg wet	1.67		94.8	40-140	7.44	30	
Di-n-octylphthalate	1.48	0.34	mg/Kg wet	1.67		88.6	40-140	7.52	30	
Fluoranthene	1.39	0.17	mg/Kg wet	1.67		83.5	40-140	5.26	30	
Fluorene	1.52	0.17	mg/Kg wet	1.67		91.1	40-140	7.26	30	
Hexachlorobenzene	1.51	0.34	mg/Kg wet	1.67		90.8	40-140	3.66	30	
Hexachlorobutadiene	1.38	0.34	mg/Kg wet	1.67		83.1	40-140	4.76	30	
Hexachlorocyclopentadiene	1.21	0.34	mg/Kg wet	1.67		72.5	30-140	4.66	50	
Hexachloroethane	1.30	0.34	mg/Kg wet	1.67		78.0	40-140	4.89	50	
Indeno(1,2,3-cd)pyrene	1.48	0.17	mg/Kg wet	1.67		88.7	40-140	4.97	50	
Isophorone	1.53	0.34	mg/Kg wet	1.67		91.5	40-140	5.36	30	
2-Methylnaphthalene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140	1.85	30	
2-Methylphenol	1.35	0.34	mg/Kg wet	1.67		81.1	30-130	2.67	30	
3/4-Methylphenol	1.39	0.34	mg/Kg wet	1.67		83.2	30-130	4.65	30	
Naphthalene	1.32	0.17	mg/Kg wet	1.67		79.2	40-140	5.05	30	
2-Nitroaniline	1.51	0.34	mg/Kg wet	1.67		90.6	40-140	7.63	30	
3-Nitroaniline	1.35	0.34	mg/Kg wet	1.67		80.9	40-140	12.1	30	†
4-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.5	40-140	7.50	30	
Nitrobenzene	1.42	0.34	mg/Kg wet	1.67		85.4	40-140	2.30	30	
2-Nitrophenol	1.34	0.34	mg/Kg wet	1.67		80.6	30-130	4.98	30	
4-Nitrophenol	1.41	0.66	mg/Kg wet	1.67		84.5	10-130	8.10	50	‡
N-Nitrosodiphenylamine	1.93	0.34	mg/Kg wet	1.67		116	40-140	6.15	30	
N-Nitrosodi-n-propylamine	1.38	0.34	mg/Kg wet	1.67		83.0	40-140	2.46	30	
Pentachloronitrobenzene	1.58	0.34	mg/Kg wet	1.67		94.7	40-140	13.3	30	V-16
Pentachlorophenol	0.996	0.34	mg/Kg wet	1.67		59.7	30-130	6.50	50	
Phenanthrene	1.48	0.17	mg/Kg wet	1.67		89.0	40-140	5.50	30	
Phenol	1.28	0.34	mg/Kg wet	1.67		76.7	20-130	5.19	30	
Pyrene	1.54	0.17	mg/Kg wet	1.67		92.6	40-140	4.50	30	
Pyridine	0.913	0.34	mg/Kg wet	1.67		54.8	10-140	3.99	50	†
1,2,4,5-Tetrachlorobenzene	1.45	0.34	mg/Kg wet	1.67		87.1	40-140	7.80	30	
1,2,4-Trichlorobenzene	1.35	0.34	mg/Kg wet	1.67		80.9	40-140	3.65	30	
2,4,5-Trichlorophenol	1.42	0.34	mg/Kg wet	1.67		84.9	30-130	7.15	30	
2,4,6-Trichlorophenol	1.41	0.34	mg/Kg wet	1.67		84.4	30-130	3.91	50	
Surrogate: 2-Fluorophenol	4.88		mg/Kg wet	6.67		73.2	30-130			
Surrogate: Phenol-d6	5.26		mg/Kg wet	6.67		78.9	30-130			
Surrogate: Nitrobenzene-d5	2.74		mg/Kg wet	3.33		82.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.83		mg/Kg wet	3.33		85.0	30-130			
Surrogate: 2,4,6-Tribromophenol	5.89		mg/Kg wet	6.67		88.4	30-130			
Surrogate: p-Terphenyl-d14	3.10		mg/Kg wet	3.33		93.0	30-130			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121600 - SW-846 3510C										
Blank (B121600-BLK1)										
Prepared: 05/13/15 Analyzed: 05/15/15										
alpha-Chlordane	ND	0.050	µg/L							
alpha-Chlordane [2C]	ND	0.050	µg/L							
gamma-Chlordane	ND	0.050	µg/L							
gamma-Chlordane [2C]	ND	0.050	µg/L							
Alachlor	ND	0.20	µg/L							
Alachlor [2C]	ND	0.20	µg/L							V-20
Aldrin	ND	0.050	µg/L							
Aldrin [2C]	ND	0.050	µg/L							
alpha-BHC	ND	0.050	µg/L							
alpha-BHC [2C]	ND	0.050	µg/L							
beta-BHC	ND	0.050	µg/L							
beta-BHC [2C]	ND	0.050	µg/L							
delta-BHC	ND	0.050	µg/L							
delta-BHC [2C]	ND	0.050	µg/L							
gamma-BHC (Lindane)	ND	0.030	µg/L							
gamma-BHC (Lindane) [2C]	ND	0.030	µg/L							
Chlordane	ND	0.20	µg/L							
Chlordane [2C]	ND	0.20	µg/L							
4,4'-DDD	ND	0.040	µg/L							
4,4'-DDD [2C]	ND	0.040	µg/L							V-20
4,4'-DDE	ND	0.040	µg/L							
4,4'-DDE [2C]	ND	0.040	µg/L							V-20
4,4'-DDT	ND	0.040	µg/L							
4,4'-DDT [2C]	ND	0.040	µg/L							V-20
Dieldrin	ND	0.0020	µg/L							
Dieldrin [2C]	ND	0.0020	µg/L							
Endosulfan I	ND	0.050	µg/L							
Endosulfan I [2C]	ND	0.050	µg/L							
Endosulfan II	ND	0.080	µg/L							
Endosulfan II [2C]	ND	0.080	µg/L							
Endosulfan Sulfate	ND	0.080	µg/L							
Endosulfan Sulfate [2C]	ND	0.080	µg/L							
Endrin	ND	0.080	µg/L							
Endrin [2C]	ND	0.080	µg/L							V-20
Endrin Aldehyde	ND	0.080	µg/L							
Endrin Aldehyde [2C]	ND	0.080	µg/L							
Endrin Ketone	ND	0.080	µg/L							
Endrin Ketone [2C]	ND	0.080	µg/L							
Heptachlor	ND	0.050	µg/L							
Heptachlor [2C]	ND	0.050	µg/L							
Heptachlor Epoxide	ND	0.050	µg/L							
Heptachlor Epoxide [2C]	ND	0.050	µg/L							
Hexachlorobenzene	ND	0.050	µg/L							
Hexachlorobenzene [2C]	ND	0.050	µg/L							
Methoxychlor	ND	0.50	µg/L							
Methoxychlor [2C]	ND	0.50	µg/L							
Toxaphene	ND	1.0	µg/L							
Toxaphene [2C]	ND	1.0	µg/L							
Surrogate: Decachlorobiphenyl	1.49		µg/L	2.00		74.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.71		µg/L	2.00		85.3	30-150			
Surrogate: Tetrachloro-m-xylene	1.58		µg/L	2.00		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.69		µg/L	2.00		84.5	30-150			

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

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121600 - SW-846 3510C										
LCS (B121600-BS1)										
Prepared: 05/13/15 Analyzed: 05/15/15										
Alachlor	0.94	0.20	µg/L	1.00		94.2	40-140			
Alachlor [2C]	0.97	0.20	µg/L	1.00		97.5	40-140			
Aldrin	0.93	0.050	µg/L	1.00		93.3	40-140			
Aldrin [2C]	1.0	0.050	µg/L	1.00		104	40-140			
alpha-BHC	0.88	0.050	µg/L	1.00		88.4	40-140			
alpha-BHC [2C]	0.94	0.050	µg/L	1.00		94.3	40-140			
beta-BHC	0.89	0.050	µg/L	1.00		89.1	40-140			
beta-BHC [2C]	0.94	0.050	µg/L	1.00		93.5	40-140			
delta-BHC	0.94	0.050	µg/L	1.00		93.7	40-140			
delta-BHC [2C]	0.96	0.050	µg/L	1.00		96.2	40-140			
gamma-BHC (Lindane)	0.93	0.030	µg/L	1.00		93.4	40-140			
gamma-BHC (Lindane) [2C]	1.0	0.030	µg/L	1.00		100	40-140			
4,4'-DDD	1.0	0.040	µg/L	1.00		101	40-140			
4,4'-DDD [2C]	1.1	0.040	µg/L	1.00		111	40-140			V-06
4,4'-DDE	0.97	0.040	µg/L	1.00		97.4	40-140			
4,4'-DDE [2C]	1.1	0.040	µg/L	1.00		111	40-140			V-06
4,4'-DDT	1.1	0.040	µg/L	1.00		110	40-140			
4,4'-DDT [2C]	1.1	0.040	µg/L	1.00		113	40-140			V-06
Dieldrin	0.94	0.0020	µg/L	1.00		94.0	40-140			
Dieldrin [2C]	1.1	0.0020	µg/L	1.00		108	40-140			
Endosulfan I	0.96	0.050	µg/L	1.00		95.6	40-140			
Endosulfan I [2C]	1.1	0.050	µg/L	1.00		107	40-140			
Endosulfan II	0.97	0.080	µg/L	1.00		97.3	40-140			
Endosulfan II [2C]	1.1	0.080	µg/L	1.00		110	40-140			
Endosulfan Sulfate	0.98	0.080	µg/L	1.00		97.5	40-140			
Endosulfan Sulfate [2C]	1.1	0.080	µg/L	1.00		111	40-140			
Endrin	1.1	0.080	µg/L	1.00		106	40-140			
Endrin [2C]	1.1	0.080	µg/L	1.00		114	40-140			V-06
Endrin Aldehyde	0.93	0.080	µg/L	1.00		92.9	40-140			
Endrin Aldehyde [2C]	1.1	0.080	µg/L	1.00		106	40-140			
Endrin Ketone	0.95	0.080	µg/L	1.00		95.0	40-140			
Endrin Ketone [2C]	1.0	0.080	µg/L	1.00		101	40-140			
Heptachlor	0.96	0.050	µg/L	1.00		95.8	40-140			
Heptachlor [2C]	1.0	0.050	µg/L	1.00		102	40-140			
Heptachlor Epoxide	0.95	0.050	µg/L	1.00		94.6	40-140			
Heptachlor Epoxide [2C]	1.1	0.050	µg/L	1.00		106	40-140			
Hexachlorobenzene	0.92	0.050	µg/L	1.00		91.5	40-140			
Hexachlorobenzene [2C]	0.97	0.050	µg/L	1.00		97.2	40-140			
Methoxychlor	1.1	0.50	µg/L	1.00		107	40-140			
Methoxychlor [2C]	1.2	0.50	µg/L	1.00		122	40-140			
Surrogate: Decachlorobiphenyl	1.48		µg/L	2.00		74.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.74		µg/L	2.00		86.8	30-150			
Surrogate: Tetrachloro-m-xylene	1.63		µg/L	2.00		81.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.76		µg/L	2.00		87.9	30-150			

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

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121600 - SW-846 3510C										
LCS Dup (B121600-BSD1)										
					Prepared: 05/13/15 Analyzed: 05/15/15					
Alachlor	0.89	0.20	µg/L	1.00		89.1	40-140	5.61	20	
Alachlor [2C]	1.0	0.20	µg/L	1.00		100	40-140	2.57	20	
Aldrin	0.89	0.050	µg/L	1.00		89.3	40-140	4.29	20	
Aldrin [2C]	1.0	0.050	µg/L	1.00		101	40-140	2.58	20	
alpha-BHC	0.87	0.050	µg/L	1.00		86.8	40-140	1.80	20	
alpha-BHC [2C]	0.95	0.050	µg/L	1.00		95.0	40-140	0.810	20	
beta-BHC	0.86	0.050	µg/L	1.00		85.9	40-140	3.61	20	
beta-BHC [2C]	0.94	0.050	µg/L	1.00		93.7	40-140	0.123	20	
delta-BHC	0.90	0.050	µg/L	1.00		90.0	40-140	4.09	20	
delta-BHC [2C]	0.96	0.050	µg/L	1.00		95.6	40-140	0.563	20	
gamma-BHC (Lindane)	0.91	0.030	µg/L	1.00		90.6	40-140	3.13	20	
gamma-BHC (Lindane) [2C]	1.0	0.030	µg/L	1.00		99.8	40-140	0.289	20	
4,4'-DDD	0.97	0.040	µg/L	1.00		96.6	40-140	4.27	20	
4,4'-DDD [2C]	1.1	0.040	µg/L	1.00		109	40-140	2.06	20	V-06
4,4'-DDE	0.93	0.040	µg/L	1.00		93.3	40-140	4.30	20	
4,4'-DDE [2C]	1.1	0.040	µg/L	1.00		107	40-140	4.18	20	V-06
4,4'-DDT	1.0	0.040	µg/L	1.00		104	40-140	5.02	20	
4,4'-DDT [2C]	1.1	0.040	µg/L	1.00		109	40-140	3.25	20	V-06
Dieldrin	0.89	0.0020	µg/L	1.00		88.8	40-140	5.62	20	
Dieldrin [2C]	1.0	0.0020	µg/L	1.00		104	40-140	3.92	20	
Endosulfan I	0.90	0.050	µg/L	1.00		90.3	40-140	5.69	20	
Endosulfan I [2C]	1.0	0.050	µg/L	1.00		103	40-140	4.21	20	
Endosulfan II	0.91	0.080	µg/L	1.00		91.4	40-140	6.21	20	
Endosulfan II [2C]	1.0	0.080	µg/L	1.00		105	40-140	4.68	20	
Endosulfan Sulfate	0.92	0.080	µg/L	1.00		92.3	40-140	5.48	20	
Endosulfan Sulfate [2C]	1.0	0.080	µg/L	1.00		105	40-140	5.56	20	
Endrin	0.99	0.080	µg/L	1.00		99.0	40-140	6.96	20	
Endrin [2C]	1.1	0.080	µg/L	1.00		107	40-140	6.30	20	V-06
Endrin Aldehyde	0.90	0.080	µg/L	1.00		90.1	40-140	3.04	20	
Endrin Aldehyde [2C]	1.0	0.080	µg/L	1.00		103	40-140	2.56	20	
Endrin Ketone	0.90	0.080	µg/L	1.00		89.9	40-140	5.61	20	
Endrin Ketone [2C]	1.0	0.080	µg/L	1.00		102	40-140	0.411	20	
Heptachlor	0.92	0.050	µg/L	1.00		91.9	40-140	4.14	20	
Heptachlor [2C]	1.0	0.050	µg/L	1.00		99.6	40-140	1.96	20	
Heptachlor Epoxide	0.90	0.050	µg/L	1.00		89.9	40-140	5.13	20	
Heptachlor Epoxide [2C]	1.0	0.050	µg/L	1.00		102	40-140	3.61	20	
Hexachlorobenzene	0.88	0.050	µg/L	1.00		87.8	40-140	4.16	20	
Hexachlorobenzene [2C]	0.94	0.050	µg/L	1.00		94.5	40-140	2.81	20	
Methoxychlor	1.0	0.50	µg/L	1.00		103	40-140	3.77	20	
Methoxychlor [2C]	1.1	0.50	µg/L	1.00		115	40-140	6.24	20	
Surrogate: Decachlorobiphenyl	1.56		µg/L	2.00		78.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.82		µg/L	2.00		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	1.59		µg/L	2.00		79.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.75		µg/L	2.00		87.3	30-150			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B122145 - SW-846 3546

Blank (B122145-BLK1)

Prepared: 05/20/15 Analyzed: 05/21/15

alpha-Chlordane	ND	0.0050	mg/Kg wet							
alpha-Chlordane [2C]	ND	0.0050	mg/Kg wet							
gamma-Chlordane	ND	0.0050	mg/Kg wet							
gamma-Chlordane [2C]	ND	0.0050	mg/Kg wet							
Alachlor	ND	0.020	mg/Kg wet							
Alachlor [2C]	ND	0.020	mg/Kg wet							
Aldrin	ND	0.0050	mg/Kg wet							
Aldrin [2C]	ND	0.0050	mg/Kg wet							
alpha-BHC	ND	0.0050	mg/Kg wet							
alpha-BHC [2C]	ND	0.0050	mg/Kg wet							
beta-BHC	ND	0.0050	mg/Kg wet							
beta-BHC [2C]	ND	0.0050	mg/Kg wet							
delta-BHC	ND	0.0050	mg/Kg wet							
delta-BHC [2C]	ND	0.0050	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0020	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0020	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0040	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDE	ND	0.0040	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDT	ND	0.0040	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0040	mg/Kg wet							V-20
Dieldrin	ND	0.0040	mg/Kg wet							
Dieldrin [2C]	ND	0.0040	mg/Kg wet							
Endosulfan I	ND	0.0050	mg/Kg wet							
Endosulfan I [2C]	ND	0.0050	mg/Kg wet							
Endosulfan II	ND	0.0080	mg/Kg wet							
Endosulfan II [2C]	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet							
Endrin	ND	0.0080	mg/Kg wet							
Endrin [2C]	ND	0.0080	mg/Kg wet							
Endrin Aldehyde	ND	0.0080	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet							
Endrin Ketone	ND	0.0080	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet							
Heptachlor	ND	0.0050	mg/Kg wet							
Heptachlor [2C]	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet							
Hexachlorobenzene	ND	0.0060	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0060	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.10	mg/Kg wet							
Toxaphene [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.167		mg/Kg wet	0.200		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.161		mg/Kg wet	0.200		80.5	30-150			

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

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122145 - SW-846 3546										
LCS (B122145-BS1)										
				Prepared: 05/20/15 Analyzed: 05/21/15						
Alachlor	0.099	0.020	mg/Kg wet	0.100		99.2	40-140			
Alachlor [2C]	0.095	0.020	mg/Kg wet	0.100		95.4	40-140			
Aldrin	0.10	0.0050	mg/Kg wet	0.100		101	40-140			
Aldrin [2C]	0.095	0.0050	mg/Kg wet	0.100		94.7	40-140			
alpha-BHC	0.097	0.0050	mg/Kg wet	0.100		96.8	40-140			
alpha-BHC [2C]	0.092	0.0050	mg/Kg wet	0.100		92.4	40-140			
beta-BHC	0.094	0.0050	mg/Kg wet	0.100		93.8	40-140			
beta-BHC [2C]	0.088	0.0050	mg/Kg wet	0.100		88.0	40-140			
delta-BHC	0.099	0.0050	mg/Kg wet	0.100		98.5	40-140			
delta-BHC [2C]	0.092	0.0050	mg/Kg wet	0.100		91.9	40-140			
gamma-BHC (Lindane)	0.099	0.0020	mg/Kg wet	0.100		98.9	40-140			
gamma-BHC (Lindane) [2C]	0.093	0.0020	mg/Kg wet	0.100		93.4	40-140			
4,4'-DDD	0.10	0.0040	mg/Kg wet	0.100		105	40-140			
4,4'-DDD [2C]	0.099	0.0040	mg/Kg wet	0.100		99.1	40-140			
4,4'-DDE	0.10	0.0040	mg/Kg wet	0.100		105	40-140			
4,4'-DDE [2C]	0.097	0.0040	mg/Kg wet	0.100		97.2	40-140			
4,4'-DDT	0.11	0.0040	mg/Kg wet	0.100		109	40-140			V-06
4,4'-DDT [2C]	0.10	0.0040	mg/Kg wet	0.100		102	40-140			
Dieldrin	0.099	0.0040	mg/Kg wet	0.100		98.8	40-140			
Dieldrin [2C]	0.091	0.0040	mg/Kg wet	0.100		90.9	40-140			
Endosulfan I	0.098	0.0050	mg/Kg wet	0.100		97.5	40-140			
Endosulfan I [2C]	0.094	0.0050	mg/Kg wet	0.100		93.7	40-140			
Endosulfan II	0.10	0.0080	mg/Kg wet	0.100		100	40-140			
Endosulfan II [2C]	0.097	0.0080	mg/Kg wet	0.100		97.1	40-140			
Endosulfan Sulfate	0.10	0.0080	mg/Kg wet	0.100		102	40-140			
Endosulfan Sulfate [2C]	0.098	0.0080	mg/Kg wet	0.100		98.2	40-140			
Endrin	0.10	0.0080	mg/Kg wet	0.100		103	40-140			
Endrin [2C]	0.10	0.0080	mg/Kg wet	0.100		99.6	40-140			
Endrin Aldehyde	0.098	0.0080	mg/Kg wet	0.100		97.7	40-140			
Endrin Aldehyde [2C]	0.095	0.0080	mg/Kg wet	0.100		94.7	40-140			
Endrin Ketone	0.10	0.0080	mg/Kg wet	0.100		101	40-140			
Endrin Ketone [2C]	0.099	0.0080	mg/Kg wet	0.100		98.7	40-140			
Heptachlor	0.099	0.0050	mg/Kg wet	0.100		98.9	40-140			
Heptachlor [2C]	0.095	0.0050	mg/Kg wet	0.100		95.1	40-140			
Heptachlor Epoxide	0.10	0.0050	mg/Kg wet	0.100		99.9	40-140			
Heptachlor Epoxide [2C]	0.094	0.0050	mg/Kg wet	0.100		94.3	40-140			
Hexachlorobenzene	0.097	0.0060	mg/Kg wet	0.100		97.0	40-140			
Hexachlorobenzene [2C]	0.093	0.0060	mg/Kg wet	0.100		92.7	40-140			
Methoxychlor	0.11	0.050	mg/Kg wet	0.100		107	40-140			
Methoxychlor [2C]	0.11	0.050	mg/Kg wet	0.100		109	40-140			
Surrogate: Decachlorobiphenyl	0.184		mg/Kg wet	0.200		92.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.176		mg/Kg wet	0.200		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.183		mg/Kg wet	0.200		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.171		mg/Kg wet	0.200		85.6	30-150			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122145 - SW-846 3546										
LCS Dup (B122145-BSD1)										
					Prepared: 05/20/15 Analyzed: 05/21/15					
Alachlor	0.093	0.020	mg/Kg wet	0.100		92.9	40-140	6.59	30	
Alachlor [2C]	0.091	0.020	mg/Kg wet	0.100		90.7	40-140	5.02	30	
Aldrin	0.093	0.0050	mg/Kg wet	0.100		93.3	40-140	7.85	30	
Aldrin [2C]	0.089	0.0050	mg/Kg wet	0.100		88.8	40-140	6.50	30	
alpha-BHC	0.087	0.0050	mg/Kg wet	0.100		87.2	40-140	10.4	30	
alpha-BHC [2C]	0.086	0.0050	mg/Kg wet	0.100		86.3	40-140	6.87	30	
beta-BHC	0.088	0.0050	mg/Kg wet	0.100		88.0	40-140	6.46	30	
beta-BHC [2C]	0.085	0.0050	mg/Kg wet	0.100		85.5	40-140	2.97	30	
delta-BHC	0.093	0.0050	mg/Kg wet	0.100		92.9	40-140	5.89	30	
delta-BHC [2C]	0.089	0.0050	mg/Kg wet	0.100		89.4	40-140	2.66	30	
gamma-BHC (Lindane)	0.090	0.0020	mg/Kg wet	0.100		90.0	40-140	9.41	30	
gamma-BHC (Lindane) [2C]	0.088	0.0020	mg/Kg wet	0.100		87.7	40-140	6.27	30	
4,4'-DDD	0.099	0.0040	mg/Kg wet	0.100		98.7	40-140	5.93	30	
4,4'-DDD [2C]	0.096	0.0040	mg/Kg wet	0.100		95.7	40-140	3.52	30	
4,4'-DDE	0.099	0.0040	mg/Kg wet	0.100		98.9	40-140	5.74	30	
4,4'-DDE [2C]	0.094	0.0040	mg/Kg wet	0.100		93.8	40-140	3.63	30	
4,4'-DDT	0.10	0.0040	mg/Kg wet	0.100		103	40-140	5.76	30	V-06
4,4'-DDT [2C]	0.098	0.0040	mg/Kg wet	0.100		98.3	40-140	3.34	30	
Dieldrin	0.093	0.0040	mg/Kg wet	0.100		92.6	40-140	6.42	30	
Dieldrin [2C]	0.087	0.0040	mg/Kg wet	0.100		87.1	40-140	4.21	30	
Endosulfan I	0.091	0.0050	mg/Kg wet	0.100		91.4	40-140	6.52	30	
Endosulfan I [2C]	0.090	0.0050	mg/Kg wet	0.100		89.7	40-140	4.40	30	
Endosulfan II	0.094	0.0080	mg/Kg wet	0.100		94.4	40-140	6.21	30	
Endosulfan II [2C]	0.094	0.0080	mg/Kg wet	0.100		93.6	40-140	3.66	30	
Endosulfan Sulfate	0.096	0.0080	mg/Kg wet	0.100		96.5	40-140	5.93	30	
Endosulfan Sulfate [2C]	0.095	0.0080	mg/Kg wet	0.100		94.8	40-140	3.49	30	
Endrin	0.097	0.0080	mg/Kg wet	0.100		96.7	40-140	6.73	30	
Endrin [2C]	0.096	0.0080	mg/Kg wet	0.100		95.5	40-140	4.23	30	
Endrin Aldehyde	0.092	0.0080	mg/Kg wet	0.100		92.0	40-140	6.00	30	
Endrin Aldehyde [2C]	0.091	0.0080	mg/Kg wet	0.100		91.1	40-140	3.94	30	
Endrin Ketone	0.095	0.0080	mg/Kg wet	0.100		95.5	40-140	6.02	30	
Endrin Ketone [2C]	0.095	0.0080	mg/Kg wet	0.100		95.5	40-140	3.39	30	
Heptachlor	0.091	0.0050	mg/Kg wet	0.100		91.2	40-140	8.19	30	
Heptachlor [2C]	0.089	0.0050	mg/Kg wet	0.100		89.0	40-140	6.63	30	
Heptachlor Epoxide	0.093	0.0050	mg/Kg wet	0.100		93.4	40-140	6.75	30	
Heptachlor Epoxide [2C]	0.090	0.0050	mg/Kg wet	0.100		90.0	40-140	4.75	30	
Hexachlorobenzene	0.087	0.0060	mg/Kg wet	0.100		87.3	40-140	10.5	30	
Hexachlorobenzene [2C]	0.086	0.0060	mg/Kg wet	0.100		86.2	40-140	7.26	30	
Methoxychlor	0.10	0.050	mg/Kg wet	0.100		101	40-140	5.74	30	
Methoxychlor [2C]	0.11	0.050	mg/Kg wet	0.100		106	40-140	2.55	30	
Surrogate: Decachlorobiphenyl	0.174		mg/Kg wet	0.200		86.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.173		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.163		mg/Kg wet	0.200		81.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.160		mg/Kg wet	0.200		79.8	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121571 - SW-846 3546										
Blank (B121571-BLK1)										
Prepared: 05/12/15 Analyzed: 05/13/15										
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	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.182		mg/Kg wet	0.200		90.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.181		mg/Kg wet	0.200		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.156		mg/Kg wet	0.200		78.1	30-150			
LCS (B121571-BS1)										
Prepared: 05/12/15 Analyzed: 05/13/15										
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		94.1	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		103	40-140			
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		109	40-140			
Aroclor-1260 [2C]	0.25	0.10	mg/Kg wet	0.200		124	40-140			
Surrogate: Decachlorobiphenyl	0.225		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.213		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		96.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg wet	0.200		89.7	30-150			
LCS Dup (B121571-BSD1)										
Prepared: 05/12/15 Analyzed: 05/13/15										
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		103	40-140	8.71	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg wet	0.200		113	40-140	9.43	30	
Aroclor-1260	0.24	0.10	mg/Kg wet	0.200		120	40-140	9.32	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg wet	0.200		137	40-140	9.86	30	
Surrogate: Decachlorobiphenyl	0.246		mg/Kg wet	0.200		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.232		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene	0.209		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.196		mg/Kg wet	0.200		97.9	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121571 - SW-846 3546										
Matrix Spike (B121571-MS1)		Source: 15E0367-01			Prepared: 05/12/15 Analyzed: 05/13/15					
Aroclor-1016	0.23	0.12	mg/Kg dry	0.240	ND	96.1	40-140			
Aroclor-1016 [2C]	0.25	0.12	mg/Kg dry	0.240	ND	104	40-140			
Aroclor-1260	0.21	0.12	mg/Kg dry	0.240	ND	86.4	40-140			
Aroclor-1260 [2C]	0.23	0.12	mg/Kg dry	0.240	ND	94.3	40-140			
Surrogate: Decachlorobiphenyl	0.187		mg/Kg dry	0.240		77.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.209		mg/Kg dry	0.240		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.218		mg/Kg dry	0.240		90.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.208		mg/Kg dry	0.240		86.9	30-150			
Matrix Spike Dup (B121571-MSD1)		Source: 15E0367-01			Prepared: 05/12/15 Analyzed: 05/13/15					
Aroclor-1016	0.23	0.12	mg/Kg dry	0.240	ND	95.6	40-140	0.511	30	
Aroclor-1016 [2C]	0.25	0.12	mg/Kg dry	0.240	ND	102	40-140	2.20	30	
Aroclor-1260	0.21	0.12	mg/Kg dry	0.240	ND	88.3	40-140	2.21	30	
Aroclor-1260 [2C]	0.23	0.12	mg/Kg dry	0.240	ND	96.6	40-140	2.39	30	
Surrogate: Decachlorobiphenyl	0.186		mg/Kg dry	0.240		77.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.202		mg/Kg dry	0.240		84.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.215		mg/Kg dry	0.240		89.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.206		mg/Kg dry	0.240		85.7	30-150			
Batch B121593 - SW-846 3510C										
Blank (B121593-BLK1)		Prepared: 05/13/15 Analyzed: 05/14/15								
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.36		µg/L	2.00		67.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.31		µg/L	2.00		65.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.49		µg/L	2.00		74.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.62		µg/L	2.00		80.8	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B121593 - SW-846 3510C

LCS (B121593-BS1)

Prepared: 05/13/15 Analyzed: 05/14/15

Aroclor-1016	0.48	0.20	µg/L	0.500		95.0	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/L	0.500		100	40-140			
Aroclor-1260	0.44	0.20	µg/L	0.500		87.4	40-140			
Aroclor-1260 [2C]	0.49	0.20	µg/L	0.500		97.3	40-140			
Surrogate: Decachlorobiphenyl	1.52		µg/L	2.00		75.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.48		µg/L	2.00		73.8	30-150			
Surrogate: Tetrachloro-m-xylene	1.58		µg/L	2.00		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.73		µg/L	2.00		86.4	30-150			

LCS Dup (B121593-BSD1)

Prepared: 05/13/15 Analyzed: 05/14/15

Aroclor-1016	0.48	0.20	µg/L	0.500		96.0	40-140	1.06	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		103	40-140	2.72	20	
Aroclor-1260	0.45	0.20	µg/L	0.500		89.4	40-140	2.28	20	
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		99.2	40-140	1.92	20	
Surrogate: Decachlorobiphenyl	1.54		µg/L	2.00		76.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.50		µg/L	2.00		74.8	30-150			
Surrogate: Tetrachloro-m-xylene	1.57		µg/L	2.00		78.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.72		µg/L	2.00		86.1	30-150			

QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B121397 - SW-846 8151

Blank (B121397-BLK1)

Prepared: 05/11/15 Analyzed: 05/13/15

2,4-D	ND	24	µg/kg wet							
2,4-D [2C]	ND	24	µg/kg wet							
2,4,5-TP (Silvex)	ND	2.4	µg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	2.4	µg/kg wet							
2,4,5-T	ND	2.4	µg/kg wet							
2,4,5-T [2C]	ND	2.4	µg/kg wet							
Dalapon	ND	59	µg/kg wet							
Dalapon [2C]	ND	59	µg/kg wet							
Dicamba	ND	2.4	µg/kg wet							
Dicamba [2C]	ND	2.4	µg/kg wet							
Surrogate: 2,4-Dichlorophenylacetic acid	80.6		µg/kg wet	95.2		84.7	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	76.7		µg/kg wet	95.2		80.6	30-150			

LCS (B121397-BS1)

Prepared: 05/11/15 Analyzed: 05/13/15

2,4-D	108	25	µg/kg wet	124		86.9	40-140			
2,4-D [2C]	97.4	25	µg/kg wet	124		78.4	40-140			
2,4,5-TP (Silvex)	10.6	2.5	µg/kg wet	12.4		84.9	40-140			
2,4,5-TP (Silvex) [2C]	10.7	2.5	µg/kg wet	12.4		86.2	40-140			
2,4,5-T	10.9	2.5	µg/kg wet	12.4		87.5	40-140			
2,4,5-T [2C]	12.1	2.5	µg/kg wet	12.4		97.2	40-140			
Dalapon	131	62	µg/kg wet	311		42.0	40-140			
Dalapon [2C]	132	62	µg/kg wet	311		42.4	40-140			
Dicamba	10.5	2.5	µg/kg wet	12.4		84.5	40-140			
Dicamba [2C]	11.6	2.5	µg/kg wet	12.4		93.0	40-140			
Surrogate: 2,4-Dichlorophenylacetic acid	95.6		µg/kg wet	99.5		96.2	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	87.4		µg/kg wet	99.5		87.9	30-150			

LCS Dup (B121397-BSD1)

Prepared: 05/11/15 Analyzed: 05/13/15

2,4-D	107	25	µg/kg wet	124		86.0	40-140	1.10	30	
2,4-D [2C]	97.4	25	µg/kg wet	124		78.4	40-140	0.00409	30	
2,4,5-TP (Silvex)	10.1	2.5	µg/kg wet	12.4		81.5	40-140	4.09	30	
2,4,5-TP (Silvex) [2C]	10.7	2.5	µg/kg wet	12.4		85.9	40-140	0.314	30	
2,4,5-T	10.6	2.5	µg/kg wet	12.4		85.1	40-140	2.75	30	
2,4,5-T [2C]	11.6	2.5	µg/kg wet	12.4		93.4	40-140	4.08	30	
Dalapon	132	62	µg/kg wet	311		42.4	40-140	0.831	30	
Dalapon [2C]	133	62	µg/kg wet	311		42.6	40-140	0.652	30	
Dicamba	10.8	2.5	µg/kg wet	12.4		87.2	40-140	3.13	30	
Dicamba [2C]	11.8	2.5	µg/kg wet	12.4		95.2	40-140	2.32	30	
Surrogate: 2,4-Dichlorophenylacetic acid	90.6		µg/kg wet	99.5		91.1	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	86.8		µg/kg wet	99.5		87.3	30-150			

Matrix Spike (B121397-MS1)

Source: 15E0367-04

Prepared: 05/11/15 Analyzed: 05/14/15

2,4-D	131	29	µg/kg dry	144	ND	91.0	30-150			
2,4-D [2C]	121	29	µg/kg dry	144	ND	84.1	30-150			
2,4,5-TP (Silvex)	12.3	2.9	µg/kg dry	14.4	ND	85.6	30-150			
2,4,5-TP (Silvex) [2C]	14.0	2.9	µg/kg dry	14.4	ND	97.8	30-150			
2,4,5-T	12.6	2.9	µg/kg dry	14.4	ND	88.1	30-150			
2,4,5-T [2C]	11.3	2.9	µg/kg dry	14.4	ND	79.1	30-150			
Dalapon	171	72	µg/kg dry	359	ND	47.8	30-150			
Dalapon [2C]	174	72	µg/kg dry	359	ND	48.4	30-150			

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

QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B121397 - SW-846 8151

Matrix Spike (B121397-MS1)

Source: 15E0367-04

Prepared: 05/11/15 Analyzed: 05/14/15

Dicamba	12.9	2.9	µg/kg dry	14.4	ND	90.0	30-150			
Dicamba [2C]	14.6	2.9	µg/kg dry	14.4	ND	102	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid	116		µg/kg dry	115		101	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	109		µg/kg dry	115		95.2	30-150			

Matrix Spike Dup (B121397-MSD1)

Source: 15E0367-04

Prepared: 05/11/15 Analyzed: 05/14/15

2,4-D	122	29	µg/kg dry	144	ND	84.7	30-150	6.90	30	
2,4-D [2C]	115	29	µg/kg dry	144	ND	80.1	30-150	4.61	30	
2,4,5-TP (Silvex)	11.8	2.9	µg/kg dry	14.4	ND	82.2	30-150	3.73	30	
2,4,5-TP (Silvex) [2C]	13.2	2.9	µg/kg dry	14.4	ND	91.7	30-150	6.13	30	
2,4,5-T	11.6	2.9	µg/kg dry	14.4	ND	80.7	30-150	8.40	30	
2,4,5-T [2C]	11.8	2.9	µg/kg dry	14.4	ND	81.8	30-150	3.70	30	
Dalapon	153	72	µg/kg dry	360	ND	42.4	30-150	11.5	30	
Dalapon [2C]	154	72	µg/kg dry	360	ND	42.9	30-150	11.9	30	
Dicamba	12.1	2.9	µg/kg dry	14.4	ND	84.0	30-150	6.59	30	
Dicamba [2C]	13.7	2.9	µg/kg dry	14.4	ND	95.0	30-150	6.57	30	
Surrogate: 2,4-Dichlorophenylacetic acid	107		µg/kg dry	115		93.2	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	103		µg/kg dry	115		89.6	30-150			

Batch B121605 - SW-846 3510C

Blank (B121605-BLK1)

Prepared: 05/13/15 Analyzed: 05/18/15

2,4-D	ND	0.50	µg/L							
2,4-D [2C]	ND	0.50	µg/L							
2,4,5-TP (Silvex)	ND	0.050	µg/L							
2,4,5-TP (Silvex) [2C]	ND	0.050	µg/L							
2,4,5-T	ND	0.10	µg/L							
2,4,5-T [2C]	ND	0.10	µg/L							
Dalapon	ND	1.2	µg/L							
Dalapon [2C]	ND	1.2	µg/L							
Dicamba	ND	0.050	µg/L							
Dicamba [2C]	ND	0.050	µg/L							
Surrogate: 2,4-Dichlorophenylacetic acid	1.46		µg/L	2.00		73.1	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	1.36		µg/L	2.00		67.9	30-150			

LCS (B121605-BS1)

Prepared: 05/13/15 Analyzed: 05/18/15

2,4-D	2.31	0.50	µg/L	2.50		92.6	40-140			
2,4-D [2C]	2.09	0.50	µg/L	2.50		83.6	40-140			
2,4,5-TP (Silvex)	0.235	0.050	µg/L	0.250		94.0	40-140			
2,4,5-TP (Silvex) [2C]	0.232	0.050	µg/L	0.250		92.7	40-140			
2,4,5-T	0.250	0.10	µg/L	0.250		100	40-140			
2,4,5-T [2C]	0.252	0.10	µg/L	0.250		101	40-140			
Dalapon	3.40	1.2	µg/L	6.25		54.4	40-140			
Dalapon [2C]	3.43	1.2	µg/L	6.25		55.0	40-140			
Dicamba	0.226	0.050	µg/L	0.250		90.3	40-140			
Dicamba [2C]	0.288	0.050	µg/L	0.250		115	40-140			
Surrogate: 2,4-Dichlorophenylacetic acid	1.88		µg/L	2.00		93.8	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	1.89		µg/L	2.00		94.4	30-150			

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

QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B121605 - SW-846 3510C

LCS Dup (B121605-BSD1)

Prepared: 05/13/15 Analyzed: 05/18/15

2,4-D	2.26	0.50	µg/L	2.50		90.3	40-140	2.52	30	
2,4-D [2C]	2.05	0.50	µg/L	2.50		82.0	40-140	1.88	30	
2,4,5-TP (Silvex)	0.231	0.050	µg/L	0.250		92.6	40-140	1.58	30	
2,4,5-TP (Silvex) [2C]	0.232	0.050	µg/L	0.250		92.7	40-140	0.0777	30	
2,4,5-T	0.236	0.10	µg/L	0.250		94.5	40-140	5.65	30	
2,4,5-T [2C]	0.253	0.10	µg/L	0.250		101	40-140	0.490	30	
Dalapon	3.05	1.2	µg/L	6.25		48.9	40-140	10.7	30	
Dalapon [2C]	3.07	1.2	µg/L	6.25		49.1	40-140	11.2	30	
Dicamba	0.227	0.050	µg/L	0.250		90.9	40-140	0.724	30	
Dicamba [2C]	0.296	0.050	µg/L	0.250		118	40-140	2.78	30	
Surrogate: 2,4-Dichlorophenylacetic acid	1.85		µg/L	2.00		92.3	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	1.83		µg/L	2.00		91.4	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122119 - SW-846 3546										
Blank (B122119-BLK1)										
Prepared & Analyzed: 05/19/15										
CT ETPH	ND	9.6	mg/Kg wet							
Surrogate: o-Terphenyl	2.41		mg/Kg wet	3.21		75.2	50-150			
LCS (B122119-BS1)										
Prepared & Analyzed: 05/19/15										
CT ETPH	22.9	9.8	mg/Kg wet	32.7		70.1	60-120			
Surrogate: o-Terphenyl	2.33		mg/Kg wet	3.27		71.4	50-150			
LCS Dup (B122119-BSD1)										
Prepared & Analyzed: 05/19/15										
CT ETPH	19.9	9.8	mg/Kg wet	32.7		61.0	60-120	13.9	30	
Surrogate: o-Terphenyl	2.05		mg/Kg wet	3.27		62.7	50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B121904 - SW-846 7470A Prep

Blank (B121904-BLK1)

Prepared: 05/16/15 Analyzed: 05/18/15

Mercury ND 0.00010 mg/L

LCS (B121904-BS1)

Prepared: 05/16/15 Analyzed: 05/18/15

Mercury 0.00165 0.00010 mg/L 0.00200 82.5 80-120

LCS Dup (B121904-BSD1)

Prepared: 05/16/15 Analyzed: 05/18/15

Mercury 0.00180 0.00010 mg/L 0.00200 89.9 80-120 8.57 20

Batch B121995 - SW-846 3005A

Blank (B121995-BLK1)

Prepared: 05/18/15 Analyzed: 05/19/15

Arsenic ND 2.0 µg/L
 Barium ND 50 µg/L
 Cadmium ND 2.5 µg/L
 Chromium ND 5.0 µg/L
 Lead ND 5.0 µg/L
 Selenium ND 25 µg/L
 Silver ND 2.5 µg/L

LCS (B121995-BS1)

Prepared: 05/18/15 Analyzed: 05/19/15

Arsenic 262 2.0 µg/L 250 105 80-120
 Barium 260 50 µg/L 250 104 80-120
 Cadmium 266 2.5 µg/L 250 106 80-120
 Chromium 259 5.0 µg/L 250 104 80-120
 Lead 265 5.0 µg/L 250 106 80-120
 Selenium 263 25 µg/L 250 105 80-120
 Silver 271 2.5 µg/L 250 109 80-120

LCS Dup (B121995-BSD1)

Prepared: 05/18/15 Analyzed: 05/19/15

Arsenic 264 2.0 µg/L 250 106 80-120 0.972 20
 Barium 262 50 µg/L 250 105 80-120 0.650 20
 Cadmium 267 2.5 µg/L 250 107 80-120 0.288 20
 Chromium 259 5.0 µg/L 250 104 80-120 0.0502 20
 Lead 267 5.0 µg/L 250 107 80-120 0.546 20
 Selenium 266 25 µg/L 250 107 80-120 1.23 20
 Silver 273 2.5 µg/L 250 109 80-120 0.686 20

Batch B122155 - SW-846 7471

Blank (B122155-BLK1)

Prepared: 05/20/15 Analyzed: 05/21/15

Mercury ND 0.025 mg/Kg wet

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122155 - SW-846 7471										
LCS (B122155-BS1) Prepared: 05/20/15 Analyzed: 05/21/15										
Mercury	8.37	0.77	mg/Kg wet	7.10		118	73.7-126.3			
LCS Dup (B122155-BSD1) Prepared: 05/20/15 Analyzed: 05/21/15										
Mercury	7.12	0.77	mg/Kg wet	7.10		100	73.7-126.3	16.1	30	
Batch B122159 - SW-846 3050B										
Blank (B122159-BLK1) Prepared: 05/20/15 Analyzed: 05/21/15										
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
LCS (B122159-BS1) Prepared: 05/20/15 Analyzed: 05/21/15										
Arsenic	121	5.0	mg/Kg wet	122		98.8	77.8-122.1			
Barium	157	5.0	mg/Kg wet	167		93.7	82-117.4			
Cadmium	86.7	0.50	mg/Kg wet	88.0		98.5	81.9-118.2			
Chromium	94.6	1.0	mg/Kg wet	102		92.7	78.7-120.6			
Lead	91.4	1.5	mg/Kg wet	94.5		96.7	82.4-117.8			
Selenium	153	10	mg/Kg wet	157		97.3	77.1-122.3			
Silver	32.3	1.0	mg/Kg wet	34.2		94.4	74.3-125.4			
LCS Dup (B122159-BSD1) Prepared: 05/20/15 Analyzed: 05/21/15										
Arsenic	121	5.0	mg/Kg wet	122		98.8	77.8-122.1	0.0522	30	
Barium	160	5.0	mg/Kg wet	167		95.8	82-117.4	2.22	30	
Cadmium	86.6	0.50	mg/Kg wet	88.0		98.4	81.9-118.2	0.0548	30	
Chromium	94.5	1.0	mg/Kg wet	102		92.6	78.7-120.6	0.113	30	
Lead	89.7	1.5	mg/Kg wet	94.5		94.9	82.4-117.8	1.85	30	
Selenium	159	10	mg/Kg wet	157		101	77.1-122.3	3.70	30	
Silver	31.1	1.0	mg/Kg wet	34.2		90.9	74.3-125.4	3.76	30	
MRL Check (B122159-MRL1) Prepared: 05/20/15 Analyzed: 05/21/15										
Lead	1.27	0.73	mg/Kg wet	24.2		5.25 *	80-120			L-10
Batch B122263 - SW-846 3050B										
Blank (B122263-BLK1) Prepared: 05/21/15 Analyzed: 05/22/15										
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122263 - SW-846 3050B										
LCS (B122263-BS1)										
					Prepared: 05/21/15 Analyzed: 05/22/15					
Arsenic	108	5.0	mg/Kg wet	122		88.7	77.8-122.1			
Barium	152	5.0	mg/Kg wet	167		90.9	82-117.4			
Cadmium	79.2	0.50	mg/Kg wet	88.0		90.0	81.9-118.2			
Chromium	92.2	1.0	mg/Kg wet	102		90.4	78.7-120.6			
Lead	84.9	1.5	mg/Kg wet	94.5		89.8	82.4-117.8			
Selenium	144	10	mg/Kg wet	157		91.6	77.1-122.3			
Silver	29.8	1.0	mg/Kg wet	34.2		87.2	74.3-125.4			
LCS Dup (B122263-BSD1)										
					Prepared: 05/21/15 Analyzed: 05/22/15					
Arsenic	112	5.0	mg/Kg wet	122		91.5	77.8-122.1	3.10	30	
Barium	156	5.0	mg/Kg wet	167		93.7	82-117.4	3.01	30	
Cadmium	79.9	0.50	mg/Kg wet	88.0		90.8	81.9-118.2	0.868	30	
Chromium	94.6	1.0	mg/Kg wet	102		92.8	78.7-120.6	2.59	30	
Lead	96.4	1.5	mg/Kg wet	94.5		102	82.4-117.8	12.7	30	
Selenium	145	10	mg/Kg wet	157		92.4	77.1-122.3	0.850	30	
Silver	30.5	1.0	mg/Kg wet	34.2		89.3	74.3-125.4	2.35	30	
MRL Check (B122263-MRL1)										
					Prepared: 05/21/15 Analyzed: 05/22/15					
Lead	0.669	0.74	mg/Kg wet	0.745		89.9	80-120			

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

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 B121362 - SW-846 9045C										
LCS (B121362-BS1)				Prepared & Analyzed: 05/09/15						
pH	5.99		pH Units	6.00		99.8	98.6-102			
LCS (B121362-BS2)				Prepared & Analyzed: 05/09/15						
pH	6.01		pH Units	6.00		100	98.6-102			
LCS (B121362-BS3)				Prepared & Analyzed: 05/09/15						
pH	5.97		pH Units	6.00		99.5	98.6-102			
Duplicate (B121362-DUP2)		Source: 15E0367-01		Prepared & Analyzed: 05/09/15						
pH	7.6		pH Units		7.6			0.263	5	H-03
Duplicate (B121362-DUP3)		Source: 15E0367-06		Prepared & Analyzed: 05/09/15						
pH	4.6		pH Units		4.6			0.657	5	H-03
Batch B121560 - SM21-22 4500 CL B										
Blank (B121560-BLK1)				Prepared & Analyzed: 05/12/15						
Chloride	ND	1.0	mg/L							
LCS (B121560-BS1)				Prepared & Analyzed: 05/12/15						
Chloride	12	1.0	mg/L	11.8		105	87.1-113			
LCS Dup (B121560-BSD1)				Prepared & Analyzed: 05/12/15						
Chloride	12	1.0	mg/L	11.8		105	87.1-113	0.00	9.72	
Batch B121572 - % Solids										
Duplicate (B121572-DUP7)		Source: 15E0367-05		Prepared: 05/12/15 Analyzed: 05/13/15						
% Solids	89.6		% Wt		90.2			0.667	20	
Batch B121592 - SM21-22 2540D										
Blank (B121592-BLK1)				Prepared & Analyzed: 05/13/15						
Total Suspended Solids	ND	2.5	mg/L							
LCS (B121592-BS1)				Prepared & Analyzed: 05/13/15						
Total Suspended Solids	188	10	mg/L	200		94.0	70.4-114			
Batch B121657 - SM21-22 4500 CN E										
Blank (B121657-BLK1)				Prepared: 05/13/15 Analyzed: 05/14/15						
Cyanide	ND	0.010	mg/L							

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

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 B121657 - SM21-22 4500 CN E										
LCS (B121657-BS1)				Prepared: 05/13/15 Analyzed: 05/14/15						
Cyanide	0.65	0.010	mg/L	0.744		87.8	75.5-111			
LCS Dup (B121657-BSD1)				Prepared: 05/13/15 Analyzed: 05/14/15						
Cyanide	0.65	0.010	mg/L	0.744		87.7	75.5-111	0.105	11.7	
Batch B121662 - SM21-22 4500 CN G										
Blank (B121662-BLK1)				Prepared: 05/13/15 Analyzed: 05/14/15						
Cyanide (amenable)	ND	0.010	mg/L							
Batch B121872 - SW-846 9014										
Blank (B121872-BLK1)				Prepared: 05/15/15 Analyzed: 05/16/15						
Cyanide	ND	0.49	mg/Kg wet							
LCS (B121872-BS1)				Prepared: 05/15/15 Analyzed: 05/16/15						
Cyanide	63	2.3	mg/Kg wet	58.5		108	80-120			
LCS Dup (B121872-BSD1)				Prepared: 05/15/15 Analyzed: 05/16/15						
Cyanide	61	2.3	mg/Kg wet	58.3		104	80-120	3.83	20	
Batch B121956 - SW-846 1010										
Blank (B121956-BLK1)				Prepared & Analyzed: 05/18/15						
Flashpoint	> 212 °F		°F							
LCS (B121956-BS1)				Prepared & Analyzed: 05/18/15						
Flashpoint	81		°F	81.0		100	98.8-101			
LCS Dup (B121956-BSD1)				Prepared & Analyzed: 05/18/15						
Flashpoint	81		°F	81.0		100	98.8-101	0.00	5	
Batch B121957 - SW-846 9014										
Blank (B121957-BLK1)				Prepared: 05/18/15 Analyzed: 05/19/15						
Reactive Cyanide	ND	0.40	mg/Kg							
LCS (B121957-BS1)				Prepared: 05/18/15 Analyzed: 05/19/15						
Reactive Cyanide	9.5	0.40	mg/Kg	10.0		95.4	86.4-107			

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

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 B121959 - SM21-22 2510B Modified										
Blank (B121959-BLK1)				Prepared & Analyzed: 05/18/15						
Specific conductance	ND	2.0	µmhos/cm							
LCS (B121959-BS1)				Prepared & Analyzed: 05/18/15						
Specific conductance	270		µmhos/cm	286		96.1	88.6-105			
Duplicate (B121959-DUP1)				Source: 15E0367-01			Prepared & Analyzed: 05/18/15			
Specific conductance	5.3	2.0	µmhos/cm		5.5			3.15	19.6	
Batch B121969 - SM19-22 4500 NH3 C										
Blank (B121969-BLK1)				Prepared & Analyzed: 05/18/15						
Ammonia as N	ND	0.30	mg/L							
LCS (B121969-BS1)				Prepared & Analyzed: 05/18/15						
Ammonia as N	4.9	0.30	mg/L	5.00		98.0	82-106			
LCS Dup (B121969-BSD1)				Prepared & Analyzed: 05/18/15						
Ammonia as N	4.9	0.30	mg/L	5.00		98.0	82-106	0.00	8.24	
Batch B122005 - SW-846 9030A										
Blank (B122005-BLK1)				Prepared: 05/18/15 Analyzed: 05/19/15						
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B122005-BS1)				Prepared: 05/18/15 Analyzed: 05/19/15						
Reactive Sulfide	15	2.0	mg/Kg	14.8		103	42.9-132			
Batch B122248 - EPA 1664B										
Blank (B122248-BLK1)				Prepared & Analyzed: 05/21/15						
Oil & Grease (HEM)	ND	1.4	mg/L							
LCS (B122248-BS1)				Prepared & Analyzed: 05/21/15						
Oil & Grease (HEM)	32		mg/L	40.0		81.0	78-114			
Duplicate (B122248-DUP1)				Source: 15E0367-09			Prepared & Analyzed: 05/21/15			
Oil & Grease (HEM)	ND	1.6	mg/L		ND			NC	18	
Matrix Spike (B122248-MS1)				Source: 15E0367-09			Prepared & Analyzed: 05/21/15			
Oil & Grease (HEM)	250	14	mg/L	400	ND	62.0 *	78-114			MS-07

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

QUALITY CONTROL

TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122173 - SW-846 7470A Prep										
Blank (B122173-BLK1)				Prepared: 05/20/15 Analyzed: 05/21/15						
Mercury	ND	0.00010	mg/L							
LCS (B122173-BS1)				Prepared: 05/20/15 Analyzed: 05/21/15						
Mercury	0.00167	0.00010	mg/L	0.00200		83.5	80-120			
LCS Dup (B122173-BSD1)				Prepared: 05/20/15 Analyzed: 05/21/15						
Mercury	0.00169	0.00010	mg/L	0.00200		84.7	80-120	1.44	20	
Matrix Spike (B122173-MS1)				Source: 15E0367-01		Prepared: 05/20/15 Analyzed: 05/21/15				
Mercury	0.00172	0.00010	mg/L	0.00200	ND	86.1	75-125			
Batch B122198 - SW-846 3010A										
Blank (B122198-BLK1)				Prepared: 05/20/15 Analyzed: 05/21/15						
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Cadmium	ND	0.0040	mg/L							
Chromium	ND	0.010	mg/L							
Lead	ND	0.010	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.0050	mg/L							
LCS (B122198-BS1)				Prepared: 05/20/15 Analyzed: 05/21/15						
Arsenic	0.519	0.010	mg/L	0.500		104	80-120			
Barium	0.488	0.050	mg/L	0.500		97.5	80-120			
Cadmium	0.502	0.0040	mg/L	0.500		100	80-120			
Chromium	0.478	0.010	mg/L	0.500		95.6	80-120			
Lead	0.459	0.010	mg/L	0.500		91.8	80-120			
Selenium	0.546	0.050	mg/L	0.500		109	80-120			
Silver	0.427	0.0050	mg/L	0.500		85.4	80-120			
LCS Dup (B122198-BSD1)				Prepared: 05/20/15 Analyzed: 05/21/15						
Arsenic	0.514	0.010	mg/L	0.500		103	80-120	0.944	20	
Barium	0.486	0.050	mg/L	0.500		97.1	80-120	0.392	20	
Cadmium	0.500	0.0040	mg/L	0.500		100	80-120	0.370	20	
Chromium	0.477	0.010	mg/L	0.500		95.4	80-120	0.211	20	
Lead	0.457	0.010	mg/L	0.500		91.4	80-120	0.394	20	
Selenium	0.546	0.050	mg/L	0.500		109	80-120	0.0945	20	
Silver	0.452	0.0050	mg/L	0.500		90.3	80-120	5.65	20	
Matrix Spike (B122198-MS1)				Source: 15E0367-01		Prepared: 05/20/15 Analyzed: 05/21/15				
Arsenic	0.505	0.010	mg/L	0.500	ND	101	75-125			
Barium	1.27	0.050	mg/L	0.500	0.810	91.3	75-125			
Cadmium	0.509	0.0040	mg/L	0.500	ND	102	75-125			
Chromium	0.483	0.010	mg/L	0.500	ND	96.6	75-125			
Lead	0.484	0.010	mg/L	0.500	0.0195	93.0	75-125			
Selenium	0.575	0.050	mg/L	0.500	0.0348	108	75-125			
Silver	0.455	0.0050	mg/L	0.500	ND	91.1	75-125			

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

BREAKDOWN REPORT

Lab Sample ID: S008521-PEM1 **Analyzed:** 05/15/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 2.33
Endrin [1] 10.01

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 3.20
Endrin [2] 10.42

BREAKDOWN REPORT

Lab Sample ID: S008521-PEM2 **Analyzed:** 05/15/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 1.53
Endrin [1] 7.19

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 2.30
Endrin [2] 7.56

BREAKDOWN REPORT

Lab Sample ID: S008521-PEM3 **Analyzed:** 05/15/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 2.00
Endrin [1] 8.89

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

BREAKDOWN REPORT

Lab Sample ID: S008521-PEM3 **Analyzed:** 05/15/2015

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 2.77
Endrin [2] 9.23

BREAKDOWN REPORT

Lab Sample ID: S008521-PEM4 **Analyzed:** 05/16/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 2.61
Endrin [1] 7.24

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 3.11
Endrin [2] 7.67

BREAKDOWN REPORT

Lab Sample ID: S008531-PEM1 **Analyzed:** 05/20/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 1.58
Endrin [1] 5.21

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 2.28
Endrin [2] 5.98

BREAKDOWN REPORT

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

BREAKDOWN REPORT

Lab Sample ID: S008531-PEM2 **Analyzed:** 05/21/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 1.66
Endrin [1] 4.66

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 2.37
Endrin [2] 4.86

BREAKDOWN REPORT

Lab Sample ID: S008531-PEM3 **Analyzed:** 05/21/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 1.59
Endrin [1] 5.32

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 2.26
Endrin [2] 6.09

BREAKDOWN REPORT

Lab Sample ID: S008531-PEM4 **Analyzed:** 05/21/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 1.42
Endrin [1] 3.61

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

BREAKDOWN REPORT

Lab Sample ID: S008531-PEM4 Analyzed: 05/21/2015

Column Number:	2
Analyte	% Breakdown
4,4'-DDT [2]	2.06
Endrin [2]	3.85

BREAKDOWN REPORT

Lab Sample ID: S008531-PEM5 Analyzed: 05/21/2015

Column Number:	1
Analyte	% Breakdown
4,4'-DDT [1]	2.80
Endrin [1]	3.51

Column Number:	2
Analyte	% Breakdown
4,4'-DDT [2]	3.84
Endrin [2]	3.60

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SO-83167-050815-SD-014

SW-846 8081B

Lab Sample ID: 15E0367-08 Date(s) Analyzed: 05/21/2015 05/21/2015

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDT	1	7.82	0.00	0.00	0.011	
	2	7.93	0.00	0.00	0.0099	7.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8151A

Matrix Spike

Lab Sample ID: B121397-MS1 Date(s) Analyzed: 05/14/2015 05/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4,5-T	1	16.13	0.00	0.00	12.6	
	2	16.05	0.00	0.00	11.3	11
2,4,5-TP (Silvex)	1	15.51	0.00	0.00	12.3	
	2	15.19	0.00	0.00	14.0	13
2,4-D	1	13.65	0.00	0.00	131	
	2	13.45	0.00	0.00	121	8
Dalapon	1	4.56	0.00	0.00	171	
	2	4.14	0.00	0.00	174	2
Dicamba	1	11.53	0.00	0.00	12.9	
	2	11.23	0.00	0.00	14.6	12

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B121571-BS1 Date(s) Analyzed: 05/13/2015 05/13/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.19	
	2	0.00	0.00	0.00	0.21	11
Aroclor-1260	1	0.00	0.00	0.00	0.22	
	2	0.00	0.00	0.00	0.25	13

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B121593-BS1 Date(s) Analyzed: 05/14/2015 05/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.48	
	2	0.00	0.00	0.00	0.50	5
Aroclor-1260	1	0.00	0.00	0.00	0.44	
	2	0.00	0.00	0.00	0.49	11

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B121593-BSD1 Date(s) Analyzed: 05/14/2015 05/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.48	
	2	0.00	0.00	0.00	0.51	6
Aroclor-1260	1	0.00	0.00	0.00	0.45	
	2	0.00	0.00	0.00	0.50	11

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8081B

Lab Sample ID: B121600-BS1 Date(s) Analyzed: 05/15/2015 05/15/2015
Instrument ID (1): ECD6 Instrument ID (2): ECD6
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	6.83	0.00	0.00	1.0	
	2	7.38	0.00	0.00	1.1	9
4,4'-DDE	1	6.42	0.00	0.00	0.97	
	2	6.94	0.00	0.00	1.1	12
4,4'-DDT	1	7.02	0.00	0.00	1.1	
	2	7.62	0.00	0.00	1.1	0
Alachlor	1	5.91	0.00	0.00	0.94	
	2	6.12	0.00	0.00	0.97	3
Aldrin	1	5.81	0.00	0.00	0.93	
	2	6.18	0.00	0.00	1.0	7
alpha-BHC	1	5.20	0.00	0.00	0.88	
	2	5.47	0.00	0.00	0.94	6
beta-BHC	1	5.42	0.00	0.00	0.89	
	2	5.74	0.00	0.00	0.94	5
delta-BHC	1	5.52	0.00	0.00	0.94	
	2	5.93	0.00	0.00	0.96	2
Dieldrin	1	6.60	0.00	0.00	0.94	
	2	7.06	0.00	0.00	1.1	16
Endosulfan I	1	6.44	0.00	0.00	0.96	
	2	6.86	0.00	0.00	1.1	14
Endosulfan II	1	6.91	0.00	0.00	0.97	
	2	7.45	0.00	0.00	1.1	12
Endosulfan Sulfate	1	7.54	0.00	0.00	0.98	
	2	7.92	0.00	0.00	1.1	12
Endrin	1	6.76	0.00	0.00	1.1	
	2	7.28	0.00	0.00	1.1	4
Endrin Aldehyde	1	7.22	0.00	0.00	0.93	
	2	7.71	0.00	0.00	1.1	17
Endrin Ketone	1	7.74	0.00	0.00	0.95	
	2	8.29	0.00	0.00	1.0	5
gamma-BHC (Lindane)	1	5.37	0.00	0.00	0.93	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8081B

Lab Sample ID: B121600-BS1 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	5.68	0.00	0.00	1.0	7
Heptachlor	1	5.64	0.00	0.00	0.96	
	2	5.96	0.00	0.00	1.0	4
Heptachlor Epoxide	1	6.19	0.00	0.00	0.95	
	2	6.58	0.00	0.00	1.1	15
Hexachlorobenzene	1	5.10	0.00	0.00	0.92	
	2	5.38	0.00	0.00	0.97	6
Methoxychlor	1	7.40	0.00	0.00	1.1	
	2	8.15	0.00	0.00	1.2	12

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8081B

LCS Dup

Lab Sample ID: B121600-BSD1 Date(s) Analyzed: 05/15/2015 05/15/2015
 Instrument ID (1): ECD6 Instrument ID (2): ECD6
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	6.83	0.00	0.00	0.97	
	2	7.38	0.00	0.00	1.1	13
4,4'-DDE	1	6.42	0.00	0.00	0.93	
	2	6.94	0.00	0.00	1.1	16
4,4'-DDT	1	7.02	0.00	0.00	1.0	
	2	7.62	0.00	0.00	1.1	6
Alachlor	1	5.91	0.00	0.00	0.89	
	2	6.12	0.00	0.00	1.0	12
Aldrin	1	5.81	0.00	0.00	0.89	
	2	6.18	0.00	0.00	1.0	11
alpha-BHC	1	5.20	0.00	0.00	0.87	
	2	5.47	0.00	0.00	0.95	9
beta-BHC	1	5.42	0.00	0.00	0.86	
	2	5.74	0.00	0.00	0.94	9
delta-BHC	1	5.52	0.00	0.00	0.90	
	2	5.93	0.00	0.00	0.96	6
Dieldrin	1	6.60	0.00	0.00	0.89	
	2	7.06	0.00	0.00	1.0	12
Endosulfan I	1	6.44	0.00	0.00	0.90	
	2	6.86	0.00	0.00	1.0	10
Endosulfan II	1	6.91	0.00	0.00	0.91	
	2	7.45	0.00	0.00	1.0	9
Endosulfan Sulfate	1	7.54	0.00	0.00	0.92	
	2	7.92	0.00	0.00	1.0	8
Endrin	1	6.76	0.00	0.00	0.99	
	2	7.28	0.00	0.00	1.1	11
Endrin Aldehyde	1	7.22	0.00	0.00	0.90	
	2	7.71	0.00	0.00	1.0	10
Endrin Ketone	1	7.74	0.00	0.00	0.90	
	2	8.29	0.00	0.00	1.0	11
gamma-BHC (Lindane)	1	5.37	0.00	0.00	0.91	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8081B

Lab Sample ID: B121600-BSD1 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	5.68	0.00	0.00	1.0	10
Heptachlor	1	5.64	0.00	0.00	0.92	
	2	5.96	0.00	0.00	1.0	8
Heptachlor Epoxide	1	6.19	0.00	0.00	0.90	
	2	6.58	0.00	0.00	1.0	11
Hexachlorobenzene	1	5.10	0.00	0.00	0.88	
	2	5.38	0.00	0.00	0.94	7
Methoxychlor	1	7.40	0.00	0.00	1.0	
	2	8.15	0.00	0.00	1.1	7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8081B

Lab Sample ID: B122145-BS1 Date(s) Analyzed: 05/21/2015 05/21/2015

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	7.60	0.00	0.00	0.10	
	2	7.68	0.00	0.00	0.099	6
4,4'-DDE	1	7.14	0.00	0.00	0.10	
	2	7.23	0.00	0.00	0.097	8
4,4'-DDT	1	7.82	0.00	0.00	0.11	
	2	7.93	0.00	0.00	0.10	9
Alachlor	1	6.55	0.00	0.00	0.099	
	2	6.36	0.00	0.00	0.095	4
Aldrin	1	6.46	0.00	0.00	0.10	
	2	6.44	0.00	0.00	0.095	6
alpha-BHC	1	5.70	0.00	0.00	0.097	
	2	5.68	0.00	0.00	0.092	5
beta-BHC	1	5.97	0.00	0.00	0.094	
	2	5.96	0.00	0.00	0.088	6
delta-BHC	1	6.09	0.00	0.00	0.099	
	2	6.17	0.00	0.00	0.092	7
Dieldrin	1	7.38	0.00	0.00	0.099	
	2	7.36	0.00	0.00	0.091	8
Endosulfan I	1	7.20	0.00	0.00	0.098	
	2	7.15	0.00	0.00	0.094	4
Endosulfan II	1	7.73	0.00	0.00	0.10	
	2	7.76	0.00	0.00	0.097	3
Endosulfan Sulfate	1	8.35	0.00	0.00	0.10	
	2	8.22	0.00	0.00	0.098	4
Endrin	1	7.56	0.00	0.00	0.10	
	2	7.59	0.00	0.00	0.10	3
Endrin Aldehyde	1	8.05	0.00	0.00	0.098	
	2	8.02	0.00	0.00	0.095	3
Endrin Ketone	1	8.53	0.00	0.00	0.10	
	2	8.57	0.00	0.00	0.099	2
gamma-BHC (Lindane)	1	5.91	0.00	0.00	0.099	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8081B

LCS

Lab Sample ID: B122145-BS1 Date(s) Analyzed: 05/21/2015 05/21/2015

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	5.91	0.00	0.00	0.093	6
Heptachlor	1	6.24	0.00	0.00	0.099	
	2	6.21	0.00	0.00	0.095	4
Heptachlor Epoxide	1	6.90	0.00	0.00	0.10	
	2	6.86	0.00	0.00	0.094	6
Hexachlorobenzene	1	5.59	0.00	0.00	0.097	
	2	5.58	0.00	0.00	0.093	4
Methoxychlor	1	8.18	0.00	0.00	0.11	
	2	8.42	0.00	0.00	0.11	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8081B

Lab Sample ID: B122145-BSD1 Date(s) Analyzed: 05/21/2015 05/21/2015

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	7.60	0.00	0.00	0.099	
	2	7.68	0.00	0.00	0.096	3
4,4'-DDE	1	7.14	0.00	0.00	0.099	
	2	7.23	0.00	0.00	0.094	5
4,4'-DDT	1	7.82	0.00	0.00	0.10	
	2	7.93	0.00	0.00	0.098	5
Alachlor	1	6.55	0.00	0.00	0.093	
	2	6.36	0.00	0.00	0.091	2
Aldrin	1	6.46	0.00	0.00	0.093	
	2	6.44	0.00	0.00	0.089	5
alpha-BHC	1	5.70	0.00	0.00	0.087	
	2	5.68	0.00	0.00	0.086	1
beta-BHC	1	5.97	0.00	0.00	0.088	
	2	5.96	0.00	0.00	0.085	3
delta-BHC	1	6.09	0.00	0.00	0.093	
	2	6.16	0.00	0.00	0.089	4
Dieldrin	1	7.38	0.00	0.00	0.093	
	2	7.36	0.00	0.00	0.087	6
Endosulfan I	1	7.20	0.00	0.00	0.091	
	2	7.15	0.00	0.00	0.090	2
Endosulfan II	1	7.73	0.00	0.00	0.094	
	2	7.76	0.00	0.00	0.094	0
Endosulfan Sulfate	1	8.35	0.00	0.00	0.096	
	2	8.22	0.00	0.00	0.095	2
Endrin	1	7.56	0.00	0.00	0.097	
	2	7.59	0.00	0.00	0.096	1
Endrin Aldehyde	1	8.05	0.00	0.00	0.092	
	2	8.02	0.00	0.00	0.091	1
Endrin Ketone	1	8.53	0.00	0.00	0.095	
	2	8.57	0.00	0.00	0.095	1
gamma-BHC (Lindane)	1	5.91	0.00	0.00	0.090	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8081B

LCS Dup

Lab Sample ID: B122145-BSD1 Date(s) Analyzed: 05/21/2015 05/21/2015

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	5.91	0.00	0.00	0.088	2
Heptachlor	1	6.24	0.00	0.00	0.091	
	2	6.21	0.00	0.00	0.089	2
Heptachlor Epoxide	1	6.90	0.00	0.00	0.093	
	2	6.86	0.00	0.00	0.090	4
Hexachlorobenzene	1	5.59	0.00	0.00	0.087	
	2	5.58	0.00	0.00	0.086	2
Methoxychlor	1	8.18	0.00	0.00	0.10	
	2	8.41	0.00	0.00	0.11	9

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
	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.
E	Reported result is estimated. Value reported over verified calibration range.
H-03	Sample received after recommended holding time was exceeded.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
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-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested reporting limit not met.
RL-12	Elevated reporting limit due to matrix interference.
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-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
EPA 1664B in Water	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA,NJ
SM19-22 4500 NH3 C in Water	
Ammonia as N	NY,MA,CT,RI,VA,NC,NJ,ME
SM21-22 2540D in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA,NJ
SM21-22 4500 CL B in Water	
Chloride	NH,CT,MA,NY,RI,NC,ME,VA,NJ
SM21-22 4500 CN E in Water	
Cyanide	CT,MA,NH,NY,RI,NC,ME,VA,NJ
SW-846 1010 in Soil	
Flashpoint	NY,NC,ME,VA,NJ
SW-846 6010C in Soil	
Arsenic	CT,NH,NY,ME,NC,VA,NJ
Barium	CT,NH,NY,ME,NC,VA,NJ
Cadmium	CT,NH,NY,ME,NC,VA,NJ
Chromium	CT,NH,NY,ME,NC,VA,NJ
Lead	CT,NH,NY,AIHA,ME,NC,VA,NJ
Selenium	CT,NH,NY,ME,NC,VA,NJ
Silver	CT,NH,NY,ME,NC,VA,NJ
SW-846 6010C in Water	
Arsenic	NY,CT,NC,ME,NH,VA,NJ
Barium	NY,CT,ME,NC,NH,VA,NJ
Cadmium	NY,CT,ME,NC,NH,VA,NJ
Chromium	NY,CT,ME,NC,NH,VA,NJ
Lead	NY,CT,ME,NC,NH,VA,NJ
Selenium	CT,ME,NC,NH,NY,VA,NJ
Silver	CT,ME,NC,NH,NY,VA,NJ
SW-846 6020A in Water	
Arsenic	CT,NH,NY,NC,ME,VA,NJ
Barium	CT,NH,NY,NC,ME,VA,NJ
Cadmium	CT,NH,NY,RI,NC,ME,VA,NJ
Chromium	CT,NH,NY,NC,ME,VA,NJ
Lead	CT,NH,NY,NC,ME,VA,NJ
Selenium	CT,NH,NY,NC,ME,VA,NJ
Silver	CT,NH,NY,NC,ME,VA,NJ
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA,NJ
Mercury	CT,ME,NC,NH,NY,VA,NJ
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA,NJ
SW-846 8081B in Soil	

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8081B in Soil</i>	
Alachlor	NC
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA,NJ
Aldrin [2C]	CT,NH,NY,ME,NC,VA,NJ
alpha-BHC	CT,NH,NY,ME,NC,VA,NJ
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
beta-BHC	CT,NH,NY,ME,NC,VA,NJ
beta-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
delta-BHC	CT,NH,NY,ME,NC,VA,NJ
delta-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA,NJ
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA,NJ
Chlordane	CT,NH,NY,ME,NC,VA,NJ
Chlordane [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDD	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDE	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDT	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA,NJ
Dieldrin	CT,NH,NY,ME,NC,VA,NJ
Dieldrin [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan I	CT,NH,NY,ME,NC,VA,NJ
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan II	CT,NH,NY,ME,NC,VA,NJ
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA,NJ
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin	CT,NH,NY,ME,NC,VA,NJ
Endrin [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin Aldehyde	CT,NH,NY,ME,NC,VA,NJ
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA,NJ
Heptachlor [2C]	CT,NH,NY,ME,NC,VA,NJ
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA,NJ
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA,NJ
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA,NJ
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA,NJ
Toxaphene	CT,NH,NY,ME,NC,VA,NJ
Toxaphene [2C]	CT,NH,NY,ME,NC,VA,NJ
<i>SW-846 8081B in Water</i>	
Alachlor	NC

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Water	
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA,NJ
Aldrin [2C]	CT,NH,NY,ME,NC,VA,NJ
alpha-BHC	CT,NH,NY,ME,NC,VA,NJ
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
beta-BHC	CT,NH,NY,ME,NC,VA,NJ
beta-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
delta-BHC	CT,NH,NY,ME,NC,VA,NJ
delta-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA,NJ
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA,NJ
Chlordane	CT,NH,NY,ME,NC,VA,NJ
Chlordane [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDD	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDE	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDT	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA,NJ
Dieldrin	CT,NH,NY,ME,NC,VA,NJ
Dieldrin [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan I	CT,NH,NY,ME,NC,VA,NJ
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan II	CT,NH,NY,ME,NC,VA,NJ
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA,NJ
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin	CT,NH,NY,ME,NC,VA,NJ
Endrin [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin Aldehyde	CT,NH,NY,ME,NC,VA,NJ
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA,NJ
Heptachlor [2C]	CT,NH,NY,ME,NC,VA,NJ
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA,NJ
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA,NJ
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA,NJ
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA,NJ
Toxaphene	CT,NH,NY,ME,NC,VA,NJ
Toxaphene [2C]	CT,NH,NY,ME,NC,VA,NJ
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,NJ

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1221	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
<i>SW-846 8260C in Soil</i>	
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
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)	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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
<i>SW-846 8260C in Water</i>	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,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	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	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	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,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	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	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	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
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
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,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
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	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
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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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
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
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
<i>SW-846 8270D in Water</i>	
Acenaphthene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
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
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
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
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
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 9014 in Soil	
Cyanide	NY,CT,NC,ME,NH,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

CHAIN OF CUSTODY RECORD

con-test
ANALYTICAL LABORATORY

Company Name: Conestoga Rovers & Associates
Address: 45 Farmington Valley Dr
Plainville CT 06062
Attention: Kathy Shaw
Project Location: UI - Baird
Sampled By: S. Daly

Telephone: 860 747 1800
Project # 83167
Client PO#

DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE

Fax #
Email:
Format: PDF EXCEL GIS
 OTHER "Enhanced Data Package"

Con. Test Lab ID <small>(laboratory use only)</small>	Client Sample ID / Description	Collection		Composite	Matrix Code	Conc Code
		Beginning Date/Time	Ending Date/Time			
01	50-83167-050615-SD-007	5/8/15	1020	X	S	G
02	50-83167-050615-SD-008		1150	X	S	G
03	50-83167-050615-SD-009		1500	X	S	G
04	50-83167-050615-SD-010		1515	X	S	G
05	50-83167-050715-SD-011	5/7/15	0940	X	S	G
06	50-83167-050715-SD-012		1135	X	S	G
07	50-83167-050815-SD-013	5/8/15	0830	X	S	G
08	50-83167-050815-SD-014		1150	X	S	G

Comments:

Relinquished by: (signature) <u>S. Daly</u>	Date/Time: 5/8/15 1228
Received by: (signature) <u>K. Shaw</u>	Date/Time: 12:30
Relinquished by: (signature) <u>K. Shaw</u>	Date/Time: 11:15
Received by: (signature) <u>Robert Shaw</u>	Date/Time: 5/8/15 1715

Turnaround #	7-Day <input type="checkbox"/>	10-Day <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
RUSH ¹	<input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 14-Day <input type="checkbox"/> Require lab approval		

Detection Limit Requirements	Massachusetts: _____
	Connecticut: _____
	Other: _____

Is your project MCP or RCP?

MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID # _____

Accredited

 NELAP & AIHA-LAP, LLC
 Accredited
WBE/DBE Certified

# of Containers	** Preservation	*** Container Code	ANALYSIS REQUESTED													
			Disolved Metals													
			<input type="radio"/> Field Filtered													
			<input type="radio"/> Lab to Filter													
			*** Cont. Code:													
			A=amber glass													
			G=glass													
			P=plastic													
			ST=sterile													
			V=vial													
			S=Summa can													
			T=tedlar bag													
			O=Other													
			** Preservation													
			I=iced													
			H=HCL													
			M=Methanol													
			N=Nitric Acid													
			S=Sulfuric Acid													
			B=Sodium bisulfate													
			X=Na hydroxide													
			T=Na thiosulfate													
			O=Other													
			*Matrix Code:													
			GW=gro undwater													
			WW=wastewater													
			DW=drinking water													
			A=air													
			S=soil/solid													
			SL=sludge													
			O=other													

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

CHAIN OF CUSTODY RECORD

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

Company Name: Contestona Rovers & Associates
Address: 45 Farmington Valley Dr.
Plainville CT 06062
Attention: Kathy Shaw
Telephone: 860 747-1800
Project # 83167
Client PO# _____

Project Location: UI- Baird Substation
Sampled By: S. Daly
Project PO# _____
DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE
Format: PDF EXCEL GIS
 OTHER "Enhanced Data Package"

Con-Test Lab ID <small>(Laboratory use only)</small>	Client Sample ID / Description	Collection		*Matrix Code	Conc Date
		Beginning Date/Time	Ending Date/Time		
09	GW-83167-050815-SD-001	5/8/15	10:00	GW	
10	Trip Blank	-	-	DI	

Project Proposal Provided? (for billing purposes)
 yes no
proposal date _____

Con-Test Lab ID	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	ANALYSIS REQUESTED										
						VOCs	Oil & Grease	PCBs	SVOCs	Total RCHA & Metals	Chloride	Pesticides	Herbicides	Total & Amenable Hydro	TSS	Ammonia - Nitrogen
09	GW-83167-050815-SD-001	5/8/15	10:00		X	X	X	X	X	X	X	X	X	X	X	X
10	Trip Blank	-	-		-											

Comments: _____

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Is your project MCP or RCP?

MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID # _____

Detection Limit Requirements

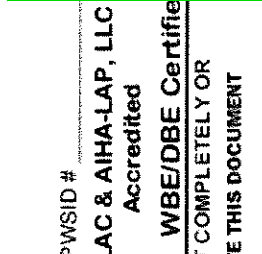
Massachusetts: _____
 Connecticut: _____
 Other: _____

Turnaround

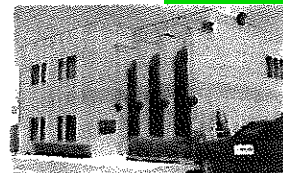
7-Day
 10-Day
 Other
 RUSH 24-Hr 48-Hr
 72-Hr 14-Day
 Require lab approval

Signature: _____ Date/Time: 5/8/15 12:28
 Signature: _____ Date/Time: 5/8/15 12:30
 Signature: _____ Date/Time: 5/8/15 17:25
 Signature: _____ Date/Time: 5/8/15 17:15

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Conestoga Rovers RECEIVED BY: JDL DATE: 5/8/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain: MeOH vial 50...-014 mislabeled as MeOH 50...-015
- 3) Are all the samples in good condition? Yes No
 If not, explain:

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.3

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified David Date 5/8/15 Time 1715

7) Location where samples are stored:

19

Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber	10	8 oz amber/clear jar	8
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic	1	Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic	3	Non-ConTest Container	
40 mL Vial - type listed below	30	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar 16 oz	8
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl <u>6</u>	# Methanol <u>8</u>	Time and Date Frozen: <u>5/8/15 1715</u>
Doc# 277 # Bisulfate _____	# DI Water <u>16</u>	
Rev. 4 August 2013 # Thiosulfate _____	Unpreserved _____	

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	F	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials: JDL

Date/Time:

Date/Time: 5/8/15 175

D:\HPCHEM1\DATA\A052115\A0521006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 5/21/15
 Data File Name A0521006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	0.96	408039	439529	-7
c - 10	1.30	430169	439529	-2
c - 12	2.03	433751	439529	-1
c - 14	2.69	441398	439529	0
c - 16	3.29	451886	439529	3
c - 18	3.86	457765	439529	4
o-Terphenyl	4.12	541227	439529	
c - 20	4.46	453857	439529	3
c - 22	5.00	457297	439529	4
c - 24	5.45	429171	439529	-2
c - 26	5.85	450717	439529	3
c - 28	6.21	445361	439529	1
c - 30	6.54	447582	439529	2
c - 32	7.15	434891	439529	-1
c - 34	7.15	434891	439529	-1
c - 36	7.42	416158	439529	-5

* One compound allowed %D <= 50%

Samples

15E0619-01
 15E0619-02
 15E0619-03
 15E0619-04
 15E0619-05
 15E0619-06
 15E0619-10
 15E0619-11
 15E0619-07@5X
 15E0619-09@5X

D:\HPCHEM\1\DATA\A052115.SEC\A0521007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 5/21/15
 Data File Name A0521007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.18	479572	491973	-3
c - 10	1.53	503587	491973	2
c - 12	2.26	500595	491973	2
c - 14	2.92	499372	491973	2
c - 16	3.52	504056	491973	2
c - 18	4.10	506342	491973	3
o-Terphenyl	4.41	590353	491973	
c - 20	4.72	498261	491973	1
c - 22	5.23	500087	491973	2
c - 24	5.67	467488	491973	-5
c - 26	6.06	486942	491973	-1
c - 28	6.42	479983	491973	-2
c - 30	6.75	490523	491973	0
c - 32	7.06	497315	491973	1
c - 34	7.35	491790	491973	0
c - 36	7.64	473675	491973	-4

* One compound allowed %D < /= 50%

Samples

15E0367-02
 15E0367-03
 15E0367-04
 15E0367-05
 15E0367-06
 15E0367-08
 15E0619-12@5X
 15E0619-13@10X
 15E0367-01@10X
 15E0367-07@10X

May 20, 2015

Kathy Shaw - CRA
United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Project Location: UI - Baird
Client Job Number:
Project Number: 83167
Laboratory Work Order Number: 15E0520

Enclosed are results of analyses for samples received by the laboratory on May 12, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

Table of Contents

Sample Summary	4
Case Narrative	5
Sample Results	8
15E0520-01	8
15E0520-02	21
Sample Preparation Information	32
QC Data	35
Volatile Organic Compounds by GC/MS	35
B121645	35
Semivolatile Organic Compounds by GC/MS	38
B121911	38
Organochloride Pesticides by GC/ECD	43
B121922	43
Polychlorinated Biphenyls By GC/ECD	46
B121921	46
Herbicides by GC/ECD	47
B121597	47
Petroleum Hydrocarbons Analyses	49
B121901	49
Metals Analyses (Total)	50
B121943	50
B121950	50
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	51
B121587	51
B121763	51
B121764	51

Table of Contents (continued)

B121773	51
B121781	51
B121791	52
TCLP - Metals Analyses	53
B121914	53
B121924	53
Pesticides Degradation Report	54
Dual Column RPD Report	55
Flag/Qualifier Summary	66
Certifications	67
Chain of Custody/Sample Receipt	73

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

United Illuminating Company
 180 Marsh Hill Road
 Orange, CT 06477
 ATTN: Kathy Shaw - CRA

REPORT DATE: 5/20/2015

PURCHASE ORDER NUMBER: 4500424931-10

PROJECT NUMBER: 83167

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0520

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

PROJECT LOCATION: UI - Baird

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SO-83167-051115-SD-015	15E0520-01	Soil		CTDEP ETPH SM 2540G SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D	
SO-83167-051115-SD-016	15E0520-02	Soil		CTDEP ETPH SM 2540G SM21-22 2510B Modified SW-846 1010 SW-846 1311 SW-846 6010C SW-846 7470A SW-846 7471B SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C	

CASE NARRATIVE SUMMARY

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

For method 8151, samples were derivatized on 05/14/15.

For method 8151, sample analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332
SW-846 8081B

Qualifications:**P-02**

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:**4,4'-DDT [2C]**

15E0520-01[SO-83167-051115-SD-015]

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Endrin [2C]**

B121922-BS1, B121922-BSD1

SW-846 8260C

Qualifications:**L-03**

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

B121645-BS1

trans-1,3-Dichloropropene

B121645-BS1

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:**2,2-Dichloropropane**

15E0520-01[SO-83167-051115-SD-015], 15E0520-02[SO-83167-051115-SD-016], B121645-BLK1, B121645-BS1

trans-1,3-Dichloropropene

15E0520-01[SO-83167-051115-SD-015], 15E0520-02[SO-83167-051115-SD-016], B121645-BLK1, B121645-BS1

SW-846 8270D

Qualifications:**E**

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:**Fluoranthene**

15E0520-01[SO-83167-051115-SD-015]

Phenanthrene

15E0520-01[SO-83167-051115-SD-015]

Pyrene

15E0520-01[SO-83167-051115-SD-015]

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol**

B121911-BSD1

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**

15E0520-01[SO-83167-051115-SD-015], 15E0520-01RE1[SO-83167-051115-SD-015], 15E0520-02[SO-83167-051115-SD-016], B121911-BLK1, B121911-BS1, B121911-BSD1

SW-846 9045C

Qualifications:

H-03

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:**pH**

15E0520-02[SO-83167-051115-SD-016], B121587-DUP3

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.



Daren J. Damboragian
Laboratory Manager

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

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	0.086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Acrylonitrile	ND	0.0052	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Bromoform	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Bromomethane	ND	0.0086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
2-Butanone (MEK)	ND	0.035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Carbon Disulfide	ND	0.035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Chlorodibromomethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Chloroform	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Chloromethane	ND	0.0086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,2-Dibromoethane (EDB)	ND	0.00086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
trans-1,4-Dichloro-2-butene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,1-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
trans-1,2-Dichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,3-Dichloropropane	ND	0.00086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
2,2-Dichloropropane	ND	0.0035	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,1-Dichloropropene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
cis-1,3-Dichloropropene	ND	0.00086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
trans-1,3-Dichloropropene	ND	0.0035	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Isopropylbenzene (Cumene)	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

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	5/13/15	5/14/15 1:05	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Naphthalene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
n-Propylbenzene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.00086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Tetrachloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Tetrahydrofuran	ND	0.0086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,1,2-Trichloroethane	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Trichloroethylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Vinyl Chloride	ND	0.0086	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
m+p Xylene	ND	0.0035	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:05	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		122	70-130					5/14/15 1:05	
Toluene-d8		107	70-130					5/14/15 1:05	
4-Bromofluorobenzene		91.6	70-130					5/14/15 1:05	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.38	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Acenaphthene	ND	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Acenaphthylene	0.49	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Acenaphthylene	ND	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Acetophenone	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Acetophenone	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Aniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Anthracene	1.7	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Anthracene	2.0	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Benzidine	ND	0.77	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Benzidine	ND	3.1	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Benzo(a)anthracene	4.2	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Benzo(a)anthracene	5.1	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Benzo(a)pyrene	3.4	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Benzo(a)pyrene	4.0	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Benzo(b)fluoranthene	4.5	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Benzo(b)fluoranthene	5.4	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Benzo(g,h,i)perylene	2.0	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Benzo(g,h,i)perylene	2.3	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Benzo(k)fluoranthene	1.8	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Benzo(k)fluoranthene	2.2	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Benzoic Acid	ND	1.2	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Benzoic Acid	ND	4.7	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Bis(2-chloroethoxy)methane	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Bis(2-chloroethyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Bis(2-chloroisopropyl)ether	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Bis(2-Ethylhexyl)phthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
4-Bromophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Butylbenzylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Carbazole	0.91	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Carbazole	1.0	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
4-Chloroaniline	ND	3.1	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
4-Chloro-3-methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
4-Chloro-3-methylphenol	ND	3.1	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2-Chloronaphthalene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2-Chlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
4-Chlorophenylphenylether	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Chrysene	4.6	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Chrysene	5.4	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Dibenz(a,h)anthracene	0.58	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Dibenz(a,h)anthracene	ND	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Dibenzofuran	0.46	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Dibenzofuran	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Di-n-butylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
1,2-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
1,2-Dichlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
1,3-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
1,3-Dichlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
1,4-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
1,4-Dichlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
3,3-Dichlorobenzidine	ND	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2,4-Dichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Diethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2,4-Dimethylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Dimethylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
4,6-Dinitro-2-methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2,4-Dinitrophenol	ND	3.1	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2,4-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2,6-Dinitrotoluene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Di-n-octylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Di-n-octylphthalate	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Fluoranthene	10	0.20	mg/Kg dry	1	E	SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Fluoranthene	12	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Fluorene	1.1	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Fluorene	1.4	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Hexachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Hexachlorobutadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Hexachloroethane	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Indeno(1,2,3-cd)pyrene	2.1	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Indeno(1,2,3-cd)pyrene	2.6	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Isophorone	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
1-Methylnaphthalene	0.37	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
1-Methylnaphthalene	ND	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2-Methylnaphthalene	0.34	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2-Methylnaphthalene	ND	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
3/4-Methylphenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Naphthalene	0.21	0.20	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Naphthalene	ND	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
3-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
4-Nitroaniline	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Nitrobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2-Nitrophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
4-Nitrophenol	ND	3.1	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
N-Nitrosodimethylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
N-Nitrosodimethylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
N-Nitrosodiphenylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
N-Nitrosodi-n-propylamine	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1	V-16	SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Pentachloronitrobenzene	ND	1.6	mg/Kg dry	4	V-16	SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Pentachlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Phenanthrene	11	0.20	mg/Kg dry	1	E	SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Phenanthrene	13	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Phenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Pyrene	10	0.20	mg/Kg dry	1	E	SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Pyrene	12	0.79	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
Pyridine	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
1,2,4,5-Tetrachlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
1,2,4-Trichlorobenzene	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2,4,5-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:19	CMR
2,4,6-Trichlorophenol	ND	1.6	mg/Kg dry	4		SW-846 8270D	5/16/15	5/19/15 11:06	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	67.4	30-130	5/18/15 17:19
2-Fluorophenol	77.2	30-130	5/19/15 11:06
Phenol-d6	73.8	30-130	5/18/15 17:19
Phenol-d6	89.4	30-130	5/19/15 11:06
Nitrobenzene-d5	73.4	30-130	5/18/15 17:19
Nitrobenzene-d5	82.1	30-130	5/19/15 11:06
2-Fluorobiphenyl	79.5	30-130	5/18/15 17:19
2-Fluorobiphenyl	99.3	30-130	5/19/15 11:06
2,4,6-Tribromophenol	87.6	30-130	5/18/15 17:19
2,4,6-Tribromophenol	105	30-130	5/19/15 11:06
p-Terphenyl-d14	97.2	30-130	5/18/15 17:19
p-Terphenyl-d14	108	30-130	5/19/15 11:06

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Aldrin [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
alpha-BHC [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
beta-BHC [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
delta-BHC [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
gamma-BHC (Lindane) [1]	ND	0.0022	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Chlordane [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
4,4'-DDD [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
4,4'-DDE [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
4,4'-DDT [2]	0.0091	0.0045	mg/Kg dry	1	P-02	SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Dieldrin [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Endosulfan I [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Endosulfan II [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Endosulfan sulfate [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Endrin [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Endrin aldehyde [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Endrin ketone [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Heptachlor [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Heptachlor epoxide [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Hexachlorobenzene [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Methoxychlor [1]	ND	0.056	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 20:53	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		66.6	30-150					5/18/15 20:53	
Decachlorobiphenyl [2]		115	30-150					5/18/15 20:53	
Tetrachloro-m-xylene [1]		67.1	30-150					5/18/15 20:53	
Tetrachloro-m-xylene [2]		68.4	30-150					5/18/15 20:53	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/16/15	5/19/15 2:32	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:32	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:32	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:32	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:32	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:32	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:32	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:32	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:32	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		91.7	30-150					5/19/15 2:32	
Decachlorobiphenyl [2]		107	30-150					5/19/15 2:32	
Tetrachloro-m-xylene [1]		89.2	30-150					5/19/15 2:32	
Tetrachloro-m-xylene [2]		83.1	30-150					5/19/15 2:32	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	30	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:04	JMB
2,4,5-TP (Silvex) [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:04	JMB
2,4,5-T [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:04	JMB
Dalapon [1]	ND	75	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:04	JMB
Dicamba [1]	ND	3.0	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:04	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		94.7	30-150					5/15/15 2:04	
2,4-Dichlorophenylacetic acid [2]		94.8	30-150					5/15/15 2:04	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	280	57	mg/Kg dry	5		CTDEP ETPH	5/16/15	5/19/15 12:27	PJG
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
o-Terphenyl	78.9		50-150			5/19/15 12:27			

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:13	MJH
Barium	44	2.8	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:13	MJH
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:13	MJH
Chromium	11	0.56	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:13	MJH
Lead	28	0.84	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:13	MJH
Mercury	0.038	0.030	mg/Kg dry	1		SW-846 7471B	5/18/15	5/19/15 14:08	SCB
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:13	MJH
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:13	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

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	83.0		% Wt	1		SM 2540G	5/14/15	5/15/15 9:41	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-015

Sampled: 5/11/2015 08:30

Sample ID: 15E0520-01

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:52	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/16/15	5/18/15 10:25	SCB
Barium	0.43	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:52	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:52	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:52	MJH
Lead	0.043	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:52	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:52	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:52	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

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	0.10	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Acrylonitrile	ND	0.0063	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
2-Butanone (MEK)	ND	0.042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Carbon Disulfide	ND	0.042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Chlorodibromomethane	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Chloroform	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,1-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
trans-1,2-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
2,2-Dichloropropane	ND	0.0042	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,1-Dichloropropene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
trans-1,3-Dichloropropene	ND	0.0042	mg/Kg dry	1	V-05	SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Isopropylbenzene (Cumene)	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

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	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Naphthalene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
n-Propylbenzene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,1,1,2-Tetrachloroethane	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Tetrachloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,1,2-Trichloroethane	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Trichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
m+p Xylene	ND	0.0042	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	5/13/15	5/14/15 1:32	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		123	70-130					5/14/15 1:32	
Toluene-d8		107	70-130					5/14/15 1:32	
4-Bromofluorobenzene		90.6	70-130					5/14/15 1:32	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

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	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Benzidine	ND	0.70	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Benzoic Acid	ND	1.1	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
4-Chloroaniline	ND	0.70	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
4-Chloro-3-methylphenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
4-Chlorophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Fluoranthene	0.18	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Hexachlorocyclopentadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
1-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
3-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
4-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
4-Nitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
N-Nitrosodimethylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
N-Nitrosodiphenylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
N-Nitrosodi-n-propylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Pentachloronitrobenzene	ND	0.36	mg/Kg dry	1	V-16	SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Pyrene	0.19	0.18	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Pyridine	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	5/16/15	5/18/15 17:43	CMR
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		46.8	30-130					5/18/15 17:43	
Phenol-d6		56.8	30-130					5/18/15 17:43	
Nitrobenzene-d5		48.5	30-130					5/18/15 17:43	
2-Fluorobiphenyl		66.2	30-130					5/18/15 17:43	
2,4,6-Tribromophenol		88.0	30-130					5/18/15 17:43	
p-Terphenyl-d14		92.7	30-130					5/18/15 17:43	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Aldrin [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
alpha-BHC [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
beta-BHC [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
delta-BHC [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
gamma-BHC (Lindane) [1]	ND	0.0022	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Chlordane [1]	ND	0.022	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
4,4'-DDD [1]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
4,4'-DDE [1]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
4,4'-DDT [1]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Dieldrin [1]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Endosulfan I [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Endosulfan II [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Endosulfan sulfate [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Endrin [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Endrin aldehyde [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Endrin ketone [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Heptachlor [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Heptachlor epoxide [1]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Hexachlorobenzene [1]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Methoxychlor [1]	ND	0.055	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081B	5/16/15	5/18/15 21:15	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		71.7	30-150					5/18/15 21:15	
Decachlorobiphenyl [2]		89.9	30-150					5/18/15 21:15	
Tetrachloro-m-xylene [1]		69.4	30-150					5/18/15 21:15	
Tetrachloro-m-xylene [2]		72.3	30-150					5/18/15 21:15	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

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	5/16/15	5/19/15 2:45	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:45	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:45	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:45	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:45	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:45	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:45	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:45	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/16/15	5/19/15 2:45	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		90.7	30-150					5/19/15 2:45	
Decachlorobiphenyl [2]		95.8	30-150					5/19/15 2:45	
Tetrachloro-m-xylene [1]		85.2	30-150					5/19/15 2:45	
Tetrachloro-m-xylene [2]		81.3	30-150					5/19/15 2:45	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	28	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:54	JMB
2,4,5-TP (Silvex) [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:54	JMB
2,4,5-T [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:54	JMB
Dalapon [1]	ND	69	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:54	JMB
Dicamba [1]	ND	2.8	µg/kg dry	1		SW-846 8151A	5/13/15	5/15/15 2:54	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2,4-Dichlorophenylacetic acid [1]		89.1	30-150					5/15/15 2:54	
2,4-Dichlorophenylacetic acid [2]		88.9	30-150					5/15/15 2:54	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	15	11	mg/Kg dry	1		CTDEP ETPH	5/16/15	5/19/15 10:41	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
o-Terphenyl		72.4	50-150					5/19/15 10:41	

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:17	MJH
Barium	15	2.7	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:17	MJH
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:17	MJH
Chromium	5.0	0.54	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:17	MJH
Lead	7.0	0.81	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:17	MJH
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	5/18/15	5/19/15 14:10	SCB
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:17	MJH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	5/18/15	5/19/15 14:17	MJH

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

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
Cyanide	ND	0.39	mg/Kg dry	1		SW-846 9014	5/14/15	5/15/15 12:50	VAK
Flashpoint	> 212 °F		°F	1		SW-846 1010	5/14/15	5/14/15 22:30	DJM
pH @23.6°C	5.8		pH Units	1	H-03	SW-846 9045C	5/13/15	5/13/15 8:15	LL
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	5/14/15	5/15/15 12:05	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	5/14/15	5/15/15 15:00	DJM
Specific conductance	2.8	2.0	µmhos/cm	1		SM21-22 2510B Modified	5/14/15	5/14/15 18:00	AG
% Solids	90.0		% Wt	1		SM 2540G	5/14/15	5/15/15 9:41	MRL

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

Project Location: UI - Baird

Sample Description:

Work Order: 15E0520

Date Received: 5/12/2015

Field Sample #: SO-83167-051115-SD-016

Sampled: 5/11/2015 11:40

Sample ID: 15E0520-02

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:57	MJH
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	5/16/15	5/18/15 10:26	SCB
Barium	0.079	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:57	MJH
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:57	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:57	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:57	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:57	MJH
Silver	ND	0.0050	mg/L	1		SW-846 6010C	5/16/15	5/18/15 20:57	MJH

Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121901	31.5	1.00	05/16/15
15E0520-02 [SO-83167-051115-SD-016]	B121901	31.2	1.00	05/16/15

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0520-01 [SO-83167-051115-SD-015]	B121783	05/14/15
15E0520-02 [SO-83167-051115-SD-016]	B121783	05/14/15

SM21-22 2510B Modified

Lab Number [Field ID]	Batch	Initial [g]	Date
15E0520-02 [SO-83167-051115-SD-016]	B121781	1.00	05/14/15

SW-846 1010

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-02 [SO-83167-051115-SD-016]	B121791	50.0	50.0	05/14/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121950	1.07	50.0	05/18/15
15E0520-02 [SO-83167-051115-SD-016]	B121950	1.03	50.0	05/18/15

Prep Method: SW-846 3010A-SW-846 6010C

Leachates were extracted on 5/15/2015 per SW-846 1311 in Batch B121815

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121924	50.0	50.0	05/16/15
15E0520-02 [SO-83167-051115-SD-016]	B121924	50.0	50.0	05/16/15

Prep Method: SW-846 7470A Prep-SW-846 7470A

Leachates were extracted on 5/15/2015 per SW-846 1311 in Batch B121815

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121914	6.00	6.00	05/16/15
15E0520-02 [SO-83167-051115-SD-016]	B121914	6.00	6.00	05/16/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121943	0.604	50.0	05/18/15
15E0520-02 [SO-83167-051115-SD-016]	B121943	0.624	50.0	05/18/15

Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121922	10.7	10.0	05/16/15
15E0520-02 [SO-83167-051115-SD-016]	B121922	10.1	10.0	05/16/15

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121921	10.7	10.0	05/16/15
15E0520-02 [SO-83167-051115-SD-016]	B121921	10.1	10.0	05/16/15

Prep Method: SW-846 8151-SW-846 8151A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121597	20.0	5.00	05/13/15
15E0520-02 [SO-83167-051115-SD-016]	B121597	20.1	5.00	05/13/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121645	6.97	10.0	05/13/15
15E0520-02 [SO-83167-051115-SD-016]	B121645	5.30	10.0	05/13/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-01 [SO-83167-051115-SD-015]	B121911	31.0	1.00	05/16/15
15E0520-01RE1 [SO-83167-051115-SD-015]	B121911	31.0	1.00	05/16/15
15E0520-02 [SO-83167-051115-SD-016]	B121911	31.6	1.00	05/16/15

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-02 [SO-83167-051115-SD-016]	B121763	25.2	250	05/14/15

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-02 [SO-83167-051115-SD-016]	B121773	1.44	50.0	05/14/15

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0520-02 [SO-83167-051115-SD-016]	B121764	25.2	250	05/14/15

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

Sample Extraction Data

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
15E0520-02 [SO-83167-051115-SD-016]	B121587	20.0	05/13/15

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

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 B121645 - SW-846 5035

Blank (B121645-BLK1)

Prepared & Analyzed: 05/13/15

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	0.040	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0040	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	0.0040	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	0.0040	mg/Kg wet							V-05
1,1-Dichloropropene	ND	0.0040	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0040	mg/Kg wet							V-05
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	0.0040	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	0.0040	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0040	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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 B121645 - SW-846 5035

Blank (B121645-BLK1)

Prepared & Analyzed: 05/13/15

Tetrachloroethylene	ND	0.0040	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	0.0040	mg/Kg wet							
Trichloroethylene	ND	0.0040	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	0.0584		mg/Kg wet	0.0500		117	70-130			
Surrogate: Toluene-d8	0.0547		mg/Kg wet	0.0500		109	70-130			
Surrogate: 4-Bromofluorobenzene	0.0462		mg/Kg wet	0.0500		92.4	70-130			

LCS (B121645-BS1)

Prepared & Analyzed: 05/13/15

Acetone	0.254	0.10	mg/Kg wet	0.200		127	70-130			
Acrylonitrile	0.0226	0.0060	mg/Kg wet	0.0200		113	70-130			
Benzene	0.0241	0.0020	mg/Kg wet	0.0200		121	70-130			
Bromobenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130			
Bromodichloromethane	0.0192	0.0020	mg/Kg wet	0.0200		96.0	70-130			
Bromoform	0.0142	0.0020	mg/Kg wet	0.0200		70.9	70-130			
Bromomethane	0.0224	0.010	mg/Kg wet	0.0200		112	70-130			
2-Butanone (MEK)	0.212	0.040	mg/Kg wet	0.200		106	70-130			
n-Butylbenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.3	70-130			
sec-Butylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130			
tert-Butylbenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.7	70-130			
Carbon Disulfide	0.233	0.040	mg/Kg wet	0.200		116	70-130			
Carbon Tetrachloride	0.0146	0.0020	mg/Kg wet	0.0200		73.0	70-130			
Chlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
Chlorodibromomethane	0.0163	0.0040	mg/Kg wet	0.0200		81.7	70-130			
Chloroethane	0.0227	0.020	mg/Kg wet	0.0200		114	70-130			
Chloroform	0.0226	0.0040	mg/Kg wet	0.0200		113	70-130			
Chloromethane	0.0209	0.010	mg/Kg wet	0.0200		105	70-130			
2-Chlorotoluene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
4-Chlorotoluene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130			
1,2-Dibromoethane (EDB)	0.0187	0.0010	mg/Kg wet	0.0200		93.3	70-130			
Dibromomethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
1,2-Dichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.1	70-130			
1,3-Dichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.1	70-130			
1,4-Dichlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130			
trans-1,4-Dichloro-2-butene	0.0159	0.0040	mg/Kg wet	0.0200		79.3	70-130			
Dichlorodifluoromethane (Freon 12)	0.0179	0.020	mg/Kg wet	0.0200		89.5	70-130			
1,1-Dichloroethane	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130			
1,2-Dichloroethane	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
1,1-Dichloroethylene	0.0211	0.0040	mg/Kg wet	0.0200		106	70-130			

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 B121645 - SW-846 5035										
LCS (B121645-BS1)										
Prepared & Analyzed: 05/13/15										
cis-1,2-Dichloroethylene	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130			
trans-1,2-Dichloroethylene	0.0227	0.0040	mg/Kg wet	0.0200		114	70-130			
1,2-Dichloropropane	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
1,3-Dichloropropane	0.0198	0.0010	mg/Kg wet	0.0200		98.8	70-130			
2,2-Dichloropropane	0.0108	0.0040	mg/Kg wet	0.0200		53.9	70-130	*		L-03, V-05
1,1-Dichloropropene	0.0219	0.0040	mg/Kg wet	0.0200		110	70-130			
cis-1,3-Dichloropropene	0.0154	0.0010	mg/Kg wet	0.0200		76.8	70-130			
trans-1,3-Dichloropropene	0.0120	0.0040	mg/Kg wet	0.0200		60.1	70-130	*		L-03, V-05
Ethylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Hexachlorobutadiene	0.0170	0.0020	mg/Kg wet	0.0200		85.1	70-130			
2-Hexanone (MBK)	0.205	0.020	mg/Kg wet	0.200		103	70-130			
Isopropylbenzene (Cumene)	0.0189	0.0040	mg/Kg wet	0.0200		94.3	70-130			
p-Isopropyltoluene (p-Cymene)	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		92.8	70-130			
Methylene Chloride	0.0237	0.020	mg/Kg wet	0.0200		118	70-130			
4-Methyl-2-pentanone (MIBK)	0.202	0.020	mg/Kg wet	0.200		101	70-130			
Naphthalene	0.0149	0.0040	mg/Kg wet	0.0200		74.7	70-130			
n-Propylbenzene	0.0197	0.0040	mg/Kg wet	0.0200		98.4	70-130			
Styrene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
1,1,1,2-Tetrachloroethane	0.0145	0.0040	mg/Kg wet	0.0200		72.3	70-130			
1,1,2,2-Tetrachloroethane	0.0197	0.0010	mg/Kg wet	0.0200		98.7	70-130			
Tetrachloroethylene	0.0171	0.0040	mg/Kg wet	0.0200		85.7	70-130			
Tetrahydrofuran	0.0217	0.010	mg/Kg wet	0.0200		108	70-130			
Toluene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,2,3-Trichlorobenzene	0.0158	0.0020	mg/Kg wet	0.0200		78.8	70-130			
1,2,4-Trichlorobenzene	0.0154	0.0020	mg/Kg wet	0.0200		76.8	70-130			
1,1,1-Trichloroethane	0.0158	0.0020	mg/Kg wet	0.0200		79.1	70-130			
1,1,2-Trichloroethane	0.0190	0.0040	mg/Kg wet	0.0200		94.9	70-130			
Trichloroethylene	0.0192	0.0040	mg/Kg wet	0.0200		95.9	70-130			
Trichlorofluoromethane (Freon 11)	0.0232	0.010	mg/Kg wet	0.0200		116	70-130			
1,2,3-Trichloropropane	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0204	0.010	mg/Kg wet	0.0200		102	70-130			
1,2,4-Trimethylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130			
1,3,5-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
Vinyl Chloride	0.0213	0.010	mg/Kg wet	0.0200		106	70-130			
m+p Xylene	0.0425	0.0040	mg/Kg wet	0.0400		106	70-130			
o-Xylene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0600		mg/Kg wet	0.0500		120	70-130			
Surrogate: Toluene-d8	0.0548		mg/Kg wet	0.0500		110	70-130			
Surrogate: 4-Bromofluorobenzene	0.0477		mg/Kg wet	0.0500		95.5	70-130			

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 B121911 - SW-846 3546

Blank (B121911-BLK1)

Prepared: 05/16/15 Analyzed: 05/18/15

Acenaphthene	ND	0.16	mg/Kg wet							
Acenaphthylene	ND	0.16	mg/Kg wet							
Acetophenone	ND	0.33	mg/Kg wet							
Aniline	ND	0.33	mg/Kg wet							
Anthracene	ND	0.16	mg/Kg wet							
Benzdine	ND	0.64	mg/Kg wet							
Benzo(a)anthracene	ND	0.16	mg/Kg wet							
Benzo(a)pyrene	ND	0.16	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.16	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.16	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.16	mg/Kg wet							
Benzoic Acid	ND	0.97	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.33	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.33	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.33	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.33	mg/Kg wet							
4-Bromophenylphenylether	ND	0.33	mg/Kg wet							
Butylbenzylphthalate	ND	0.33	mg/Kg wet							
Carbazole	ND	0.16	mg/Kg wet							
4-Chloroaniline	ND	0.64	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.64	mg/Kg wet							
2-Chloronaphthalene	ND	0.33	mg/Kg wet							
2-Chlorophenol	ND	0.33	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.33	mg/Kg wet							
Chrysene	ND	0.16	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.16	mg/Kg wet							
Dibenzofuran	ND	0.33	mg/Kg wet							
Di-n-butylphthalate	ND	0.33	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.33	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.33	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.33	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.16	mg/Kg wet							
2,4-Dichlorophenol	ND	0.33	mg/Kg wet							
Diethylphthalate	ND	0.33	mg/Kg wet							
2,4-Dimethylphenol	ND	0.33	mg/Kg wet							
Dimethylphthalate	ND	0.33	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.33	mg/Kg wet							
2,4-Dinitrophenol	ND	0.64	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.33	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.33	mg/Kg wet							
Di-n-octylphthalate	ND	0.33	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.33	mg/Kg wet							
Fluoranthene	ND	0.16	mg/Kg wet							
Fluorene	ND	0.16	mg/Kg wet							
Hexachlorobenzene	ND	0.33	mg/Kg wet							
Hexachlorobutadiene	ND	0.33	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.33	mg/Kg wet							
Hexachloroethane	ND	0.33	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.16	mg/Kg wet							
Isophorone	ND	0.33	mg/Kg wet							
1-Methylnaphthalene	ND	0.16	mg/Kg wet							
2-Methylnaphthalene	ND	0.16	mg/Kg wet							

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 B121911 - SW-846 3546

Blank (B121911-BLK1)

Prepared: 05/16/15 Analyzed: 05/18/15

2-Methylphenol	ND	0.33	mg/Kg wet							
3/4-Methylphenol	ND	0.33	mg/Kg wet							
Naphthalene	ND	0.16	mg/Kg wet							
2-Nitroaniline	ND	0.33	mg/Kg wet							
3-Nitroaniline	ND	0.33	mg/Kg wet							
4-Nitroaniline	ND	0.33	mg/Kg wet							
Nitrobenzene	ND	0.33	mg/Kg wet							
2-Nitrophenol	ND	0.33	mg/Kg wet							
4-Nitrophenol	ND	0.64	mg/Kg wet							
N-Nitrosodimethylamine	ND	0.33	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.33	mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.33	mg/Kg wet							
Pentachloronitrobenzene	ND	0.33	mg/Kg wet							V-16
Pentachlorophenol	ND	0.33	mg/Kg wet							
Phenanthrene	ND	0.16	mg/Kg wet							
Phenol	ND	0.33	mg/Kg wet							
Pyrene	ND	0.16	mg/Kg wet							
Pyridine	ND	0.33	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND	0.33	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.33	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.33	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.33	mg/Kg wet							
Surrogate: 2-Fluorophenol	3.85		mg/Kg wet	6.45		59.7	30-130			
Surrogate: Phenol-d6	3.99		mg/Kg wet	6.45		61.8	30-130			
Surrogate: Nitrobenzene-d5	1.99		mg/Kg wet	3.23		61.8	30-130			
Surrogate: 2-Fluorobiphenyl	2.06		mg/Kg wet	3.23		63.9	30-130			
Surrogate: 2,4,6-Tribromophenol	5.23		mg/Kg wet	6.45		81.1	30-130			
Surrogate: p-Terphenyl-d14	2.73		mg/Kg wet	3.23		84.6	30-130			

LCS (B121911-BS1)

Prepared: 05/16/15 Analyzed: 05/18/15

Acenaphthene	1.24	0.16	mg/Kg wet	1.60		77.9	40-140			
Acenaphthylene	1.23	0.16	mg/Kg wet	1.60		76.8	40-140			
Acetophenone	1.20	0.33	mg/Kg wet	1.60		75.3	40-140			
Aniline	0.777	0.33	mg/Kg wet	1.60		48.6	40-140			†
Anthracene	1.28	0.16	mg/Kg wet	1.60		80.1	40-140			
Benzidine	1.70	0.63	mg/Kg wet	1.60		106	40-140			
Benzo(a)anthracene	1.32	0.16	mg/Kg wet	1.60		82.3	40-140			
Benzo(a)pyrene	1.30	0.16	mg/Kg wet	1.60		81.5	40-140			
Benzo(b)fluoranthene	1.32	0.16	mg/Kg wet	1.60		82.5	40-140			
Benzo(g,h,i)perylene	1.33	0.16	mg/Kg wet	1.60		83.5	40-140			
Benzo(k)fluoranthene	1.30	0.16	mg/Kg wet	1.60		81.1	40-140			
Benzoic Acid	0.326	0.96	mg/Kg wet	1.60		20.4	10-130			
Bis(2-chloroethoxy)methane	1.30	0.33	mg/Kg wet	1.60		81.6	40-140			
Bis(2-chloroethyl)ether	1.29	0.33	mg/Kg wet	1.60		80.8	40-140			
Bis(2-chloroisopropyl)ether	1.27	0.33	mg/Kg wet	1.60		79.7	40-140			
Bis(2-Ethylhexyl)phthalate	1.75	0.33	mg/Kg wet	1.60		109	40-140			
4-Bromophenylphenylether	1.36	0.33	mg/Kg wet	1.60		85.3	40-140			
Butylbenzylphthalate	1.45	0.33	mg/Kg wet	1.60		91.0	40-140			
Carbazole	1.30	0.16	mg/Kg wet	1.60		81.1	40-140			
4-Chloroaniline	0.812	0.63	mg/Kg wet	1.60		50.8	40-140			†
4-Chloro-3-methylphenol	1.34	0.63	mg/Kg wet	1.60		83.8	30-130			
2-Chloronaphthalene	1.14	0.33	mg/Kg wet	1.60		71.6	40-140			

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 B121911 - SW-846 3546										
LCS (B121911-BS1)										
					Prepared: 05/16/15 Analyzed: 05/18/15					
2-Chlorophenol	1.22	0.33	mg/Kg wet	1.60		76.3	30-130			
4-Chlorophenylphenylether	1.33	0.33	mg/Kg wet	1.60		83.5	40-140			
Chrysene	1.31	0.16	mg/Kg wet	1.60		81.9	40-140			
Dibenz(a,h)anthracene	1.37	0.16	mg/Kg wet	1.60		86.0	40-140			
Dibenzofuran	1.28	0.33	mg/Kg wet	1.60		80.1	40-140			
Di-n-butylphthalate	1.43	0.33	mg/Kg wet	1.60		89.3	40-140			
1,2-Dichlorobenzene	1.13	0.33	mg/Kg wet	1.60		70.7	40-140			
1,3-Dichlorobenzene	1.08	0.33	mg/Kg wet	1.60		67.5	40-140			
1,4-Dichlorobenzene	1.07	0.33	mg/Kg wet	1.60		67.1	40-140			
3,3-Dichlorobenzidine	1.21	0.16	mg/Kg wet	1.60		76.0	40-140			†
2,4-Dichlorophenol	1.24	0.33	mg/Kg wet	1.60		77.9	30-130			
Diethylphthalate	1.45	0.33	mg/Kg wet	1.60		90.6	40-140			
2,4-Dimethylphenol	1.18	0.33	mg/Kg wet	1.60		74.0	30-130			
Dimethylphthalate	1.35	0.33	mg/Kg wet	1.60		84.8	40-140			
4,6-Dinitro-2-methylphenol	0.869	0.33	mg/Kg wet	1.60		54.4	30-130			
2,4-Dinitrophenol	0.522	0.63	mg/Kg wet	1.60		32.7	30-130			
2,4-Dinitrotoluene	1.37	0.33	mg/Kg wet	1.60		86.0	40-140			
2,6-Dinitrotoluene	1.43	0.33	mg/Kg wet	1.60		89.4	40-140			
Di-n-octylphthalate	1.62	0.33	mg/Kg wet	1.60		102	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.41	0.33	mg/Kg wet	1.60		88.3	40-140			
Fluoranthene	1.26	0.16	mg/Kg wet	1.60		79.1	40-140			
Fluorene	1.28	0.16	mg/Kg wet	1.60		80.3	40-140			
Hexachlorobenzene	1.36	0.33	mg/Kg wet	1.60		85.2	40-140			
Hexachlorobutadiene	1.21	0.33	mg/Kg wet	1.60		75.9	40-140			
Hexachlorocyclopentadiene	0.988	0.33	mg/Kg wet	1.60		61.8	30-140			
Hexachloroethane	1.13	0.33	mg/Kg wet	1.60		70.7	40-140			
Indeno(1,2,3-cd)pyrene	1.42	0.16	mg/Kg wet	1.60		88.6	40-140			
Isophorone	1.37	0.33	mg/Kg wet	1.60		85.5	40-140			
1-Methylnaphthalene	1.11	0.16	mg/Kg wet	1.60		69.8	40-140			
2-Methylnaphthalene	1.20	0.16	mg/Kg wet	1.60		74.9	40-140			
2-Methylphenol	1.24	0.33	mg/Kg wet	1.60		77.4	30-130			
3/4-Methylphenol	1.32	0.33	mg/Kg wet	1.60		82.8	30-130			
Naphthalene	1.14	0.16	mg/Kg wet	1.60		71.2	40-140			
2-Nitroaniline	1.34	0.33	mg/Kg wet	1.60		83.9	40-140			
3-Nitroaniline	1.19	0.33	mg/Kg wet	1.60		74.5	40-140			†
4-Nitroaniline	1.19	0.33	mg/Kg wet	1.60		74.6	40-140			
Nitrobenzene	1.24	0.33	mg/Kg wet	1.60		77.6	40-140			
2-Nitrophenol	1.18	0.33	mg/Kg wet	1.60		73.7	30-130			
4-Nitrophenol	1.50	0.63	mg/Kg wet	1.60		93.8	10-130			
N-Nitrosodimethylamine	1.13	0.33	mg/Kg wet	1.60		70.6	40-140			
N-Nitrosodiphenylamine	1.72	0.33	mg/Kg wet	1.60		107	40-140			
N-Nitrosodi-n-propylamine	1.29	0.33	mg/Kg wet	1.60		80.6	40-140			
Pentachloronitrobenzene	1.43	0.33	mg/Kg wet	1.60		89.7	40-140			V-16
Pentachlorophenol	0.877	0.33	mg/Kg wet	1.60		54.9	30-130			
Phenanthrene	1.31	0.16	mg/Kg wet	1.60		81.8	40-140			
Phenol	1.31	0.33	mg/Kg wet	1.60		81.9	20-130			
Pyrene	1.36	0.16	mg/Kg wet	1.60		85.2	40-140			
Pyridine	0.819	0.33	mg/Kg wet	1.60		51.3	10-140			†
1,2,4,5-Tetrachlorobenzene	1.22	0.33	mg/Kg wet	1.60		76.1	40-140			
1,2,4-Trichlorobenzene	1.17	0.33	mg/Kg wet	1.60		73.3	40-140			
2,4,5-Trichlorophenol	1.28	0.33	mg/Kg wet	1.60		80.4	30-130			
2,4,6-Trichlorophenol	1.26	0.33	mg/Kg wet	1.60		79.1	30-130			

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 B121911 - SW-846 3546

LCS (B121911-BS1)

Prepared: 05/16/15 Analyzed: 05/18/15

Surrogate: 2-Fluorophenol	4.63		mg/Kg wet	6.39		72.5	30-130			
Surrogate: Phenol-d6	4.86		mg/Kg wet	6.39		76.0	30-130			
Surrogate: Nitrobenzene-d5	2.40		mg/Kg wet	3.19		75.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.43		mg/Kg wet	3.19		76.0	30-130			
Surrogate: 2,4,6-Tribromophenol	5.70		mg/Kg wet	6.39		89.2	30-130			
Surrogate: p-Terphenyl-d14	2.82		mg/Kg wet	3.19		88.4	30-130			

LCS Dup (B121911-BSD1)

Prepared: 05/16/15 Analyzed: 05/18/15

Acenaphthene	1.21	0.16	mg/Kg wet	1.59		75.9	40-140	2.92	30	
Acenaphthylene	1.20	0.16	mg/Kg wet	1.59		75.2	40-140	2.37	30	
Acetophenone	1.18	0.32	mg/Kg wet	1.59		74.2	40-140	1.84	30	
Aniline	0.748	0.32	mg/Kg wet	1.59		47.0	40-140	3.79	50	† ‡
Anthracene	1.24	0.16	mg/Kg wet	1.59		78.1	40-140	2.82	30	
Benzidine	1.35	0.63	mg/Kg wet	1.59		84.5	40-140	23.1	30	
Benzo(a)anthracene	1.28	0.16	mg/Kg wet	1.59		80.2	40-140	2.90	30	
Benzo(a)pyrene	1.28	0.16	mg/Kg wet	1.59		80.1	40-140	2.05	30	
Benzo(b)fluoranthene	1.29	0.16	mg/Kg wet	1.59		80.7	40-140	2.45	30	
Benzo(g,h,i)perylene	1.19	0.16	mg/Kg wet	1.59		74.6	40-140	11.6	30	
Benzo(k)fluoranthene	1.31	0.16	mg/Kg wet	1.59		82.0	40-140	0.833	30	
Benzoic Acid	0.287	0.96	mg/Kg wet	1.59		18.0	10-130	12.7	50	‡
Bis(2-chloroethoxy)methane	1.24	0.32	mg/Kg wet	1.59		78.1	40-140	4.70	30	
Bis(2-chloroethyl)ether	1.27	0.32	mg/Kg wet	1.59		79.8	40-140	1.51	30	
Bis(2-chloroisopropyl)ether	1.21	0.32	mg/Kg wet	1.59		75.9	40-140	5.18	30	
Bis(2-Ethylhexyl)phthalate	1.63	0.32	mg/Kg wet	1.59		102	40-140	6.99	30	
4-Bromophenylphenylether	1.26	0.32	mg/Kg wet	1.59		79.0	40-140	8.08	30	
Butylbenzylphthalate	1.36	0.32	mg/Kg wet	1.59		85.4	40-140	6.62	30	
Carbazole	1.28	0.16	mg/Kg wet	1.59		80.4	40-140	1.24	30	
4-Chloroaniline	0.826	0.63	mg/Kg wet	1.59		51.9	40-140	1.75	30	†
4-Chloro-3-methylphenol	1.29	0.63	mg/Kg wet	1.59		81.1	30-130	3.69	30	
2-Chloronaphthalene	1.15	0.32	mg/Kg wet	1.59		72.2	40-140	0.432	30	
2-Chlorophenol	1.18	0.32	mg/Kg wet	1.59		74.1	30-130	3.24	30	
4-Chlorophenylphenylether	1.29	0.32	mg/Kg wet	1.59		81.1	40-140	3.26	30	
Chrysene	1.29	0.16	mg/Kg wet	1.59		81.0	40-140	1.50	30	
Dibenz(a,h)anthracene	1.25	0.16	mg/Kg wet	1.59		78.5	40-140	9.49	30	
Dibenzofuran	1.25	0.32	mg/Kg wet	1.59		78.7	40-140	2.13	30	
Di-n-butylphthalate	1.36	0.32	mg/Kg wet	1.59		85.4	40-140	4.81	30	
1,2-Dichlorobenzene	1.12	0.32	mg/Kg wet	1.59		70.2	40-140	1.14	30	
1,3-Dichlorobenzene	1.05	0.32	mg/Kg wet	1.59		65.7	40-140	3.02	30	
1,4-Dichlorobenzene	1.07	0.32	mg/Kg wet	1.59		67.3	40-140	0.111	30	
3,3-Dichlorobenzidine	1.24	0.16	mg/Kg wet	1.59		77.8	40-140	2.05	30	† ‡
2,4-Dichlorophenol	1.22	0.32	mg/Kg wet	1.59		76.8	30-130	1.71	30	
Diethylphthalate	1.36	0.32	mg/Kg wet	1.59		85.5	40-140	6.14	30	
2,4-Dimethylphenol	1.14	0.32	mg/Kg wet	1.59		71.6	30-130	3.61	30	
Dimethylphthalate	1.31	0.32	mg/Kg wet	1.59		82.1	40-140	3.53	50	
4,6-Dinitro-2-methylphenol	0.814	0.32	mg/Kg wet	1.59		51.1	30-130	6.50	50	
2,4-Dinitrophenol	0.435	0.63	mg/Kg wet	1.59		27.3 *	30-130	18.2	50	L-07
2,4-Dinitrotoluene	1.32	0.32	mg/Kg wet	1.59		82.7	40-140	4.25	30	
2,6-Dinitrotoluene	1.39	0.32	mg/Kg wet	1.59		87.4	40-140	2.60	30	
Di-n-octylphthalate	1.55	0.32	mg/Kg wet	1.59		97.2	40-140	4.82	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.32	0.32	mg/Kg wet	1.59		82.8	40-140	6.77	30	
Fluoranthene	1.27	0.16	mg/Kg wet	1.59		79.5	40-140	0.236	30	
Fluorene	1.26	0.16	mg/Kg wet	1.59		79.4	40-140	1.45	30	

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

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 B121911 - SW-846 3546										
LCS Dup (B121911-BSD1)										
					Prepared: 05/16/15 Analyzed: 05/18/15					
Hexachlorobenzene	1.31	0.32	mg/Kg wet	1.59		82.0	40-140	4.14	30	
Hexachlorobutadiene	1.18	0.32	mg/Kg wet	1.59		74.2	40-140	2.50	30	
Hexachlorocyclopentadiene	0.928	0.32	mg/Kg wet	1.59		58.3	30-140	6.18	50	
Hexachloroethane	1.09	0.32	mg/Kg wet	1.59		68.2	40-140	3.92	50	
Indeno(1,2,3-cd)pyrene	1.24	0.16	mg/Kg wet	1.59		78.1	40-140	12.9	50	
Isophorone	1.33	0.32	mg/Kg wet	1.59		83.2	40-140	3.00	30	
1-Methylnaphthalene	1.08	0.16	mg/Kg wet	1.59		67.6	40-140	3.52	30	
2-Methylnaphthalene	1.17	0.16	mg/Kg wet	1.59		73.3	40-140	2.42	30	
2-Methylphenol	1.18	0.32	mg/Kg wet	1.59		74.2	30-130	4.51	30	
3/4-Methylphenol	1.26	0.32	mg/Kg wet	1.59		79.2	30-130	4.77	30	
Naphthalene	1.12	0.16	mg/Kg wet	1.59		70.1	40-140	1.82	30	
2-Nitroaniline	1.35	0.32	mg/Kg wet	1.59		84.6	40-140	0.512	30	
3-Nitroaniline	1.20	0.32	mg/Kg wet	1.59		75.4	40-140	0.882	30	†
4-Nitroaniline	1.20	0.32	mg/Kg wet	1.59		75.2	40-140	0.589	30	
Nitrobenzene	1.23	0.32	mg/Kg wet	1.59		77.4	40-140	0.655	30	
2-Nitrophenol	1.14	0.32	mg/Kg wet	1.59		71.8	30-130	2.85	30	
4-Nitrophenol	1.42	0.63	mg/Kg wet	1.59		89.1	10-130	5.42	50	‡
N-Nitrosodimethylamine	1.12	0.32	mg/Kg wet	1.59		70.5	40-140	0.546	30	
N-Nitrosodiphenylamine	1.63	0.32	mg/Kg wet	1.59		103	40-140	4.97	30	
N-Nitrosodi-n-propylamine	1.22	0.32	mg/Kg wet	1.59		76.9	40-140	5.09	30	
Pentachloronitrobenzene	1.32	0.32	mg/Kg wet	1.59		82.6	40-140	8.60	30	V-16
Pentachlorophenol	0.790	0.32	mg/Kg wet	1.59		49.6	30-130	10.5	50	
Phenanthrene	1.26	0.16	mg/Kg wet	1.59		79.1	40-140	3.72	30	
Phenol	1.27	0.32	mg/Kg wet	1.59		79.8	20-130	2.92	30	
Pyrene	1.24	0.16	mg/Kg wet	1.59		77.9	40-140	9.25	30	
Pyridine	0.882	0.32	mg/Kg wet	1.59		55.4	10-140	7.44	50	†
1,2,4,5-Tetrachlorobenzene	1.18	0.32	mg/Kg wet	1.59		74.1	40-140	2.95	30	
1,2,4-Trichlorobenzene	1.16	0.32	mg/Kg wet	1.59		72.8	40-140	1.00	30	
2,4,5-Trichlorophenol	1.30	0.32	mg/Kg wet	1.59		81.6	30-130	1.06	30	
2,4,6-Trichlorophenol	1.26	0.32	mg/Kg wet	1.59		79.2	30-130	0.142	50	
Surrogate: 2-Fluorophenol	4.48		mg/Kg wet	6.37		70.4	30-130			
Surrogate: Phenol-d6	4.68		mg/Kg wet	6.37		73.5	30-130			
Surrogate: Nitrobenzene-d5	2.30		mg/Kg wet	3.18		72.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.35		mg/Kg wet	3.18		73.8	30-130			
Surrogate: 2,4,6-Tribromophenol	5.38		mg/Kg wet	6.37		84.4	30-130			
Surrogate: p-Terphenyl-d14	2.49		mg/Kg wet	3.18		78.3	30-130			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B121922 - SW-846 3546

Blank (B121922-BLK1)

Prepared: 05/16/15 Analyzed: 05/18/15

alpha-Chlordane	ND	0.0050	mg/Kg wet							
alpha-Chlordane [2C]	ND	0.0050	mg/Kg wet							
gamma-Chlordane	ND	0.0050	mg/Kg wet							
gamma-Chlordane [2C]	ND	0.0050	mg/Kg wet							
Alachlor	ND	0.020	mg/Kg wet							
Alachlor [2C]	ND	0.020	mg/Kg wet							
Aldrin	ND	0.0050	mg/Kg wet							
Aldrin [2C]	ND	0.0050	mg/Kg wet							
alpha-BHC	ND	0.0050	mg/Kg wet							
alpha-BHC [2C]	ND	0.0050	mg/Kg wet							
beta-BHC	ND	0.0050	mg/Kg wet							
beta-BHC [2C]	ND	0.0050	mg/Kg wet							
delta-BHC	ND	0.0050	mg/Kg wet							
delta-BHC [2C]	ND	0.0050	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0020	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0020	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0040	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDE	ND	0.0040	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDT	ND	0.0040	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0040	mg/Kg wet							
Dieldrin	ND	0.0040	mg/Kg wet							
Dieldrin [2C]	ND	0.0040	mg/Kg wet							
Endosulfan I	ND	0.0050	mg/Kg wet							
Endosulfan I [2C]	ND	0.0050	mg/Kg wet							
Endosulfan II	ND	0.0080	mg/Kg wet							
Endosulfan II [2C]	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet							
Endrin	ND	0.0080	mg/Kg wet							
Endrin [2C]	ND	0.0080	mg/Kg wet							
Endrin Aldehyde	ND	0.0080	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet							
Endrin Ketone	ND	0.0080	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet							
Heptachlor	ND	0.0050	mg/Kg wet							
Heptachlor [2C]	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet							
Hexachlorobenzene	ND	0.0060	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0060	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.10	mg/Kg wet							
Toxaphene [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.106		mg/Kg wet	0.200		52.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.131		mg/Kg wet	0.200		65.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.101		mg/Kg wet	0.200		50.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.109		mg/Kg wet	0.200		54.7	30-150			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121922 - SW-846 3546										
LCS (B121922-BS1)										
					Prepared: 05/16/15 Analyzed: 05/18/15					
Alachlor	0.088	0.020	mg/Kg wet	0.100		87.8	40-140			
Alachlor [2C]	0.086	0.020	mg/Kg wet	0.100		85.8	40-140			
Aldrin	0.072	0.0050	mg/Kg wet	0.100		71.5	40-140			
Aldrin [2C]	0.080	0.0050	mg/Kg wet	0.100		80.2	40-140			
alpha-BHC	0.064	0.0050	mg/Kg wet	0.100		63.9	40-140			
alpha-BHC [2C]	0.068	0.0050	mg/Kg wet	0.100		68.2	40-140			
beta-BHC	0.071	0.0050	mg/Kg wet	0.100		70.5	40-140			
beta-BHC [2C]	0.070	0.0050	mg/Kg wet	0.100		69.8	40-140			
delta-BHC	0.072	0.0050	mg/Kg wet	0.100		71.6	40-140			
delta-BHC [2C]	0.077	0.0050	mg/Kg wet	0.100		76.8	40-140			
gamma-BHC (Lindane)	0.069	0.0020	mg/Kg wet	0.100		68.6	40-140			
gamma-BHC (Lindane) [2C]	0.075	0.0020	mg/Kg wet	0.100		74.6	40-140			
4,4'-DDD	0.080	0.0040	mg/Kg wet	0.100		80.1	40-140			
4,4'-DDD [2C]	0.090	0.0040	mg/Kg wet	0.100		90.0	40-140			
4,4'-DDE	0.080	0.0040	mg/Kg wet	0.100		80.3	40-140			
4,4'-DDE [2C]	0.091	0.0040	mg/Kg wet	0.100		90.5	40-140			
4,4'-DDT	0.087	0.0040	mg/Kg wet	0.100		86.6	40-140			
4,4'-DDT [2C]	0.090	0.0040	mg/Kg wet	0.100		89.7	40-140			
Dieldrin	0.074	0.0040	mg/Kg wet	0.100		73.8	40-140			
Dieldrin [2C]	0.087	0.0040	mg/Kg wet	0.100		87.3	40-140			
Endosulfan I	0.073	0.0050	mg/Kg wet	0.100		73.2	40-140			
Endosulfan I [2C]	0.083	0.0050	mg/Kg wet	0.100		83.3	40-140			
Endosulfan II	0.076	0.0080	mg/Kg wet	0.100		75.9	40-140			
Endosulfan II [2C]	0.087	0.0080	mg/Kg wet	0.100		86.5	40-140			
Endosulfan Sulfate	0.074	0.0080	mg/Kg wet	0.100		73.9	40-140			
Endosulfan Sulfate [2C]	0.082	0.0080	mg/Kg wet	0.100		82.2	40-140			
Endrin	0.088	0.0080	mg/Kg wet	0.100		87.5	40-140			
Endrin [2C]	0.096	0.0080	mg/Kg wet	0.100		96.1	40-140			V-06
Endrin Aldehyde	0.074	0.0080	mg/Kg wet	0.100		73.8	40-140			
Endrin Aldehyde [2C]	0.079	0.0080	mg/Kg wet	0.100		78.8	40-140			
Endrin Ketone	0.072	0.0080	mg/Kg wet	0.100		71.5	40-140			
Endrin Ketone [2C]	0.080	0.0080	mg/Kg wet	0.100		79.9	40-140			
Heptachlor	0.069	0.0050	mg/Kg wet	0.100		68.9	40-140			
Heptachlor [2C]	0.078	0.0050	mg/Kg wet	0.100		78.2	40-140			
Heptachlor Epoxide	0.074	0.0050	mg/Kg wet	0.100		74.1	40-140			
Heptachlor Epoxide [2C]	0.083	0.0050	mg/Kg wet	0.100		83.5	40-140			
Hexachlorobenzene	0.068	0.0060	mg/Kg wet	0.100		68.2	40-140			
Hexachlorobenzene [2C]	0.071	0.0060	mg/Kg wet	0.100		70.9	40-140			
Methoxychlor	0.086	0.050	mg/Kg wet	0.100		85.8	40-140			
Methoxychlor [2C]	0.099	0.050	mg/Kg wet	0.100		99.4	40-140			
Surrogate: Decachlorobiphenyl	0.139		mg/Kg wet	0.200		69.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.175		mg/Kg wet	0.200		87.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.124		mg/Kg wet	0.200		62.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.132		mg/Kg wet	0.200		66.0	30-150			

QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121922 - SW-846 3546										
LCS Dup (B121922-BSD1)										
					Prepared: 05/16/15 Analyzed: 05/18/15					
Alachlor	0.080	0.020	mg/Kg wet	0.100		80.3	40-140	8.87	30	
Alachlor [2C]	0.083	0.020	mg/Kg wet	0.100		83.3	40-140	3.01	30	
Aldrin	0.075	0.0050	mg/Kg wet	0.100		74.8	40-140	4.55	30	
Aldrin [2C]	0.083	0.0050	mg/Kg wet	0.100		83.4	40-140	3.99	30	
alpha-BHC	0.067	0.0050	mg/Kg wet	0.100		66.7	40-140	4.22	30	
alpha-BHC [2C]	0.070	0.0050	mg/Kg wet	0.100		70.5	40-140	3.34	30	
beta-BHC	0.070	0.0050	mg/Kg wet	0.100		69.8	40-140	1.05	30	
beta-BHC [2C]	0.068	0.0050	mg/Kg wet	0.100		68.0	40-140	2.56	30	
delta-BHC	0.071	0.0050	mg/Kg wet	0.100		70.6	40-140	1.43	30	
delta-BHC [2C]	0.075	0.0050	mg/Kg wet	0.100		75.0	40-140	2.43	30	
gamma-BHC (Lindane)	0.070	0.0020	mg/Kg wet	0.100		70.2	40-140	2.34	30	
gamma-BHC (Lindane) [2C]	0.076	0.0020	mg/Kg wet	0.100		76.1	40-140	2.00	30	
4,4'-DDD	0.080	0.0040	mg/Kg wet	0.100		79.8	40-140	0.440	30	
4,4'-DDD [2C]	0.090	0.0040	mg/Kg wet	0.100		90.0	40-140	0.0356	30	
4,4'-DDE	0.080	0.0040	mg/Kg wet	0.100		79.9	40-140	0.478	30	
4,4'-DDE [2C]	0.091	0.0040	mg/Kg wet	0.100		90.6	40-140	0.0431	30	
4,4'-DDT	0.086	0.0040	mg/Kg wet	0.100		86.0	40-140	0.750	30	
4,4'-DDT [2C]	0.089	0.0040	mg/Kg wet	0.100		89.3	40-140	0.412	30	
Dieldrin	0.074	0.0040	mg/Kg wet	0.100		74.0	40-140	0.204	30	
Dieldrin [2C]	0.088	0.0040	mg/Kg wet	0.100		87.7	40-140	0.469	30	
Endosulfan I	0.074	0.0050	mg/Kg wet	0.100		73.9	40-140	0.949	30	
Endosulfan I [2C]	0.084	0.0050	mg/Kg wet	0.100		83.7	40-140	0.486	30	
Endosulfan II	0.076	0.0080	mg/Kg wet	0.100		75.6	40-140	0.408	30	
Endosulfan II [2C]	0.087	0.0080	mg/Kg wet	0.100		86.6	40-140	0.0855	30	
Endosulfan Sulfate	0.075	0.0080	mg/Kg wet	0.100		74.5	40-140	0.840	30	
Endosulfan Sulfate [2C]	0.084	0.0080	mg/Kg wet	0.100		83.7	40-140	1.78	30	
Endrin	0.087	0.0080	mg/Kg wet	0.100		87.3	40-140	0.232	30	
Endrin [2C]	0.096	0.0080	mg/Kg wet	0.100		96.3	40-140	0.264	30	V-06
Endrin Aldehyde	0.074	0.0080	mg/Kg wet	0.100		74.2	40-140	0.576	30	
Endrin Aldehyde [2C]	0.080	0.0080	mg/Kg wet	0.100		79.9	40-140	1.39	30	
Endrin Ketone	0.072	0.0080	mg/Kg wet	0.100		72.1	40-140	0.801	30	
Endrin Ketone [2C]	0.081	0.0080	mg/Kg wet	0.100		81.1	40-140	1.53	30	
Heptachlor	0.072	0.0050	mg/Kg wet	0.100		71.7	40-140	3.98	30	
Heptachlor [2C]	0.079	0.0050	mg/Kg wet	0.100		79.5	40-140	1.57	30	
Heptachlor Epoxide	0.074	0.0050	mg/Kg wet	0.100		74.3	40-140	0.194	30	
Heptachlor Epoxide [2C]	0.084	0.0050	mg/Kg wet	0.100		83.5	40-140	0.0335	30	
Hexachlorobenzene	0.073	0.0060	mg/Kg wet	0.100		73.1	40-140	6.93	30	
Hexachlorobenzene [2C]	0.076	0.0060	mg/Kg wet	0.100		76.1	40-140	7.03	30	
Methoxychlor	0.085	0.050	mg/Kg wet	0.100		85.3	40-140	0.576	30	
Methoxychlor [2C]	0.10	0.050	mg/Kg wet	0.100		103	40-140	3.34	30	
Surrogate: Decachlorobiphenyl	0.134		mg/Kg wet	0.200		67.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.174		mg/Kg wet	0.200		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	0.129		mg/Kg wet	0.200		64.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.137		mg/Kg wet	0.200		68.3	30-150			

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121921 - SW-846 3546										
Blank (B121921-BLK1)										
Prepared: 05/16/15 Analyzed: 05/19/15										
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	0.180		mg/Kg wet	0.200		89.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.169		mg/Kg wet	0.200		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.145		mg/Kg wet	0.200		72.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.132		mg/Kg wet	0.200		66.1	30-150			
LCS (B121921-BS1)										
Prepared: 05/16/15 Analyzed: 05/19/15										
Aroclor-1016	0.14	0.10	mg/Kg wet	0.200		67.6	40-140			
Aroclor-1016 [2C]	0.15	0.10	mg/Kg wet	0.200		75.2	40-140			
Aroclor-1260	0.18	0.10	mg/Kg wet	0.200		91.3	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.193		mg/Kg wet	0.200		96.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.134		mg/Kg wet	0.200		67.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.131		mg/Kg wet	0.200		65.5	30-150			
LCS Dup (B121921-BSD1)										
Prepared: 05/16/15 Analyzed: 05/19/15										
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		86.1	40-140	24.1	30	
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.200		92.2	40-140	20.3	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		102	40-140	11.0	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		115	40-140	12.5	30	
Surrogate: Decachlorobiphenyl	0.215		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.173		mg/Kg wet	0.200		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.168		mg/Kg wet	0.200		83.8	30-150			

QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121597 - SW-846 8151										
Blank (B121597-BLK1)										
Prepared: 05/13/15 Analyzed: 05/14/15										
2,4-D	ND	24	µg/kg wet							
2,4-D [2C]	ND	24	µg/kg wet							
2,4,5-TP (Silvex)	ND	2.4	µg/kg wet							
2,4,5-TP (Silvex) [2C]	ND	2.4	µg/kg wet							
2,4,5-T	ND	2.4	µg/kg wet							
2,4,5-T [2C]	ND	2.4	µg/kg wet							
Dalapon	ND	59	µg/kg wet							
Dalapon [2C]	ND	59	µg/kg wet							
Dicamba	ND	2.4	µg/kg wet							
Dicamba [2C]	ND	2.4	µg/kg wet							
Surrogate: 2,4-Dichlorophenylacetic acid	78.5		µg/kg wet	95.2		82.5	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	73.0		µg/kg wet	95.2		76.7	30-150			
LCS (B121597-BS1)										
Prepared: 05/13/15 Analyzed: 05/14/15										
2,4-D	104	25	µg/kg wet	125		83.1	40-140			
2,4-D [2C]	98.5	25	µg/kg wet	125		78.8	40-140			
2,4,5-TP (Silvex)	10.1	2.5	µg/kg wet	12.5		81.0	40-140			
2,4,5-TP (Silvex) [2C]	10.7	2.5	µg/kg wet	12.5		85.9	40-140			
2,4,5-T	9.52	2.5	µg/kg wet	12.5		76.2	40-140			
2,4,5-T [2C]	9.74	2.5	µg/kg wet	12.5		77.9	40-140			
Dalapon	144	62	µg/kg wet	312		45.9	40-140			
Dalapon [2C]	144	62	µg/kg wet	312		46.0	40-140			
Dicamba	10.7	2.5	µg/kg wet	12.5		85.3	40-140			
Dicamba [2C]	13.2	2.5	µg/kg wet	12.5		106	40-140			
Surrogate: 2,4-Dichlorophenylacetic acid	86.8		µg/kg wet	100		86.8	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	83.9		µg/kg wet	100		83.9	30-150			
LCS Dup (B121597-BSD1)										
Prepared: 05/13/15 Analyzed: 05/14/15										
2,4-D	103	25	µg/kg wet	125		82.7	40-140	0.557	30	
2,4-D [2C]	98.2	25	µg/kg wet	125		78.6	40-140	0.301	30	
2,4,5-TP (Silvex)	9.97	2.5	µg/kg wet	12.5		79.8	40-140	1.49	30	
2,4,5-TP (Silvex) [2C]	10.6	2.5	µg/kg wet	12.5		85.1	40-140	0.910	30	
2,4,5-T	10.0	2.5	µg/kg wet	12.5		80.3	40-140	5.27	30	
2,4,5-T [2C]	10.3	2.5	µg/kg wet	12.5		82.0	40-140	5.17	30	
Dalapon	135	62	µg/kg wet	312		43.3	40-140	5.78	30	
Dalapon [2C]	136	62	µg/kg wet	312		43.4	40-140	5.69	30	
Dicamba	10.7	2.5	µg/kg wet	12.5		85.9	40-140	0.626	30	
Dicamba [2C]	13.4	2.5	µg/kg wet	12.5		107	40-140	1.47	30	
Surrogate: 2,4-Dichlorophenylacetic acid	86.7		µg/kg wet	100		86.7	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	83.7		µg/kg wet	100		83.7	30-150			
Matrix Spike (B121597-MS1)										
Source: 15E0520-02 Prepared: 05/13/15 Analyzed: 05/15/15										
2,4-D	113	28	µg/kg dry	138	ND	81.5	30-150			
2,4-D [2C]	94.5	28	µg/kg dry	138	ND	68.3	30-150			
2,4,5-TP (Silvex)	11.5	2.8	µg/kg dry	13.8	ND	82.9	30-150			
2,4,5-TP (Silvex) [2C]	11.4	2.8	µg/kg dry	13.8	ND	82.2	30-150			
2,4,5-T	10.9	2.8	µg/kg dry	13.8	ND	78.4	30-150			
2,4,5-T [2C]	9.51	2.8	µg/kg dry	13.8	ND	68.7	30-150			
Dalapon	151	69	µg/kg dry	346	ND	43.7	30-150			
Dalapon [2C]	154	69	µg/kg dry	346	ND	44.5	30-150			

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

QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B121597 - SW-846 8151

Matrix Spike (B121597-MS1)

Source: 15E0520-02

Prepared: 05/13/15 Analyzed: 05/15/15

Dicamba	10.9	2.8	µg/kg dry	13.8	ND	79.1	30-150			
Dicamba [2C]	11.4	2.8	µg/kg dry	13.8	ND	82.4	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid	93.8		µg/kg dry	111		84.8	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	96.2		µg/kg dry	111		86.9	30-150			

Matrix Spike Dup (B121597-MSD1)

Source: 15E0520-02

Prepared: 05/13/15 Analyzed: 05/15/15

2,4-D	115	28	µg/kg dry	138	ND	83.2	30-150	2.15	30	
2,4-D [2C]	100	28	µg/kg dry	138	ND	72.2	30-150	5.67	30	
2,4,5-TP (Silvex)	11.8	2.8	µg/kg dry	13.8	ND	85.0	30-150	2.58	30	
2,4,5-TP (Silvex) [2C]	11.7	2.8	µg/kg dry	13.8	ND	84.5	30-150	2.71	30	
2,4,5-T	11.0	2.8	µg/kg dry	13.8	ND	79.6	30-150	1.55	30	
2,4,5-T [2C]	9.63	2.8	µg/kg dry	13.8	ND	69.6	30-150	1.22	30	
Dalapon	144	69	µg/kg dry	346	ND	41.7	30-150	4.59	30	
Dalapon [2C]	147	69	µg/kg dry	346	ND	42.4	30-150	4.79	30	
Dicamba	11.2	2.8	µg/kg dry	13.8	ND	81.3	30-150	2.70	30	
Dicamba [2C]	10.8	2.8	µg/kg dry	13.8	ND	78.2	30-150	5.17	30	
Surrogate: 2,4-Dichlorophenylacetic acid	97.7		µg/kg dry	111		88.3	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	101		µg/kg dry	111		91.4	30-150			

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

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121901 - SW-846 3546										
Blank (B121901-BLK1)										
					Prepared: 05/16/15 Analyzed: 05/18/15					
CT ETPH	ND	9.9	mg/Kg wet							
Surrogate: o-Terphenyl	1.96		mg/Kg wet	3.30		59.4	50-150			
LCS (B121901-BS1)										
					Prepared: 05/16/15 Analyzed: 05/18/15					
CT ETPH	24.8	9.7	mg/Kg wet	32.3		77.0	60-120			
Surrogate: o-Terphenyl	2.54		mg/Kg wet	3.23		78.9	50-150			
LCS Dup (B121901-BSD1)										
					Prepared: 05/16/15 Analyzed: 05/18/15					
CT ETPH	23.4	10	mg/Kg wet	33.2		70.5	60-120	5.86	30	
Surrogate: o-Terphenyl	2.39		mg/Kg wet	3.32		72.1	50-150			

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

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121943 - SW-846 7471										
Blank (B121943-BLK1) Prepared: 05/18/15 Analyzed: 05/19/15										
Mercury	ND	0.025	mg/Kg wet							
LCS (B121943-BS1) Prepared: 05/18/15 Analyzed: 05/19/15										
Mercury	8.79	0.76	mg/Kg wet	7.10		124	73.7-126.3			
LCS Dup (B121943-BSD1) Prepared: 05/18/15 Analyzed: 05/19/15										
Mercury	6.97	0.75	mg/Kg wet	7.10		98.1	73.7-126.3	23.2	30	
Batch B121950 - SW-846 3050B										
Blank (B121950-BLK1) Prepared: 05/18/15 Analyzed: 05/19/15										
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
LCS (B121950-BS1) Prepared: 05/18/15 Analyzed: 05/19/15										
Arsenic	117	4.9	mg/Kg wet	122		95.9	77.8-122.1			
Barium	156	4.9	mg/Kg wet	167		93.6	82-117.4			
Cadmium	80.6	0.49	mg/Kg wet	88.0		91.6	81.9-118.2			
Chromium	92.0	0.97	mg/Kg wet	102		90.2	78.7-120.6			
Lead	87.2	1.5	mg/Kg wet	94.5		92.3	82.4-117.8			
Selenium	154	9.7	mg/Kg wet	157		97.8	77.1-122.3			
Silver	30.0	0.97	mg/Kg wet	34.2		87.6	74.3-125.4			
LCS Dup (B121950-BSD1) Prepared: 05/18/15 Analyzed: 05/19/15										
Arsenic	121	5.0	mg/Kg wet	122		99.1	77.8-122.1	3.34	30	
Barium	163	5.0	mg/Kg wet	167		97.4	82-117.4	4.02	30	
Cadmium	84.6	0.50	mg/Kg wet	88.0		96.1	81.9-118.2	4.82	30	
Chromium	95.5	1.0	mg/Kg wet	102		93.6	78.7-120.6	3.74	30	
Lead	87.5	1.5	mg/Kg wet	94.5		92.6	82.4-117.8	0.354	30	
Selenium	158	10	mg/Kg wet	157		101	77.1-122.3	3.09	30	
Silver	30.8	1.0	mg/Kg wet	34.2		90.1	74.3-125.4	2.82	30	
MRL Check (B121950-MRL1) Prepared: 05/18/15 Analyzed: 05/19/15										
Lead	0.750	0.74	mg/Kg wet	0.736		102	80-120			

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

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 B121587 - SW-846 9045C										
LCS (B121587-BS1) Prepared & Analyzed: 05/13/15										
pH	6.01		pH Units	6.00		100	98.6-102			
LCS (B121587-BS2) Prepared & Analyzed: 05/13/15										
pH	6.03		pH Units	6.00		100	98.6-102			
LCS (B121587-BS3) Prepared & Analyzed: 05/13/15										
pH	6.01		pH Units	6.00		100	98.6-102			
Duplicate (B121587-DUP3) Source: 15E0520-02 Prepared & Analyzed: 05/13/15										
pH	5.6		pH Units		5.8			2.62	5	H-03
Batch B121763 - SW-846 9014										
Blank (B121763-BLK1) Prepared: 05/14/15 Analyzed: 05/15/15										
Reactive Cyanide	ND	0.40	mg/Kg							
LCS (B121763-BS1) Prepared: 05/14/15 Analyzed: 05/15/15										
Reactive Cyanide	9.5	0.40	mg/Kg	10.0		95.4	86.4-107			
Batch B121764 - SW-846 9030A										
Blank (B121764-BLK1) Prepared: 05/14/15 Analyzed: 05/15/15										
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B121764-BS1) Prepared: 05/14/15 Analyzed: 05/15/15										
Reactive Sulfide	14	2.0	mg/Kg	14.8		97.3	42.9-132			
Batch B121773 - SW-846 9014										
Blank (B121773-BLK1) Prepared: 05/14/15 Analyzed: 05/15/15										
Cyanide	ND	0.50	mg/Kg wet							
LCS (B121773-BS1) Prepared: 05/14/15 Analyzed: 05/15/15										
Cyanide	70	2.5	mg/Kg wet	64.3		109	80-120			
LCS Dup (B121773-BSD1) Prepared: 05/14/15 Analyzed: 05/15/15										
Cyanide	68	2.5	mg/Kg wet	64.3		106	80-120	2.86	20	
Batch B121781 - SM21-22 2510B Modified										
Blank (B121781-BLK1) Prepared & Analyzed: 05/14/15										
Specific conductance	ND	2.0	µmhos/cm							

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

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 B121781 - SM21-22 2510B Modified										
LCS (B121781-BS1)				Prepared & Analyzed: 05/14/15						
Specific conductance	270		µmhos/cm	286		95.9	88.6-105			
Batch B121791 - SW-846 1010										
Blank (B121791-BLK1)				Prepared & Analyzed: 05/14/15						
Flashpoint	> 212 °F		°F							
LCS (B121791-BS1)				Prepared & Analyzed: 05/14/15						
Flashpoint	81		°F	81.0		100	98.8-101			
LCS Dup (B121791-BSD1)				Prepared & Analyzed: 05/14/15						
Flashpoint	81		°F	81.0		100	98.8-101	0.00	5	

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

QUALITY CONTROL

TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121914 - SW-846 7470A Prep										
Blank (B121914-BLK1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Mercury	ND	0.00010	mg/L							
LCS (B121914-BS1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Mercury	0.00185	0.00010	mg/L	0.00200		92.7	80-120			
LCS Dup (B121914-BSD1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Mercury	0.00166	0.00010	mg/L	0.00200		82.9	80-120	11.1	20	
Batch B121924 - SW-846 3010A										
Blank (B121924-BLK1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Cadmium	ND	0.0040	mg/L							
Chromium	ND	0.010	mg/L							
Lead	ND	0.010	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.0050	mg/L							
LCS (B121924-BS1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Arsenic	0.524	0.010	mg/L	0.500		105	80-120			
Barium	0.505	0.050	mg/L	0.500		101	80-120			
Cadmium	0.521	0.0040	mg/L	0.500		104	80-120			
Chromium	0.494	0.010	mg/L	0.500		98.8	80-120			
Lead	0.491	0.010	mg/L	0.500		98.1	80-120			
Selenium	0.548	0.050	mg/L	0.500		110	80-120			
Silver	0.484	0.0050	mg/L	0.500		96.9	80-120			
LCS Dup (B121924-BSD1)				Prepared: 05/16/15 Analyzed: 05/18/15						
Arsenic	0.522	0.010	mg/L	0.500		104	80-120	0.428	20	
Barium	0.500	0.050	mg/L	0.500		99.9	80-120	0.964	20	
Cadmium	0.516	0.0040	mg/L	0.500		103	80-120	1.03	20	
Chromium	0.489	0.010	mg/L	0.500		97.8	80-120	0.929	20	
Lead	0.483	0.010	mg/L	0.500		96.6	80-120	1.56	20	
Selenium	0.534	0.050	mg/L	0.500		107	80-120	2.62	20	
Silver	0.480	0.0050	mg/L	0.500		95.9	80-120	0.970	20	

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

BREAKDOWN REPORT

Lab Sample ID: S008515-PEM1 **Analyzed:** 05/18/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 3.33
Endrin [1] 6.88

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 3.52
Endrin [2] 6.52

BREAKDOWN REPORT

Lab Sample ID: S008515-PEM2 **Analyzed:** 05/18/2015

Column Number: 1
Analyte **% Breakdown**
4,4'-DDT [1] 2.67
Endrin [1] 4.82

Column Number: 2
Analyte **% Breakdown**
4,4'-DDT [2] 3.20
Endrin [2] 4.91

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SO-83167-051115-SD-015

SW-846 8081B

Lab Sample ID: 15E0520-01 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDT	1	7.02	0.00	0.00	0.017	
	2	7.62	0.00	0.00	0.0091	61.1

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8151A

LCS Dup

Lab Sample ID: B121597-BSD1 Date(s) Analyzed: 05/14/2015 05/14/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4,5-T	1	16.14	0.00	0.00	10.0	
	2	16.06	0.00	0.00	10.3	3
2,4,5-TP (Silvex)	1	15.51	0.00	0.00	9.97	
	2	15.20	0.00	0.00	10.6	6
2,4-D	1	13.65	0.00	0.00	103	
	2	13.45	0.00	0.00	98.2	5
Dalapon	1	4.55	0.00	0.00	135	
	2	4.13	0.00	0.00	136	1
Dicamba	1	11.53	0.00	0.00	10.7	
	2	11.23	0.00	0.00	13.4	22

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

Matrix Spike

SW-846 8151A

Lab Sample ID: B121597-MS1 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4,5-T	1	16.12	0.00	0.00	10.9	
	2	16.04	0.00	0.00	9.51	14
2,4,5-TP (Silvex)	1	15.50	0.00	0.00	11.5	
	2	15.19	0.00	0.00	11.4	1
2,4-D	1	13.65	0.00	0.00	113	
	2	13.44	0.00	0.00	94.5	18
Dalapon	1	4.55	0.00	0.00	151	
	2	4.13	0.00	0.00	154	2
Dicamba	1	11.52	0.00	0.00	10.9	
	2	11.23	0.00	0.00	11.4	4

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B121921-BS1 Date(s) Analyzed: 05/19/2015 05/19/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.14	
	2	0.00	0.00	0.00	0.15	11
Aroclor-1260	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.20	9

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B121921-BSD1 Date(s) Analyzed: 05/19/2015 05/19/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.17	
	2	0.00	0.00	0.00	0.18	5
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.23	12

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8081B

Lab Sample ID: B121922-BS1 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	6.82	0.00	0.00	0.080	
	2	7.38	0.00	0.00	0.090	12
4,4'-DDE	1	6.42	0.00	0.00	0.080	
	2	6.94	0.00	0.00	0.091	13
4,4'-DDT	1	7.02	0.00	0.00	0.087	
	2	7.62	0.00	0.00	0.090	4
Alachlor	1	5.91	0.00	0.00	0.088	
	2	6.11	0.00	0.00	0.086	2
Aldrin	1	5.81	0.00	0.00	0.072	
	2	6.18	0.00	0.00	0.080	11
alpha-BHC	1	5.20	0.00	0.00	0.064	
	2	5.47	0.00	0.00	0.068	6
beta-BHC	1	5.42	0.00	0.00	0.071	
	2	5.74	0.00	0.00	0.070	1
delta-BHC	1	5.52	0.00	0.00	0.072	
	2	5.93	0.00	0.00	0.077	7
Dieldrin	1	6.60	0.00	0.00	0.074	
	2	7.06	0.00	0.00	0.087	16
Endosulfan I	1	6.44	0.00	0.00	0.073	
	2	6.85	0.00	0.00	0.083	13
Endosulfan II	1	6.91	0.00	0.00	0.076	
	2	7.44	0.00	0.00	0.087	14
Endosulfan Sulfate	1	7.54	0.00	0.00	0.074	
	2	7.92	0.00	0.00	0.082	10
Endrin	1	6.76	0.00	0.00	0.088	
	2	7.28	0.00	0.00	0.096	9
Endrin Aldehyde	1	7.22	0.00	0.00	0.074	
	2	7.71	0.00	0.00	0.079	7
Endrin Ketone	1	7.74	0.00	0.00	0.072	
	2	8.29	0.00	0.00	0.080	11
gamma-BHC (Lindane)	1	5.37	0.00	0.00	0.069	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8081B

LCS

Lab Sample ID: B121922-BS1 Date(s) Analyzed: 05/18/2015 05/18/2015
Instrument ID (1): ECD6 Instrument ID (2): ECD6
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	5.68	0.00	0.00	0.075	9
Heptachlor	1	5.64	0.00	0.00	0.069	
	2	5.96	0.00	0.00	0.078	12
Heptachlor Epoxide	1	6.19	0.00	0.00	0.074	
	2	6.57	0.00	0.00	0.083	11
Hexachlorobenzene	1	5.10	0.00	0.00	0.068	
	2	5.38	0.00	0.00	0.071	4
Methoxychlor	1	7.39	0.00	0.00	0.086	
	2	8.15	0.00	0.00	0.099	14

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8081B

Lab Sample ID: B121922-BSD1 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	6.83	0.00	0.00	0.080	
	2	7.38	0.00	0.00	0.090	12
4,4'-DDE	1	6.42	0.00	0.00	0.080	
	2	6.94	0.00	0.00	0.091	13
4,4'-DDT	1	7.02	0.00	0.00	0.086	
	2	7.62	0.00	0.00	0.089	3
Alachlor	1	5.92	0.00	0.00	0.080	
	2	6.12	0.00	0.00	0.083	3
Aldrin	1	5.81	0.00	0.00	0.075	
	2	6.18	0.00	0.00	0.083	10
alpha-BHC	1	5.20	0.00	0.00	0.067	
	2	5.47	0.00	0.00	0.070	5
beta-BHC	1	5.42	0.00	0.00	0.070	
	2	5.74	0.00	0.00	0.068	3
delta-BHC	1	5.52	0.00	0.00	0.071	
	2	5.93	0.00	0.00	0.075	6
Dieldrin	1	6.60	0.00	0.00	0.074	
	2	7.06	0.00	0.00	0.088	17
Endosulfan I	1	6.44	0.00	0.00	0.074	
	2	6.86	0.00	0.00	0.084	13
Endosulfan II	1	6.92	0.00	0.00	0.076	
	2	7.45	0.00	0.00	0.087	14
Endosulfan Sulfate	1	7.54	0.00	0.00	0.075	
	2	7.93	0.00	0.00	0.084	12
Endrin	1	6.76	0.00	0.00	0.087	
	2	7.28	0.00	0.00	0.096	9
Endrin Aldehyde	1	7.22	0.00	0.00	0.074	
	2	7.71	0.00	0.00	0.080	8
Endrin Ketone	1	7.74	0.00	0.00	0.072	
	2	8.30	0.00	0.00	0.081	12
gamma-BHC (Lindane)	1	5.37	0.00	0.00	0.070	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8081B

Lab Sample ID: B121922-BSD1 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): ECD6 Instrument ID (2): ECD6

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	5.69	0.00	0.00	0.076	8
Heptachlor	1	5.64	0.00	0.00	0.072	
	2	5.97	0.00	0.00	0.079	10
Heptachlor Epoxide	1	6.19	0.00	0.00	0.074	
	2	6.58	0.00	0.00	0.084	12
Hexachlorobenzene	1	5.10	0.00	0.00	0.073	
	2	5.38	0.00	0.00	0.076	4
Methoxychlor	1	7.40	0.00	0.00	0.085	
	2	8.15	0.00	0.00	0.10	16

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
	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.
E	Reported result is estimated. Value reported over verified calibration range.
H-03	Sample received after recommended holding time was exceeded.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
P-02	Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.
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-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 1010 in Soil	
Flashpoint	NY,NC,ME,VA,NJ
SW-846 6010C in Soil	
Arsenic	CT,NH,NY,ME,NC,VA,NJ
Barium	CT,NH,NY,ME,NC,VA,NJ
Cadmium	CT,NH,NY,ME,NC,VA,NJ
Chromium	CT,NH,NY,ME,NC,VA,NJ
Lead	CT,NH,NY,AIHA,ME,NC,VA,NJ
Selenium	CT,NH,NY,ME,NC,VA,NJ
Silver	CT,NH,NY,ME,NC,VA,NJ
SW-846 6010C in Water	
Arsenic	NY,CT,NC,ME,NH,VA,NJ
Barium	NY,CT,ME,NC,NH,VA,NJ
Cadmium	NY,CT,ME,NC,NH,VA,NJ
Chromium	NY,CT,ME,NC,NH,VA,NJ
Lead	NY,CT,ME,NC,NH,VA,NJ
Selenium	CT,ME,NC,NH,NY,VA,NJ
Silver	CT,ME,NC,NH,NY,VA,NJ
SW-846 7470A in Water	
Mercury	CT,ME,NC,NH,NY,VA,NJ
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA,NJ
SW-846 8081B in Soil	
Alachlor	NC
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA,NJ
Aldrin [2C]	CT,NH,NY,ME,NC,VA,NJ
alpha-BHC	CT,NH,NY,ME,NC,VA,NJ
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
beta-BHC	CT,NH,NY,ME,NC,VA,NJ
beta-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
delta-BHC	CT,NH,NY,ME,NC,VA,NJ
delta-BHC [2C]	CT,NH,NY,ME,NC,VA,NJ
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA,NJ
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA,NJ
Chlordane	CT,NH,NY,ME,NC,VA,NJ
Chlordane [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDD	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDE	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDT	CT,NH,NY,ME,NC,VA,NJ
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA,NJ
Dieldrin	CT,NH,NY,ME,NC,VA,NJ

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Soil	
Dieldrin [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan I	CT,NH,NY,ME,NC,VA,NJ
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan II	CT,NH,NY,ME,NC,VA,NJ
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA,NJ
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA,NJ
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin	CT,NH,NY,ME,NC,VA,NJ
Endrin [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin Aldehyde	CT,NH,NY,ME,NC,VA,NJ
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA,NJ
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA,NJ
Heptachlor [2C]	CT,NH,NY,ME,NC,VA,NJ
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA,NJ
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA,NJ
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA,NJ
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA,NJ
Toxaphene	CT,NH,NY,ME,NC,VA,NJ
Toxaphene [2C]	CT,NH,NY,ME,NC,VA,NJ
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
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
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)	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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
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
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzidine	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
Benzoic Acid	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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
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
1,2-Diphenylhydrazine (as Azobenzene)	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
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-Nitrosodimethylamine	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
<i>SW-846 9014 in Soil</i>	
Cyanide	NY,CT,NC,ME,NH,VA,NJ

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Conestoga Rovers RECEIVED BY: JDL DATE: 5/12/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.4

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified David Date 5/12/15 Time 1735

7) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz amber/clear jar	1, 1
500 mL Amber			4 oz amber/clear jar	
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Plastic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			Non-ConTest Container	
40 mL Vial - type listed below	6		Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar 16oz	2
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____	# Methanol <u>2</u>	Time and Date Frozen:
Doc# 277 # Bisulfate _____	# DI Water <u>4</u>	<u>5/12/15 1735</u>
Rev. 4 August 2013 # Thiosulfate _____	Unpreserved _____	

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

Question	Answer (True/False)		Comment
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	NA		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	T		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials: JDL

Date/Time:

Date/Time: 5/12/15 1735

D:\HPCHEM\1\DATA\A051915\A0519006.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 5/19/15
 Data File Name A0519006.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	0.96	462443	511719	-10
c - 10	1.30	494752	511719	-3
c - 12	2.03	506170	511719	-1
c - 14	2.70	514237	511719	0
c - 16	3.30	526209	511719	3
c - 18	3.86	532694	511719	4
o-Terphenyl	4.12	631353	511719	
c - 20	4.47	527953	511719	3
c - 22	5.00	534165	511719	4
c - 24	5.45	503500	511719	-2
c - 26	5.85	528618	511719	3
c - 28	6.21	521588	511719	2
c - 30	6.54	527898	511719	3
c - 32	7.15	506495	511719	-1
c - 34	7.15	506495	511719	-1
c - 36	7.42	482564	511719	-6

* One compound allowed %D <= 50%

Samples

15E0279-27RE1
 15E0279-29RE1
 15E0279-35RE1
 15E0520-02

D:\HPCHEM\1\DATA\A051915.SEC\A0519007.D

CT ETPH DISCRIMINATION CHECK

Date Acquired 5/19/15
 Data File Name A0519007.D
 Sample Name ETPH 1500
 Instrument Name 5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.18	517387	543627	-5
c - 10	1.53	551978	543627	2
c - 12	2.26	557052	543627	2
c - 14	2.92	555925	543627	2
c - 16	3.52	561113	543627	3
c - 18	4.11	563196	543627	4
o-Terphenyl	4.41	656914	543627	
c - 20	4.72	553963	543627	2
c - 22	5.23	557759	543627	3
c - 24	5.67	521212	543627	-4
c - 26	6.06	541500	543627	0
c - 28	6.42	531080	543627	-2
c - 30	6.75	539256	543627	-1
c - 32	7.06	544530	543627	0
c - 34	7.35	538103	543627	-1
c - 36	7.64	520346	543627	-4

* One compound allowed %D <= 50%

Samples

15E0237-04
 15E0279-23RE1
 15E0279-26RE1
 15E0279-30RE1
 15E0279-34RE1
 15E0279-17RE1
 15E0497-01
 15E0615-01@20X
 15E0488-01@10X
 15E0520-01@5X

5/19/15 2:53 PM



**CONESTOGA-ROVERS
& ASSOCIATES**

45 Farmington Valley Drive, Plainville, Connecticut
06062
Telephone: (860) 747-1800 Fax: (860) 747-1900
www.CRAworld.com

June 10, 2015

Reference No. 083167

Mr. Shawn C. Crosbie
Environmental Analyst
The United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477

Dear Mr. Crosbie:

Re: Baseline Environmental Assessment
Baird Substation Expansion
Stratford, Connecticut (Site)

1.0 INTRODUCTION

As requested by The United Illuminating Company (UI), Conestoga-Rovers & Associates, Inc. (CRA) is pleased to provide this summary of the Baseline Environmental Assessment conducted at the Baird Substation Expansion located at 1770 Stratford Avenue in Stratford, Connecticut (Site).

2.0 SCOPE OF WORK

The soil and groundwater sampling activities were conducted on May 4 through 11, 2015. The following paragraphs provide a summary of the sampling activities. A Site plan with the temporary well and soil boring sample locations are included as Figure 1.

Soil Borings

Fifteen soil borings (SB-2 through SB-16) were advanced to a maximum depth of approximately 40 feet below ground surface (ft bgs) by New England Boring Contractors (NEBC). Soils were logged in general accordance with the Unified Soil Classification System (USCS) and screened in the field using a photoionization detector (PID). Overburden soils consisted of brown and gray sand with gravel to a depth of approximately 12 ft bgs, at which bedrock was encountered. Bedrock was consistent with Oronoque Schist.

One soil sample was collected from each soil boring at the depths identified in Table 1. All soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), Extractable Total Petroleum Hydrocarbons (ETPH), Polychlorinated Biphenyls (PCBs), Total and Toxicity Characteristic Leaching Procedure (TCLP) Resource

Equal
Employment Opportunity
Employer

REGISTERED COMPANY FOR
ISO 9001
ENGINEERING DESIGN



**CONESTOGA-ROVERS
& ASSOCIATES**

June 10, 2015

2

Reference No. 083167

Conservation and Recovery Act (RCRA) 8 metals, herbicides, and pesticides. Additionally, soil samples collected from borings SB-5, SB-7, SB-8, and SB-14 were analyzed for total and reactive cyanide, reactive sulfide, pH, flashpoint, and conductivity.

Temporary Well

Bedrock was encountered at 1.5 ft bgs at the original proposed temporary well location. The location was sampled as a shallow soil boring and abandoned, and the temporary well was relocated to the location of soil boring SB-8. Groundwater was first encountered at approximately 7 ft bgs and a temporary monitoring well (MW-1) was installed to a depth of 12 ft bgs by NEBC.

One grab groundwater sample was collected from SB-8/MW-1. The groundwater sample was analyzed for VOCs, SVOCs, oil and grease, PCBs, herbicides, pesticides, total RCRA 8 metals, total and amenable cyanide, total suspended solids, chloride, pH, and ammonia.

3.0 DATA EVALUATION

The analytical data resulting from the pre-characterization was evaluated to determine how the material would need to be managed. Pursuant to Connecticut Department of Energy and Environmental Protection (CTDEEP) policy on the management of contaminated environmental media, the soil and groundwater analytical data was evaluated relative to the criteria identified in Connecticut Remediation Standard Regulations 22a-133k-1 through 22a-133k-3 (RSRs). The laboratory analytical report is included in Attachment A.

Soil Evaluation

The soil analytical data was evaluated relative to direct exposure criteria for Industrial/Commercial sites (I/C DEC) and residential sites (Res DEC) and pollutant mobility criteria for areas classified as GA (GA PMC). A summary of detected results is provided in Table 1. Note that although the Site is located in a GB groundwater classification area, the soil results were evaluated relative to GA for purposes of determining an unrestricted use scenario.

As indicated in Table 1, nine SVOCs (benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene and pyrene) were detected above I/C DEC, Res DEC, and/or GA PMC in soil samples collected from soil borings SB-10 and SB-16. Benzo(a)anthracene, benzo(b)fluoranthene and chrysene were also detected above Res DEC and/or GA PMC in soil collected from boring SB-9. One SVOC, 3&4-methylphenol, was detected above GA PMC in soil collected from boring



**CONESTOGA-ROVERS
& ASSOCIATES**

June 10, 2015

3

Reference No. 083167

SB-15. Lead was detected above GA PMC in soil samples collected from borings SB-6, SB-7, SB-15, and SB-16.

The soil collected from soil borings SB-5, SB-11, and SB-14 was affected by a release due to man-made constituents detected above analytical detection limits. The soil from these portions of the Site must be managed as polluted soil in accordance with RCSA 22a-133k-2(h) upon excavation.

All other constituents in soil were below RSR criteria.

Groundwater Evaluation

The groundwater analytical data was evaluated relative to surface water protection criteria (SWPC) and groundwater volatilization criteria for Industrial/Commercial sites (I/C GWVC) and residential sites (GWVC Res). In addition, the groundwater was also evaluated relative to groundwater protection criteria for areas classified as GA (GA GWPC). As previously noted, although the Site is located in a GB groundwater classification area, the groundwater results were evaluated relative to GWPC for purposes of determining an unrestricted use scenario. A summary of detected results is provided in Table 2.

As indicated in Table 2, one SVOC (bis(2-ethylhexyl)phthalate) was detected above GA GWPC in groundwater collected from MW-1. All other constituents in groundwater were below RSR criteria.

4.0 MANAGEMENT OPTIONS

Based on the analytical results, the soil and groundwater at the Site are NOT classified as hazardous waste as they are neither characteristically hazardous nor listed as hazardous waste. As such, it is not subject to Connecticut Hazardous Waste Management Regulations, but is potentially subject to certain management requirements under Connecticut General Statutes (CGS) Section 22a-454 and Regulations of State Agencies (RCSA) Section 22a-209 as discussed below.

Only naturally occurring substances were detected at or below background levels at soil borings SB-2, SB-3, SB-4, SB-8, SB-12, and SB-13. This soil is considered clean fill and can be managed without restriction.

Due to man-made constituents detected above analytical detection limits in the soil from SB-5, SB-11, and SB-14, the soil from these portions of the Site must be managed as polluted soil in accordance with RCSA 22a-133k-2(h) upon excavation.



**CONESTOGA-ROVERS
& ASSOCIATES**

June 10, 2015

4

Reference No. 083167

Additionally, the soil collected from SB-6, SB-7, SB-9, SB-10, SB-15, and SB-16 and groundwater collected from MW-1 does not meet RSR criteria and are therefore considered non-RCRA hazardous waste (Connecticut regulated waste designation CR04 [liquid] and CR05 [solid]). These materials must be managed properly upon excavation/removal and stored in an environmentally safe manner. Any mismanagement of non-RCRA hazardous waste may be a potential source of pollution and subject to enforcement action under Sections 22a-427 through 433 of the CGS. Note that such solid wastes (i.e., CR05 waste) do not have to be hauled by a permitted transporter, but they must be transported to a permitted storage treatment or disposal facility approved to accept such waste.

Please contact Jeff Lambert at (860) 747-1800 if you have any questions or comments.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Jeff Lambert, LEP, LSP, P.E.

JL/ab/15/CT

Encl.

FOR TABLES, MAPS AND ATTACHMENTS, REFER TO THE BULK FILING OR CONTACT
THE UNITED ILLUMINATING COMPANY AT 888-UI TEN YR (888-8483697)