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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-1 | Sampled: 4/25/2014 13:00

Sample ID: 14D1017-41

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 9:29	KAL
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 9:29	KAL
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 9:29	KAL
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 9:29	KAL
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 9:29	KAL
Aroclor-1254 [1]	22	4.5	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 9:29	KAL
Aroclor-1260 [1]	41	4.5	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 9:29	KAL
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 9:29	KAL
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 9:29	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/2/14 9:29
Decachlorobiphenyl [2]	*	30-150	S-01	5/2/14 9:29
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/2/14 9:29
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/2/14 9:29

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-1 | Sampled: 4/25/2014 13:00

Sample ID: 14D1017-41

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-2 | Sampled: 4/25/2014 13:02

Sample ID: 14D1017-42

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:43	KAL
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:43	KAL
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:43	KAL
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:43	KAL
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:43	KAL
Aroclor-1254 [1]	3.7	1.1	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:43	KAL
Aroclor-1260 [2]	8.4	1.1	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:43	KAL
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:43	KAL
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:43	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/2/14 9:43
Decachlorobiphenyl [2]	*	30-150	S-01	5/2/14 9:43
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/2/14 9:43
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/2/14 9:43

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-2 | Sampled: 4/25/2014 13:02

Sample ID: 14D1017-42

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-3 | Sampled: 4/25/2014 13:04

Sample ID: 14D1017-43

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 8:40	MJC
Aroclor-1221 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 8:40	MJC
Aroclor-1232 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 8:40	MJC
Aroclor-1242 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 8:40	MJC
Aroclor-1248 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 8:40	MJC
Aroclor-1254 [1]	3.2	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 8:40	MJC
Aroclor-1260 [2]	5.6	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 8:40	MJC
Aroclor-1262 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 8:40	MJC
Aroclor-1268 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 8:40	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/2/14 8:40
Decachlorobiphenyl [2]	*	30-150	S-01	5/2/14 8:40
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/2/14 8:40
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/2/14 8:40

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-3 | Sampled: 4/25/2014 13:04

Sample ID: 14D1017-43

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	82.4		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-4 | Sampled: 4/25/2014 13:06

Sample ID: 14D1017-44

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:03	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:03	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:03	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:03	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:03	KAL
Aroclor-1254 [2]	0.14	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:03	KAL
Aroclor-1260 [2]	0.12	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:03	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:03	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:03	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		5/1/14 22:03
Decachlorobiphenyl [2]	116	30-150		5/1/14 22:03
Tetrachloro-m-xylene [1]	100	30-150		5/1/14 22:03
Tetrachloro-m-xylene [2]	109	30-150		5/1/14 22:03

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-4 | Sampled: 4/25/2014 13:06

Sample ID: 14D1017-44

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.0		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-5 | Sampled: 4/25/2014 13:08

Sample ID: 14D1017-45

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:16	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:16	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:16	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:16	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:16	KAL
Aroclor-1254 [2]	0.22	0.13	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:16	KAL
Aroclor-1260 [1]	0.17	0.13	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:16	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:16	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:16	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.5	30-150		5/1/14 22:16
Decachlorobiphenyl [2]	110	30-150		5/1/14 22:16
Tetrachloro-m-xylene [1]	101	30-150		5/1/14 22:16
Tetrachloro-m-xylene [2]	110	30-150		5/1/14 22:16

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B119-5 | Sampled: 4/25/2014 13:08

Sample ID: 14D1017-45

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.8		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-1 | Sampled: 4/25/2014 14:00

Sample ID: 14D1017-46

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 8:53	MJC
Aroclor-1221 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 8:53	MJC
Aroclor-1232 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 8:53	MJC
Aroclor-1242 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 8:53	MJC
Aroclor-1248 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 8:53	MJC
Aroclor-1254 [1]	19	4.7	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 8:53	MJC
Aroclor-1260 [1]	37	4.7	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 8:53	MJC
Aroclor-1262 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 8:53	MJC
Aroclor-1268 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/28/14	5/2/14 8:53	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/2/14 8:53
Decachlorobiphenyl [2]	*	30-150	S-01	5/2/14 8:53
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/2/14 8:53
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/2/14 8:53

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-1 | Sampled: 4/25/2014 14:00

Sample ID: 14D1017-46

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.3		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-2 | Sampled: 4/25/2014 14:02

Sample ID: 14D1017-47

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/28/14	5/2/14 9:05	MJC
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/28/14	5/2/14 9:05	MJC
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/28/14	5/2/14 9:05	MJC
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/28/14	5/2/14 9:05	MJC
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/28/14	5/2/14 9:05	MJC
Aroclor-1254 [1]	1.0	0.44	mg/Kg dry	20		SW-846 8082A	4/28/14	5/2/14 9:05	MJC
Aroclor-1260 [1]	2.2	0.44	mg/Kg dry	20		SW-846 8082A	4/28/14	5/2/14 9:05	MJC
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/28/14	5/2/14 9:05	MJC
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/28/14	5/2/14 9:05	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		5/2/14 9:05
Decachlorobiphenyl [2]	123	30-150		5/2/14 9:05
Tetrachloro-m-xylene [1]	108	30-150		5/2/14 9:05
Tetrachloro-m-xylene [2]	100	30-150		5/2/14 9:05

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-2 | Sampled: 4/25/2014 14:02

Sample ID: 14D1017-47

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-3 | Sampled: 4/25/2014 14:04

Sample ID: 14D1017-48

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:56	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:56	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:56	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:56	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:56	KAL
Aroclor-1254 [2]	0.14	0.10	mg/Kg dry	5	O-03	SW-846 8082A	4/28/14	5/1/14 22:56	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:56	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:56	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 22:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.0	30-150		5/1/14 22:56
Decachlorobiphenyl [2]	110	30-150		5/1/14 22:56
Tetrachloro-m-xylene [1]	93.9	30-150		5/1/14 22:56
Tetrachloro-m-xylene [2]	99.0	30-150		5/1/14 22:56

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-3 | Sampled: 4/25/2014 14:04

Sample ID: 14D1017-48

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.7		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-4 | Sampled: 4/25/2014 14:06

Sample ID: 14D1017-49

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:09	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:09	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:09	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:09	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:09	KAL
Aroclor-1254 [2]	0.12	0.11	mg/Kg dry	5	O-03	SW-846 8082A	4/28/14	5/1/14 23:09	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:09	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:09	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		5/1/14 23:09
Decachlorobiphenyl [2]	113	30-150		5/1/14 23:09
Tetrachloro-m-xylene [1]	100	30-150		5/1/14 23:09
Tetrachloro-m-xylene [2]	109	30-150		5/1/14 23:09

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-4 | Sampled: 4/25/2014 14:06

Sample ID: 14D1017-49

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-5 | Sampled: 4/25/2014 14:08

Sample ID: 14D1017-50

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:22	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:22	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:22	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:22	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:22	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:22	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:22	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:22	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:22	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.0	30-150		5/1/14 23:22
Decachlorobiphenyl [2]	110	30-150		5/1/14 23:22
Tetrachloro-m-xylene [1]	101	30-150		5/1/14 23:22
Tetrachloro-m-xylene [2]	110	30-150		5/1/14 23:22

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B113-5 | Sampled: 4/25/2014 14:08

Sample ID: 14D1017-50

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B112-1 | Sampled: 4/25/2014 14:30

Sample ID: 14D1017-51

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:35	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:35	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:35	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:35	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:35	KAL
Aroclor-1254 [1]	0.14	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:35	KAL
Aroclor-1260 [2]	0.31	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:35	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:35	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:35	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.3	30-150		5/1/14 23:35
Decachlorobiphenyl [2]	108	30-150		5/1/14 23:35
Tetrachloro-m-xylene [1]	98.3	30-150		5/1/14 23:35
Tetrachloro-m-xylene [2]	107	30-150		5/1/14 23:35

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B112-1 | Sampled: 4/25/2014 14:30

Sample ID: 14D1017-51

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B112-2 | Sampled: 4/25/2014 14:32

Sample ID: 14D1017-52

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:49	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:49	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:49	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:49	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:49	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:49	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:49	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:49	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 23:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.4	30-150		5/1/14 23:49
Decachlorobiphenyl [2]	109	30-150		5/1/14 23:49
Tetrachloro-m-xylene [1]	100	30-150		5/1/14 23:49
Tetrachloro-m-xylene [2]	108	30-150		5/1/14 23:49

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B112-2 | Sampled: 4/25/2014 14:32

Sample ID: 14D1017-52

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B112-3 | Sampled: 4/25/2014 14:34

Sample ID: 14D1017-53

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 0:33	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 0:33	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 0:33	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 0:33	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 0:33	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 0:33	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 0:33	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 0:33	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 0:33	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.4	30-150		5/2/14 0:33
Decachlorobiphenyl [2]	104	30-150		5/2/14 0:33
Tetrachloro-m-xylene [1]	91.3	30-150		5/2/14 0:33
Tetrachloro-m-xylene [2]	99.4	30-150		5/2/14 0:33

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B112-3 | Sampled: 4/25/2014 14:34

Sample ID: 14D1017-53

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-1 | Sampled: 4/25/2014 15:00

Sample ID: 14D1017-56

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/28/14	5/2/14 9:18	MJC
Aroclor-1221 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/28/14	5/2/14 9:18	MJC
Aroclor-1232 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/28/14	5/2/14 9:18	MJC
Aroclor-1242 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/28/14	5/2/14 9:18	MJC
Aroclor-1248 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/28/14	5/2/14 9:18	MJC
Aroclor-1254 [1]	3.3	0.61	mg/Kg dry	25		SW-846 8082A	4/28/14	5/2/14 9:18	MJC
Aroclor-1260 [1]	6.2	0.61	mg/Kg dry	25		SW-846 8082A	4/28/14	5/2/14 9:18	MJC
Aroclor-1262 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/28/14	5/2/14 9:18	MJC
Aroclor-1268 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/28/14	5/2/14 9:18	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	121	30-150		5/2/14 9:18
Decachlorobiphenyl [2]	114	30-150		5/2/14 9:18
Tetrachloro-m-xylene [1]	102	30-150		5/2/14 9:18
Tetrachloro-m-xylene [2]	97.4	30-150		5/2/14 9:18

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-1 | Sampled: 4/25/2014 15:00

Sample ID: 14D1017-56

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	79.5		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-2 | Sampled: 4/25/2014 15:02

Sample ID: 14D1017-57

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:30	MJC
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:30	MJC
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:30	MJC
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:30	MJC
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:30	MJC
Aroclor-1254 [1]	1.3	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:30	MJC
Aroclor-1260 [1]	1.3	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:30	MJC
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:30	MJC
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:30	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		5/2/14 9:30
Decachlorobiphenyl [2]	104	30-150		5/2/14 9:30
Tetrachloro-m-xylene [1]	92.9	30-150		5/2/14 9:30
Tetrachloro-m-xylene [2]	87.5	30-150		5/2/14 9:30

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-2 | Sampled: 4/25/2014 15:02

Sample ID: 14D1017-57

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	83.4		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-3 | Sampled: 4/25/2014 15:04

Sample ID: 14D1017-58

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:13	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:13	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:13	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:13	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:13	KAL
Aroclor-1254 [2]	0.18	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:13	KAL
Aroclor-1260 [2]	0.24	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:13	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:13	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.9	30-150		5/2/14 1:13
Decachlorobiphenyl [2]	111	30-150		5/2/14 1:13
Tetrachloro-m-xylene [1]	98.3	30-150		5/2/14 1:13
Tetrachloro-m-xylene [2]	106	30-150		5/2/14 1:13

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-3 | Sampled: 4/25/2014 15:04

Sample ID: 14D1017-58

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-4 | Sampled: 4/25/2014 15:06

Sample ID: 14D1017-59

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:26	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:26	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:26	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:26	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:26	KAL
Aroclor-1254 [2]	0.12	0.10	mg/Kg dry	5	O-03	SW-846 8082A	4/28/14	5/2/14 1:26	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:26	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:26	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		5/2/14 1:26
Decachlorobiphenyl [2]	116	30-150		5/2/14 1:26
Tetrachloro-m-xylene [1]	95.6	30-150		5/2/14 1:26
Tetrachloro-m-xylene [2]	104	30-150		5/2/14 1:26

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-4 | Sampled: 4/25/2014 15:06

Sample ID: 14D1017-59

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.2		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-5 | Sampled: 4/25/2014 15:08

Sample ID: 14D1017-60

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:39	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:39	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:39	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:39	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:39	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:39	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:39	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:39	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 1:39	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		5/2/14 1:39
Decachlorobiphenyl [2]	111	30-150		5/2/14 1:39
Tetrachloro-m-xylene [1]	90.5	30-150		5/2/14 1:39
Tetrachloro-m-xylene [2]	98.1	30-150		5/2/14 1:39

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B111-5 | Sampled: 4/25/2014 15:08

Sample ID: 14D1017-60

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-1 | Sampled: 4/25/2014 15:30

Sample ID: 14D1017-61

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:42	MJC
Aroclor-1221 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:42	MJC
Aroclor-1232 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:42	MJC
Aroclor-1242 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:42	MJC
Aroclor-1248 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:42	MJC
Aroclor-1254 [1]	5.3	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:42	MJC
Aroclor-1260 [1]	11	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:42	MJC
Aroclor-1262 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:42	MJC
Aroclor-1268 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/28/14	5/2/14 9:42	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/2/14 9:42
Decachlorobiphenyl [2]	*	30-150	S-01	5/2/14 9:42
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/2/14 9:42
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/2/14 9:42

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-1 | Sampled: 4/25/2014 15:30

Sample ID: 14D1017-61

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	82.7		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-2 | Sampled: 4/25/2014 15:32

Sample ID: 14D1017-62

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:57	MJC
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:57	MJC
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:57	MJC
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:57	MJC
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:57	MJC
Aroclor-1254 [1]	0.81	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:57	MJC
Aroclor-1260 [1]	1.7	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:57	MJC
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:57	MJC
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	4/28/14	5/2/14 9:57	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.9	30-150		5/2/14 9:57
Decachlorobiphenyl [2]	108	30-150		5/2/14 9:57
Tetrachloro-m-xylene [1]	66.3	30-150		5/2/14 9:57
Tetrachloro-m-xylene [2]	60.3	30-150		5/2/14 9:57

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-2 | Sampled: 4/25/2014 15:32

Sample ID: 14D1017-62

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-3 | Sampled: 4/25/2014 15:34

Sample ID: 14D1017-63

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:19	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:19	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:19	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:19	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:19	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:19	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:19	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:19	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		5/2/14 2:19
Decachlorobiphenyl [2]	107	30-150		5/2/14 2:19
Tetrachloro-m-xylene [1]	92.3	30-150		5/2/14 2:19
Tetrachloro-m-xylene [2]	100	30-150		5/2/14 2:19

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-3 | Sampled: 4/25/2014 15:34

Sample ID: 14D1017-63

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.9		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-4 | Sampled: 4/25/2014 15:36

Sample ID: 14D1017-64

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:32	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:32	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:32	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:32	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:32	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:32	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:32	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:32	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/2/14 2:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		5/2/14 2:32
Decachlorobiphenyl [2]	110	30-150		5/2/14 2:32
Tetrachloro-m-xylene [1]	93.7	30-150		5/2/14 2:32
Tetrachloro-m-xylene [2]	101	30-150		5/2/14 2:32

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-4 | Sampled: 4/25/2014 15:36

Sample ID: 14D1017-64

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-5 | Sampled: 4/25/2014 15:38

Sample ID: 14D1017-65

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:37	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:37	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:37	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:37	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:37	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:37	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:37	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:37	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:37	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	138	30-150		5/1/14 8:37
Decachlorobiphenyl [2]	127	30-150		5/1/14 8:37
Tetrachloro-m-xylene [1]	120	30-150		5/1/14 8:37
Tetrachloro-m-xylene [2]	116	30-150		5/1/14 8:37

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: B109-5 | Sampled: 4/25/2014 15:38

Sample ID: 14D1017-65

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: DUP-103 | Sampled: 4/25/2014 00:00

Sample ID: 14D1017-66

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:49	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:49	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:49	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:49	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:49	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:49	MJC
Aroclor-1260 [2]	0.12	0.11	mg/Kg dry	5	O-04	SW-846 8082A	4/28/14	5/1/14 8:49	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:49	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 8:49	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	117	30-150		5/1/14 8:49
Decachlorobiphenyl [2]	106	30-150		5/1/14 8:49
Tetrachloro-m-xylene [1]	104	30-150		5/1/14 8:49
Tetrachloro-m-xylene [2]	100	30-150		5/1/14 8:49

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: DUP-103 | Sampled: 4/25/2014 00:00

Sample ID: 14D1017-66

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: DUP-104 | Sampled: 4/25/2014 00:00

Sample ID: 14D1017-67

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:02	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:02	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:02	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:02	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:02	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:02	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:02	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:02	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:02	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	116	30-150		5/1/14 9:02
Decachlorobiphenyl [2]	106	30-150		5/1/14 9:02
Tetrachloro-m-xylene [1]	103	30-150		5/1/14 9:02
Tetrachloro-m-xylene [2]	101	30-150		5/1/14 9:02

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: DUP-104 | Sampled: 4/25/2014 00:00

Sample ID: 14D1017-67

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: DUP-106 | Sampled: 4/25/2014 00:00

Sample ID: 14D1017-69

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:14	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:14	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:14	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:14	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:14	MJC
Aroclor-1254 [1]	0.46	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:14	MJC
Aroclor-1260 [1]	1.1	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:14	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:14	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/28/14	5/1/14 9:14	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.5	30-150		5/1/14 9:14
Decachlorobiphenyl [2]	137	30-150		5/1/14 9:14
Tetrachloro-m-xylene [1]	61.4	30-150		5/1/14 9:14
Tetrachloro-m-xylene [2]	57.9	30-150		5/1/14 9:14

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14D1017

Date Received: 4/25/2014

Field Sample #: DUP-106 | Sampled: 4/25/2014 00:00

Sample ID: 14D1017-69

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	5/1/14	5/2/14 7:59	MXG

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
14D1017-01 [B122-1]	B094892	05/01/14
14D1017-02 [B122-2]	B094892	05/01/14
14D1017-03 [B122-3]	B094892	05/01/14
14D1017-04 [B122-4]	B094892	05/01/14
14D1017-05 [B122-5]	B094892	05/01/14
14D1017-06 [B121-1]	B094892	05/01/14
14D1017-07 [B121-2]	B094892	05/01/14
14D1017-09 [B121-4]	B094892	05/01/14
14D1017-11 [B120-1]	B094892	05/01/14
14D1017-12 [B120-2]	B094892	05/01/14
14D1017-13 [B120-3]	B094892	05/01/14
14D1017-16 [B118-1]	B094892	05/01/14
14D1017-17 [B118-2]	B094892	05/01/14
14D1017-20 [B118-5]	B094892	05/01/14
14D1017-21 [B116-1]	B094892	05/01/14
14D1017-22 [B116-2]	B094892	05/01/14
14D1017-23 [B116-3]	B094892	05/01/14
14D1017-26 [B114-1]	B094892	05/01/14
14D1017-27 [B114-2]	B094892	05/01/14
14D1017-29 [B114-4]	B094892	05/01/14
14D1017-31 [B115-1]	B094892	05/01/14
14D1017-32 [B115-2]	B094892	05/01/14
14D1017-33 [B115-3]	B094892	05/01/14
14D1017-34 [B115-4]	B094892	05/01/14
14D1017-35 [B115-5]	B094892	05/01/14
14D1017-36 [B117-1]	B094892	05/01/14
14D1017-37 [B117-2]	B094892	05/01/14
14D1017-38 [B117-3]	B094892	05/01/14
14D1017-39 [B117-4]	B094892	05/01/14
14D1017-40 [B117-5]	B094892	05/01/14
14D1017-41 [B119-1]	B094892	05/01/14
14D1017-42 [B119-2]	B094892	05/01/14
14D1017-43 [B119-3]	B094892	05/01/14
14D1017-44 [B119-4]	B094892	05/01/14
14D1017-45 [B119-5]	B094892	05/01/14
14D1017-46 [B113-1]	B094892	05/01/14
14D1017-47 [B113-2]	B094892	05/01/14
14D1017-48 [B113-3]	B094892	05/01/14
14D1017-49 [B113-4]	B094892	05/01/14
14D1017-50 [B113-5]	B094892	05/01/14
14D1017-51 [B112-1]	B094892	05/01/14
14D1017-52 [B112-2]	B094892	05/01/14
14D1017-53 [B112-3]	B094892	05/01/14
14D1017-56 [B111-1]	B094892	05/01/14
14D1017-57 [B111-2]	B094892	05/01/14
14D1017-58 [B111-3]	B094892	05/01/14
14D1017-59 [B111-4]	B094892	05/01/14
14D1017-60 [B111-5]	B094892	05/01/14
14D1017-61 [B109-1]	B094892	05/01/14
14D1017-62 [B109-2]	B094892	05/01/14
14D1017-63 [B109-3]	B094892	05/01/14
14D1017-64 [B109-4]	B094892	05/01/14
14D1017-65 [B109-5]	B094892	05/01/14
14D1017-66 [DUP-103]	B094892	05/01/14
14D1017-67 [DUP-104]	B094892	05/01/14

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
14D1017-69 [DUP-106]	B094892	05/01/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14D1017-01 [B122-1]	B094626	10.2	10.0	04/28/14
14D1017-02 [B122-2]	B094626	10.5	10.0	04/28/14
14D1017-03 [B122-3]	B094626	10.3	10.0	04/28/14
14D1017-04 [B122-4]	B094626	10.5	10.0	04/28/14
14D1017-05 [B122-5]	B094626	10.1	10.0	04/28/14
14D1017-06 [B121-1]	B094626	10.6	10.0	04/28/14
14D1017-07 [B121-2]	B094626	10.2	10.0	04/28/14
14D1017-09 [B121-4]	B094626	10.8	10.0	04/28/14
14D1017-11 [B120-1]	B094626	10.4	10.0	04/28/14
14D1017-12 [B120-2]	B094626	10.1	10.0	04/28/14
14D1017-13 [B120-3]	B094626	10.6	10.0	04/28/14
14D1017-16 [B118-1]	B094626	10.2	10.0	04/28/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14D1017-17 [B118-2]	B094627	10.2	10.0	04/28/14
14D1017-20 [B118-5]	B094627	10.5	10.0	04/28/14
14D1017-21 [B116-1]	B094627	10.9	10.0	04/28/14
14D1017-22 [B116-2]	B094627	10.7	10.0	04/28/14
14D1017-23 [B116-3]	B094627	10.1	10.0	04/28/14
14D1017-26 [B114-1]	B094627	10.2	10.0	04/28/14
14D1017-27 [B114-2]	B094627	10.7	10.0	04/28/14
14D1017-29 [B114-4]	B094627	10.1	10.0	04/28/14
14D1017-31 [B115-1]	B094627	10.2	10.0	04/28/14
14D1017-32 [B115-2]	B094627	10.2	10.0	04/28/14
14D1017-33 [B115-3]	B094627	10.4	10.0	04/28/14
14D1017-34 [B115-4]	B094627	10.6	10.0	04/28/14
14D1017-35 [B115-5]	B094627	10.4	10.0	04/28/14
14D1017-36 [B117-1]	B094627	10.8	10.0	04/28/14
14D1017-37 [B117-2]	B094627	10.1	10.0	04/28/14
14D1017-38 [B117-3]	B094627	10.4	10.0	04/28/14
14D1017-39 [B117-4]	B094627	10.9	10.0	04/28/14
14D1017-40 [B117-5]	B094627	10.5	10.0	04/28/14
14D1017-41 [B119-1]	B094627	10.4	10.0	04/28/14
14D1017-42 [B119-2]	B094627	10.5	10.0	04/28/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14D1017-43 [B119-3]	B094628	10.3	10.0	04/28/14
14D1017-44 [B119-4]	B094628	10.2	10.0	04/28/14
14D1017-45 [B119-5]	B094628	10.2	10.0	04/28/14
14D1017-46 [B113-1]	B094628	10.5	10.0	04/28/14
14D1017-47 [B113-2]	B094628	10.4	10.0	04/28/14
14D1017-48 [B113-3]	B094628	10.3	10.0	04/28/14

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14D1017-49 [B113-4]	B094628	10.4	10.0	04/28/14
14D1017-50 [B113-5]	B094628	10.2	10.0	04/28/14
14D1017-51 [B112-1]	B094628	10.3	10.0	04/28/14
14D1017-52 [B112-2]	B094628	10.4	10.0	04/28/14
14D1017-53 [B112-3]	B094628	10.5	10.0	04/28/14
14D1017-56 [B111-1]	B094628	10.3	10.0	04/28/14
14D1017-57 [B111-2]	B094628	10.8	10.0	04/28/14
14D1017-58 [B111-3]	B094628	10.1	10.0	04/28/14
14D1017-59 [B111-4]	B094628	10.4	10.0	04/28/14
14D1017-60 [B111-5]	B094628	10.7	10.0	04/28/14
14D1017-61 [B109-1]	B094628	10.2	10.0	04/28/14
14D1017-62 [B109-2]	B094628	10.4	10.0	04/28/14
14D1017-63 [B109-3]	B094628	10.3	10.0	04/28/14
14D1017-64 [B109-4]	B094628	10.3	10.0	04/28/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14D1017-65 [B109-5]	B094635	10.1	10.0	04/28/14
14D1017-66 [DUP-103]	B094635	10.2	10.0	04/28/14
14D1017-67 [DUP-104]	B094635	10.9	10.0	04/28/14
14D1017-69 [DUP-106]	B094635	10.3	10.0	04/28/14

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B094626 - SW-846 3540C										
Blank (B094626-BLK1)				Prepared: 04/28/14 Analyzed: 04/30/14						
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	*0.192*		mg/Kg wet	0.200		96.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.189*		mg/Kg wet	0.200		94.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.168*		mg/Kg wet	0.200		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg wet	0.200		94.3	30-150			
LCS (B094626-BS1)				Prepared: 04/28/14 Analyzed: 04/30/14						
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		92.7	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		94.3	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		100	40-140			
Surrogate: Decachlorobiphenyl	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.186*		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.201*		mg/Kg wet	0.200		100	30-150			
LCS Dup (B094626-BSD1)				Prepared: 04/28/14 Analyzed: 04/30/14						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		92.4	40-140	0.365	30	
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		104	40-140	0.152	30	
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		93.4	40-140	0.951	30	
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		97.5	40-140	2.49	30	
Surrogate: Decachlorobiphenyl	*0.200*		mg/Kg wet	0.200		99.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.184*		mg/Kg wet	0.200		92.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg wet	0.200		96.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B094626 - SW-846 3540C											
Matrix Spike (B094626-MS1)	**Source: 14D1017-02**			Prepared: 04/28/14 Analyzed: 05/01/14							
Aroclor-1016	0.24	0.11	mg/Kg dry	0.229	0.0	104		40-140			
Aroclor-1016 [2C]	0.25	0.11	mg/Kg dry	0.229	0.0	109		40-140			
Aroclor-1260	5.2	0.11	mg/Kg dry	0.229	5.2	**-18.3**	*	40-140			MS-21
Aroclor-1260 [2C]	5.3	0.11	mg/Kg dry	0.229	5.4	**-51.3**	*	40-140			MS-21
Surrogate: Decachlorobiphenyl	*0.192*		mg/Kg dry	0.229		83.8		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.216*		mg/Kg dry	0.229		94.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.189*		mg/Kg dry	0.229		82.4		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.195*		mg/Kg dry	0.229		85.2		30-150			
Matrix Spike Dup (B094626-MSD1)	**Source: 14D1017-02**			Prepared: 04/28/14 Analyzed: 05/02/14							
Aroclor-1016	0.22	0.11	mg/Kg dry	0.222	0.0	100		40-140	6.30	50	
Aroclor-1016 [2C]	0.24	0.11	mg/Kg dry	0.222	0.0	107		40-140	4.35	50	
Aroclor-1260	5.0	0.11	mg/Kg dry	0.222	5.2	**-97.3**	*	40-140	3.41	50	MS-21
Aroclor-1260 [2C]	5.0	0.11	mg/Kg dry	0.222	5.4	**-161**	*	40-140	4.68	50	MS-21
Surrogate: Decachlorobiphenyl	*0.181*		mg/Kg dry	0.222		81.3		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.203*		mg/Kg dry	0.222		91.5		30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg dry	0.222		80.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.186*		mg/Kg dry	0.222		83.4		30-150			
Batch B094627 - SW-846 3540C											
Blank (B094627-BLK1)				Prepared: 04/28/14 Analyzed: 05/01/14							
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	*0.194*		mg/Kg wet	0.200		97.0		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.200		87.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.4		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.182*		mg/Kg wet	0.200		91.1		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B094627 - SW-846 3540C										
LCS (B094627-BS1)				Prepared: 04/28/14 Analyzed: 05/01/14						
Aroclor-1016	0.23	0.10	mg/Kg wet	0.200		114	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Surrogate: Decachlorobiphenyl	*0.197*		mg/Kg wet	0.200		98.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.194*		mg/Kg wet	0.200		97.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.205*		mg/Kg wet	0.200		102	30-150			
LCS Dup (B094627-BSD1)				Prepared: 04/28/14 Analyzed: 05/01/14						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		112	40-140	2.02	30	
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140	1.03	30	
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		104	40-140	2.43	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		105	40-140	1.65	30	
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		92.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.198*		mg/Kg wet	0.200		98.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.205*		mg/Kg wet	0.200		102	30-150			
Matrix Spike (B094627-MS1)		**Source: 14D1017-17**		Prepared: 04/28/14 Analyzed: 05/01/14						
Aroclor-1016	0.26	0.11	mg/Kg dry	0.225	0.0	117	40-140			
Aroclor-1016 [2C]	0.26	0.11	mg/Kg dry	0.225	0.0	115	40-140			
Aroclor-1260	0.48	0.11	mg/Kg dry	0.225	0.20	124	40-140			
Aroclor-1260 [2C]	0.50	0.11	mg/Kg dry	0.225	0.25	113	40-140			
Surrogate: Decachlorobiphenyl	*0.226*		mg/Kg dry	0.225		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.248*		mg/Kg dry	0.225		110	30-150			
Surrogate: Tetrachloro-m-xylene	*0.217*		mg/Kg dry	0.225		96.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.237*		mg/Kg dry	0.225		105	30-150			
Matrix Spike Dup (B094627-MSD1)		**Source: 14D1017-17**		Prepared: 04/28/14 Analyzed: 05/01/14						
Aroclor-1016	0.27	0.11	mg/Kg dry	0.223	0.0	123	40-140	3.86	50	
Aroclor-1016 [2C]	0.26	0.11	mg/Kg dry	0.223	0.0	117	40-140	1.46	50	
Aroclor-1260	0.49	0.11	mg/Kg dry	0.223	0.20	129	40-140	1.50	50	
Aroclor-1260 [2C]	0.51	0.11	mg/Kg dry	0.223	0.25	118	40-140	1.90	50	
Surrogate: Decachlorobiphenyl	*0.226*		mg/Kg dry	0.223		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.247*		mg/Kg dry	0.223		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.220*		mg/Kg dry	0.223		98.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.241*		mg/Kg dry	0.223		108	30-150			
Batch B094628 - SW-846 3540C										
Blank (B094628-BLK1)				Prepared: 04/28/14 Analyzed: 05/01/14						
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							

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B094628 - SW-846 3540C											
Blank (B094628-BLK1)				Prepared: 04/28/14 Analyzed: 05/01/14							
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	*0.189*		mg/Kg wet	0.200		94.6		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.1		30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg wet	0.200		93.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.180*		mg/Kg wet	0.200		90.0		30-150			
LCS (B094628-BS1)				Prepared: 04/28/14 Analyzed: 05/01/14							
Aroclor-1016	0.23	0.10	mg/Kg wet	0.200		114		40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg wet	0.200		114		40-140			
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		103		40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		110		40-140			
Surrogate: Decachlorobiphenyl	*0.196*		mg/Kg wet	0.200		98.0		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.221*		mg/Kg wet	0.200		110		30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg wet	0.200		103		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.226*		mg/Kg wet	0.200		113		30-150			
LCS Dup (B094628-BSD1)				Prepared: 04/28/14 Analyzed: 05/01/14							
Aroclor-1016	0.24	0.10	mg/Kg wet	0.200		121		40-140	5.93	30	
Aroclor-1016 [2C]	0.24	0.10	mg/Kg wet	0.200		118		40-140	3.28	30	
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		112		40-140	7.58	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		116		40-140	5.71	30	
Surrogate: Decachlorobiphenyl	*0.213*		mg/Kg wet	0.200		106		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.231*		mg/Kg wet	0.200		115		30-150			
Surrogate: Tetrachloro-m-xylene	*0.215*		mg/Kg wet	0.200		108		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.234*		mg/Kg wet	0.200		117		30-150			
Matrix Spike (B094628-MS1)	**Source: 14D1017-43**			Prepared: 04/28/14 Analyzed: 05/02/14							
Aroclor-1016	0.84	0.12	mg/Kg dry	0.240	0.0	**351**	*	40-140			MS-21
Aroclor-1016 [2C]	1.0	0.12	mg/Kg dry	0.240	0.0	**416**	*	40-140			MS-21
Aroclor-1260	5.0	0.12	mg/Kg dry	0.240	5.5	**-221**	*	40-140			MS-21
Aroclor-1260 [2C]	4.1	0.12	mg/Kg dry	0.240	5.6	**-615**	*	40-140			MS-21
Surrogate: Decachlorobiphenyl	*0.259*		mg/Kg dry	0.240		108		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.279*		mg/Kg dry	0.240		116		30-150			
Surrogate: Tetrachloro-m-xylene	*0.251*		mg/Kg dry	0.240		105		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.267*		mg/Kg dry	0.240		111		30-150			
Matrix Spike Dup (B094628-MSD1)	**Source: 14D1017-43**			Prepared: 04/28/14 Analyzed: 05/02/14							
Aroclor-1016	0.80	0.12	mg/Kg dry	0.240	0.0	**333**	*	40-140	5.30	50	MS-21
Aroclor-1016 [2C]	0.95	0.12	mg/Kg dry	0.240	0.0	**397**	*	40-140	4.55	50	MS-21
Aroclor-1260	4.7	0.12	mg/Kg dry	0.240	5.5	**-343**	*	40-140	6.07	50	MS-21
Aroclor-1260 [2C]	3.8	0.12	mg/Kg dry	0.240	5.6	**-755**	*	40-140	8.46	50	MS-21
Surrogate: Decachlorobiphenyl	*0.251*		mg/Kg dry	0.240		105		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.275*		mg/Kg dry	0.240		114		30-150			
Surrogate: Tetrachloro-m-xylene	*0.248*		mg/Kg dry	0.240		103		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.265*		mg/Kg dry	0.240		110		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B094635 - SW-846 3540C										
Blank (B094635-BLK1)				Prepared: 04/28/14 Analyzed: 04/30/14						
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	*0.211*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg wet	0.200		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg wet	0.200		92.2	30-150			
LCS (B094635-BS1)				Prepared: 04/28/14 Analyzed: 04/30/14						
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		95.5	40-140			
Aroclor-1016 [2C]	0.19	0.10	mg/Kg wet	0.200		94.9	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Aroclor-1260 [2C]	0.24	0.10	mg/Kg wet	0.200		119	40-140			
Surrogate: Decachlorobiphenyl	*0.205*		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.189*		mg/Kg wet	0.200		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg wet	0.200		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.4	30-150			
LCS Dup (B094635-BSD1)				Prepared: 04/28/14 Analyzed: 04/30/14						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		104	40-140	8.07	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		108	40-140	13.1	30	
Aroclor-1260	0.23	0.10	mg/Kg wet	0.200		117	40-140	14.3	30	
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		98.7	40-140	19.0	30	
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.176*		mg/Kg wet	0.200		88.2	30-150			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B094892 - % Solids										
Duplicate (B094892-DUP1)	**Source: 14D1017-01**			Prepared: 05/01/14 Analyzed: 05/02/14						
% Solids	86.7		% Wt		85.6			1.28	20	
Duplicate (B094892-DUP2)	**Source: 14D1017-09**			Prepared: 05/01/14 Analyzed: 05/02/14						
% Solids	86.8		% Wt		86.4			0.462	20	
Duplicate (B094892-DUP3)	**Source: 14D1017-21**			Prepared: 05/01/14 Analyzed: 05/02/14						
% Solids	80.4		% Wt		81.2			0.990	20	
Duplicate (B094892-DUP4)	**Source: 14D1017-59**			Prepared: 05/01/14 Analyzed: 05/02/14						
% Solids	96.1		% Wt		96.2			0.104	20	
Duplicate (B094892-DUP5)	**Source: 14D1017-62**			Prepared: 05/01/14 Analyzed: 05/02/14						
% Solids	87.2		% Wt		88.7			1.71	20	
Duplicate (B094892-DUP6)	**Source: 14D1017-69**			Prepared: 05/01/14 Analyzed: 05/02/14						
% Solids	86.3		% Wt		88.9			2.97	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	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.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,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	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

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CHAIN OF CUSTODY RECORD

14D1017

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By:

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER_____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	B122-1	4/25/14	0930		X	S	U	✓	✓		1		A
02	B122-2	"	0932		"	"	"	✓	✓				
03	B122-3	"	0934		"	"	"	✓	✓				
04	B122-4	"	0936		"	"	"	✓	✓				
05	B122-5	"	0938		"	"	"	✓	✓				
06	B121-1	"	1020		"	"	"	✓	✓				
07	B121-2	"	1022		"	"	"	✓	✓				
08	B121-3	"	1024		"	"	"		✓	✓			
09	B121-4	"	1026		"	"	"	✓	✓				
10	B121-5	"	1028		"	"	"		✓	✓			

ANALYSIS REQUESTED

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
Paul Racicot 4/25/14	1555
Received by: (signature) Paul Racicot 4/25/14	1555
Relinquished by: (signature) Paul Racicot 4.25.14	17:45
Received by: (signature) Rebecca Faust 4/25/14	1745

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† 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 IN ACCORDANCE WITH nelac
AIHA ACCREDITED LABORATORY
NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Dissolved Metals
○ Field Filtered
○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 55
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con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

14D1017

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By:

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email: sorokca@nu.com willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER_____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
										ANALYSIS REQUESTED	1	I	A
11	B120-1	4/25/14	1040		X	S	U	✓	✓	✓			
12	B120-2		1042					✓	✓	✓			
13	B120-3		1044					✓	✓	✓			
14	B120-4		1046						✓	✓			
15	B120-5		1048						✓	✓			
16	B118-1		1100					✓	✓				
17	B118-2		1102					✓	✓				
18	B118-3		1104						✓	✓			
19	B118-4		1106						✓	✓			
20	B1185	↓	1108		↓	↓	↓	✓	✓				

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
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Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	4/25/14	Date/Time: 1555
Received by: (signature)	4/25/14	Date/Time: 1555
Relinquished by: (signature)	4/25/14	Date/Time: 17:45
Received by: (signature)	4/25/14	Date/Time: 1745

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† 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 # _____

NELAC & AIHA Certified
WBE/DBE Certified

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

14D1017

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Project #: 860 513-1483
Rocky Hill, CT 06067
Client PO#: 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By:

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #: sorokca@nu.com
Email: willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
21	B116-1	4/25/14	1114		X	S	U	✓	✓	✓	1	I	A
22	B116-2	↓	1116		↓	↓	↓	✓	✓	✓			
23	B116-3		1118					✓	✓	✓			
24	B116-4		1120						✓	✓			
25	B116-5		1122						✓	✓			
26	B114-1		1130					✓	✓				
27	B114-2		1132					✓	✓				
28	B114-3		1134						✓	✓			
29	B114-4		1136					✓	✓				
30	B114-5	↓	1138		↓	↓	↓		✓	✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ 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
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X = Na hydroxide
T = Na thiosulfate
O = Other_____

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

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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

	Date/Time:
Relinquished by: (signature) 4/25/14	1555
Received by: (signature) Paul Racicot 4/25/14	1553
Relinquished by: (signature) Paul Racicot 4/25/14	17:43
Received by: (signature) Rebecca Hurst 4/25/14	1745

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† 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 # _____

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AIHA ACCREDITED LABORATORY
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WBE/DBE Certified

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www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

14D1017

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sinatra

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
31	B115-1	4/25/14	1210		X	S	U	✓	✓		1	I	A
32	B115-2		1212					✓	✓				
33	B115-3		1214					✓	✓				
34	B115-4		1216					✓	✓				
35	B115-5		1218					✓	✓				
36	B117-1		1230					✓	✓				
37	B117-2		1232					✓	✓				
38	B117-3		1234					✓	✓				
39	B117-4		1236					✓	✓				
40	B117-5	↓	1238		↓	↓	↓	✓	✓				

ANALYSIS REQUESTED

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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

	Date/Time
Relinquished by: (signature) 4/25/14	1555
Received by: (signature) Paul Racicot 4/25/14	1555
Relinquished by: (signature) Paul Racicot 4/25/14	1745
Received by: (signature) Rebecca Faust 4/28/14	1745

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† 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 # _____

NELAC & AIHA Certified
WBE/DBE Certified

Dissolved Metals
○ Field Filtered
○ 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
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O = Other_____

***Matrix Code:**
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WW= wastewater
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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

14D1017

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Slatnick

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER_____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
								1	1	A			
41	B119-1	4/25/14	1300		X	S	U	✓	✓				
42	B119-2	"	1302		"	"	"	✓	✓				
43	B119-3		1304					✓	✓				
44	B119-4		1306					✓	✓				
45	B119-5		1308					✓	✓				
46	B113-1		1400					✓	✓				
47	B113-2		1402					✓	✓				
48	B113-3		1404					✓	✓				
49	B113-4		1406					✓	✓				
50	B113-5	✓	1408		↓	↓	↓	✓	✓				

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
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Comments:
Note soxhlet extraction rqmts. for samples and TAT.

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
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4/25/14	1555
Received by: (signature) 4/25/14	1555
Relinquished by: (signature) 4/25/14	1725
Received by: (signature) 4/28/14	1745

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
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Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
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◉ RCP Form Required
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NELAC & AIHA Certified
WBE/DBE Certified

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www.contestlabs.com
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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

14D1017

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: WILL SIROTNAK

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: willsonj@wseinc.com
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Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
51	B112-1	4/25/14	1430		X	S	U	✓	✓		1	I	A
52	B112-2	↓	1432		↓	↓	↓	✓	✓				
53	B112-3		1434					✓	✓				
54	B112-4		1436						✓	✓			
55	B112-5		1438						✓	✓			
56	B111-1		1500					✓	✓				
57	B111-2		1502					✓	✓				
58	B111-3		1504					✓	✓				
59	B111-4		1506					✓	✓				
60	B111-5	✓	1508		✓	✓	✓	✓	✓				

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
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T=tedlar bag
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Comments:
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Relinquished by: (signature) [signature] 4/25/14	Date/Time: 1555	
Received by: (signature) Paul Racicot 4/25/14	Date/Time: 1555	
Relinquished by: (signature) Paul Racicot 4/25/14	Date/Time: 17:45	
Received by: (signature) Rebecca Sweet 4/25/14	Date/Time: 1745	

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
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☐ †72-Hr ☐ †4-Day
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Massachusetts:
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Other:

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○ MCP Form Required
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CHAIN OF CUSTODY RECORD

14D1017

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: WILL SHETNAK

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

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01	B-109-1	4/23/14	1530		X	S	U	✓	✓		1	I	A
02	B109-2	↓	1532		↓	↓	↓	✓	✓				
03	B109-3		1534					✓	✓				
04	B109-4		1536					✓	✓				
05	B109-5		1538					✓	✓				
06	Dup-103		—					✓	✓				
07	Dup-104		—					✓	✓				
08	Dup-105		—						✓	✓			
09	Dup-106	↓	—		↓	↓	↓	✓	✓				

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
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****Preservation**
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Relinquished by: (signature)	4/25/14	Date/Time: 1655
Received by: (signature) Paul Racicot	4/25/14	Date/Time: 1755
Relinquished by: (signature) Paul Racicot	4.25.14	Date/Time: 1745
Received by: (signature) Rebecca Lund	4/25/14	Date/Time: 1745

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† 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 # _____

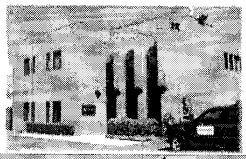
ACCREDITED IN ACCORDANCE WITH nelac
AIHA ACCREDITED LABORATORY
NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Northeast Utilities RECEIVED BY: RLF DATE: 4/25/14

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 6.1°C
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	69
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		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

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) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
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 requsted 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	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** **Date/Time:**

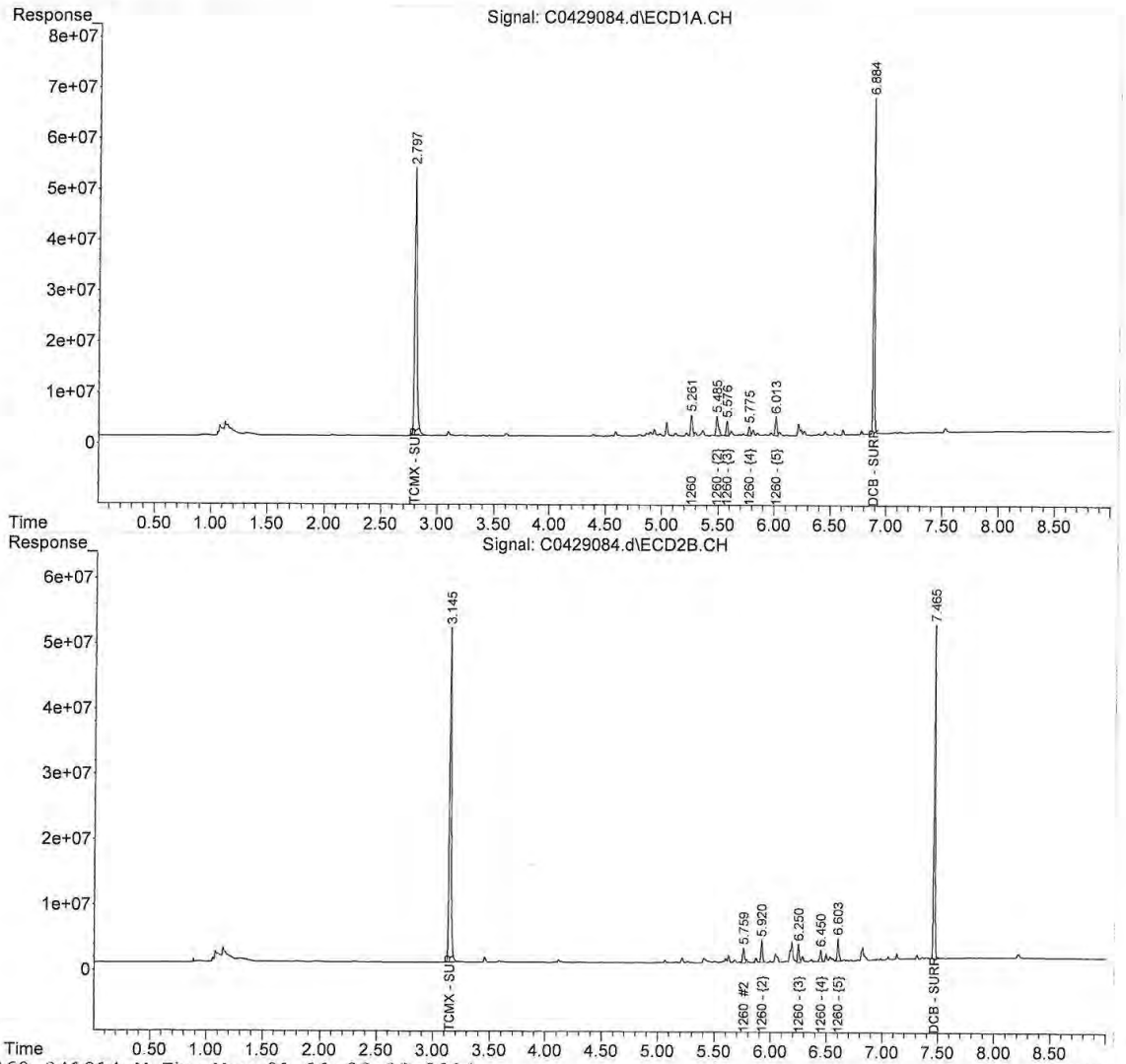
RLF 4/25/14 1745

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\042914\
Data File : C0429084.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Apr 2014 19:09 pm
Operator : JMB
Sample : 14D1017-01@5X Inst : DUAL ECD3
Misc :
ALS Vial : 84 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 01 05:20:06 2014
Quant Method : C:\msdchem\1\methods\3-1260-041814.M
Quant Title : 1260/1016 04/08/14 02/25/14
QLast Update : Wed Apr 09 08:44:08 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



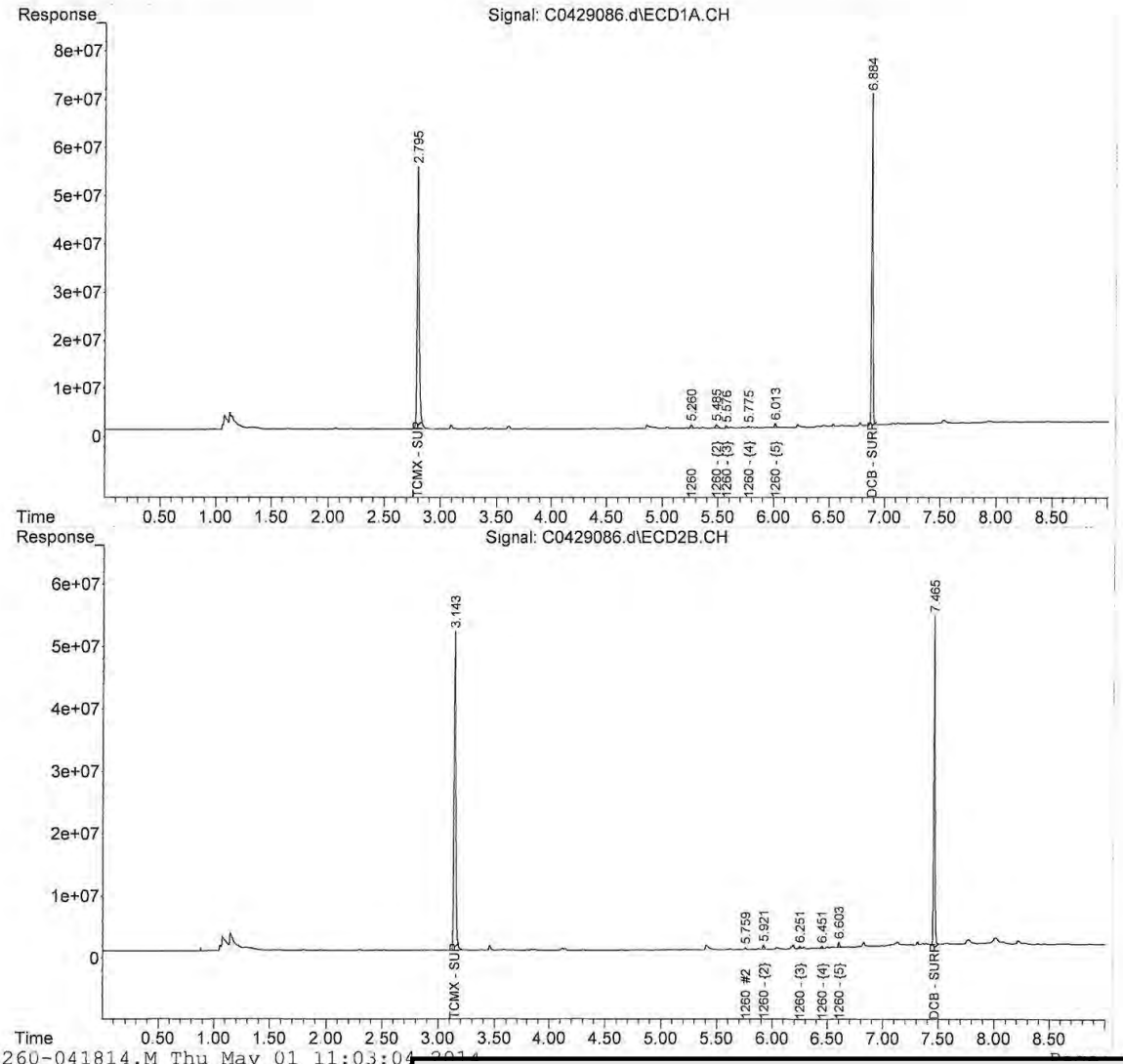
3-1260-041814.M Thu May 01 11:03:02

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\042914\
Data File : C0429086.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Apr 2014 19:35 pm
Operator : JMB
Sample : 14D1017-03@5X Inst : DUAL ECD3
Misc :
ALS Vial : 86 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 01 05:20:12 2014
Quant Method : C:\msdchem\1\methods\3-1260-041814.M
Quant Title : 1260/1016 04/08/14 02/25/14
QLast Update : Wed Apr 09 08:44:08 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

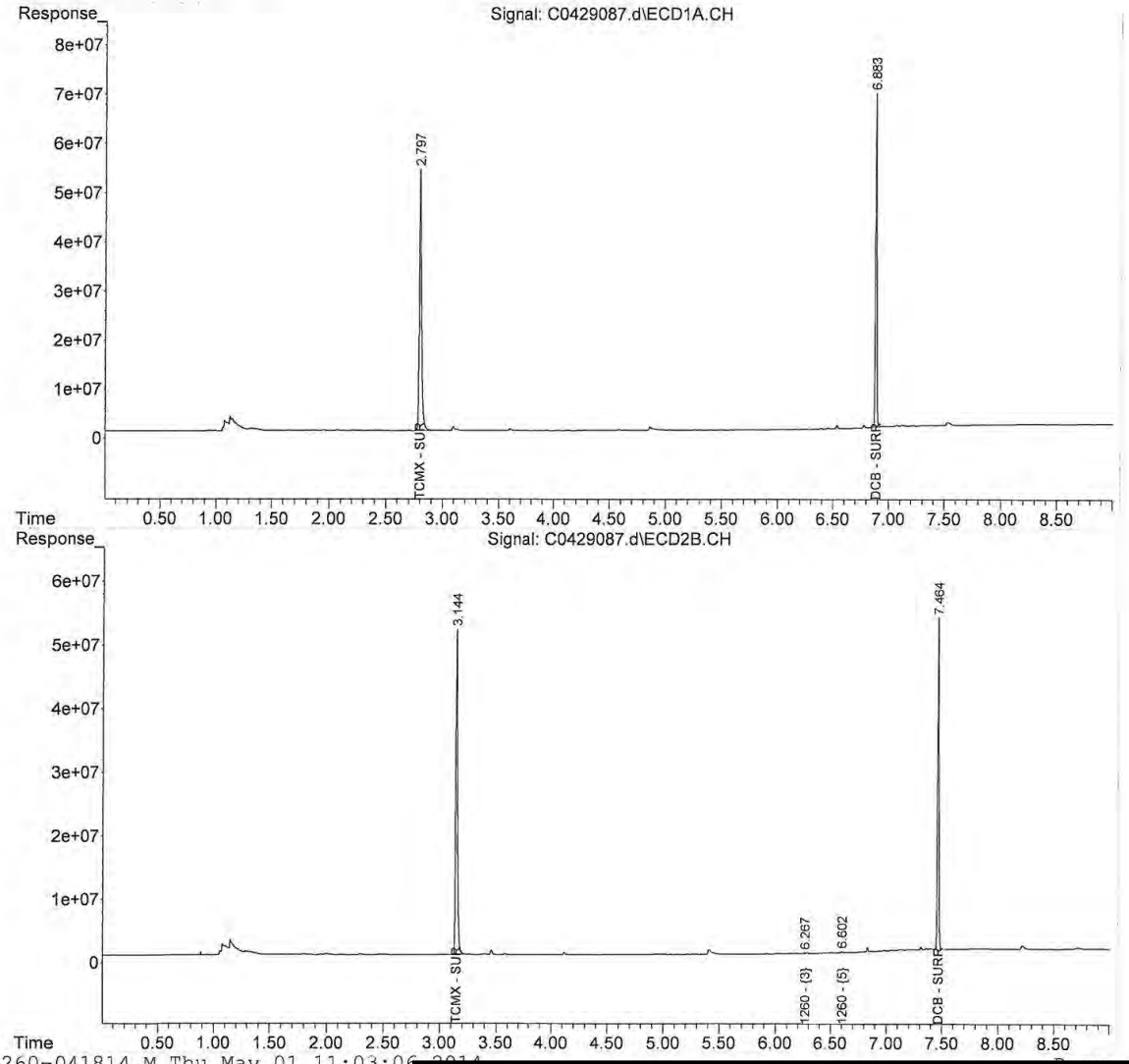


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\042914\
Data File : C0429087.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Apr 2014 19:48 pm
Operator : JMB
Sample : 14D1017-04@5X Inst : DUAL ECD3
Misc :
ALS Vial : 87 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 01 05:20:15 2014
Quant Method : C:\msdchem\1\methods\3-1260-041814.M
Quant Title : 1260/1016 04/08/14 02/25/14
QLast Update : Wed Apr 09 08:44:08 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



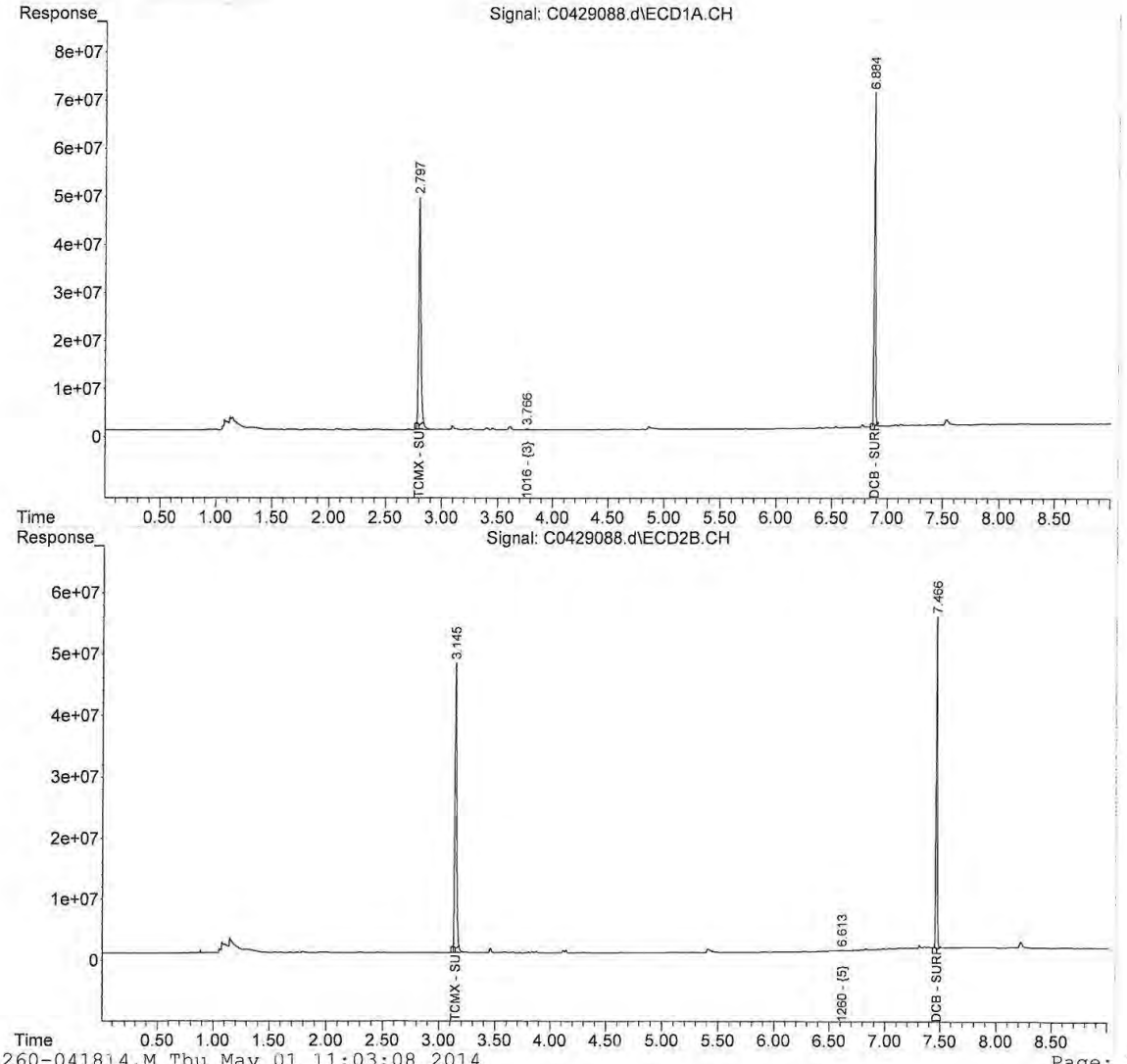
3-1260-041814.M Thu May 01 11:03:06 2014

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\042914\
Data File : C0429088.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Apr 2014 20:01 pm
Operator : JMB
Sample : 14D1017-05@5X Inst : DUAL ECD3
Misc :
ALS Vial : 88 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 01 05:20:18 2014
Quant Method : C:\msdchem\1\methods\3-1260-041814.M
Quant Title : 1260/1016 04/08/14 02/25/14
QLast Update : Wed Apr 09 08:44:08 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



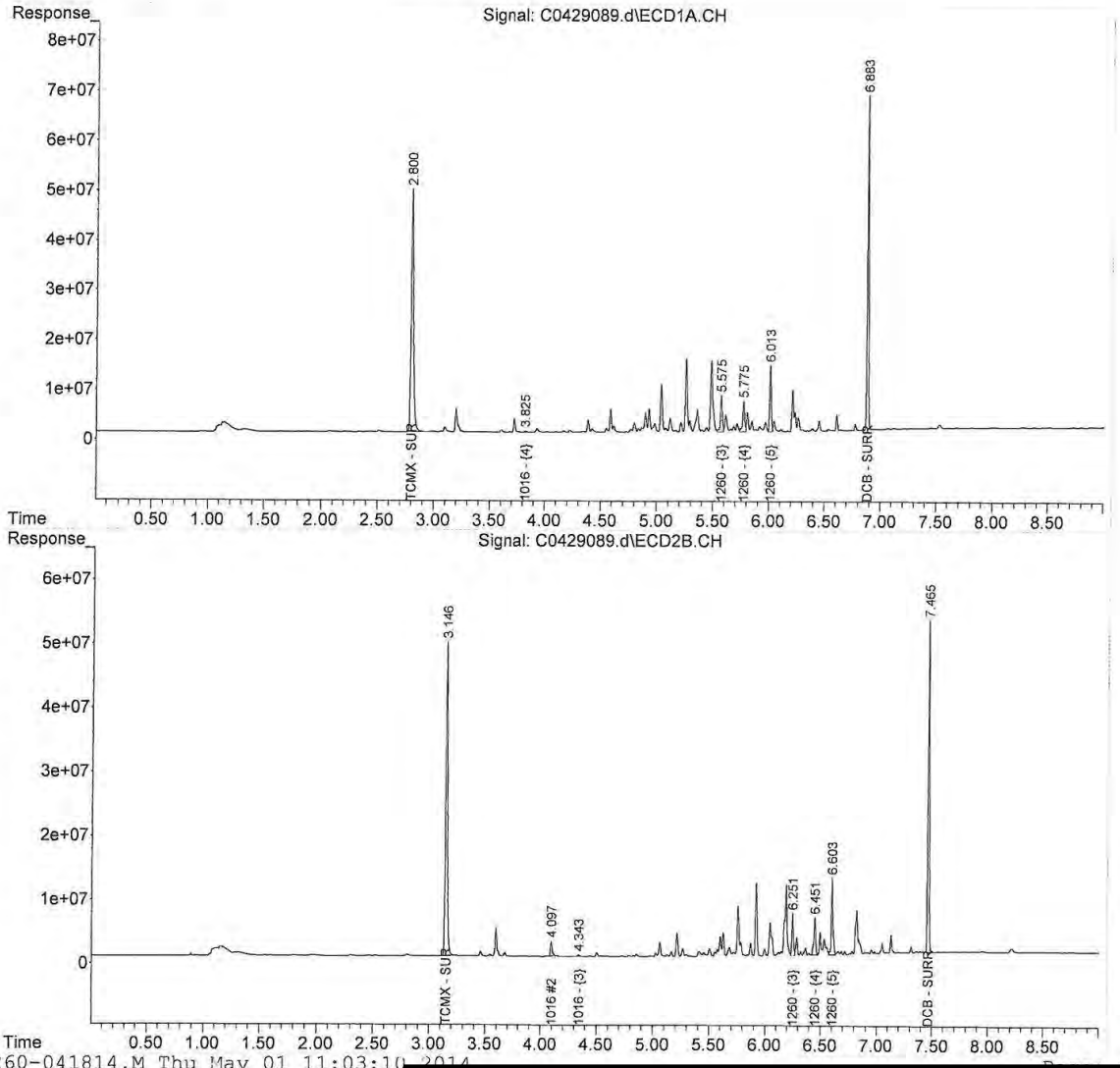
3-1260-041814.M Thu May 01 11:03:08 2014 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\042914\
Data File : C0429089.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Apr 2014 20:14 pm
Operator : JMB
Sample : 14D1017-06@5X Inst : DUAL ECD3
Misc :
ALS Vial : 89 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 01 09:38:01 2014
Quant Method : C:\msdchem\1\methods\3-1260-041814.M
Quant Title : 1260/1016 04/08/14 02/25/14
QLast Update : Wed Apr 09 08:44:08 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



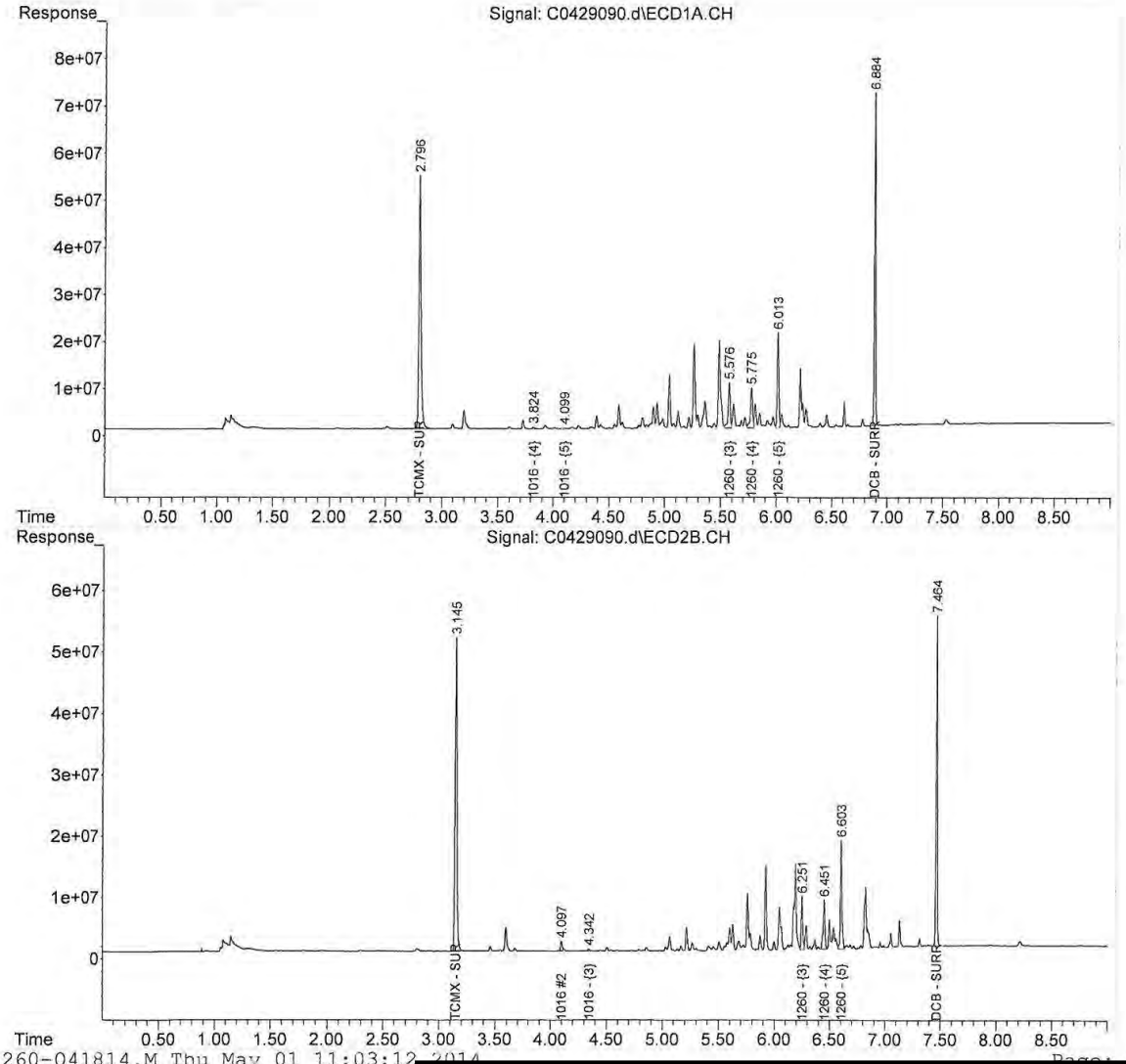
3-1260-041814.M Thu May 01 11:03:10 2014

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\042914\
Data File : C0429090.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Apr 2014 20:27 pm
Operator : JMB
Sample : 14D1017-07@5X Inst : DUAL ECD3
Misc :
ALS Vial : 90 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 01 09:40:05 2014
Quant Method : C:\msdchem\1\methods\3-1260-041814.M
Quant Title : 1260/1016 04/08/14 02/25/14
QLast Update : Wed Apr 09 08:44:08 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

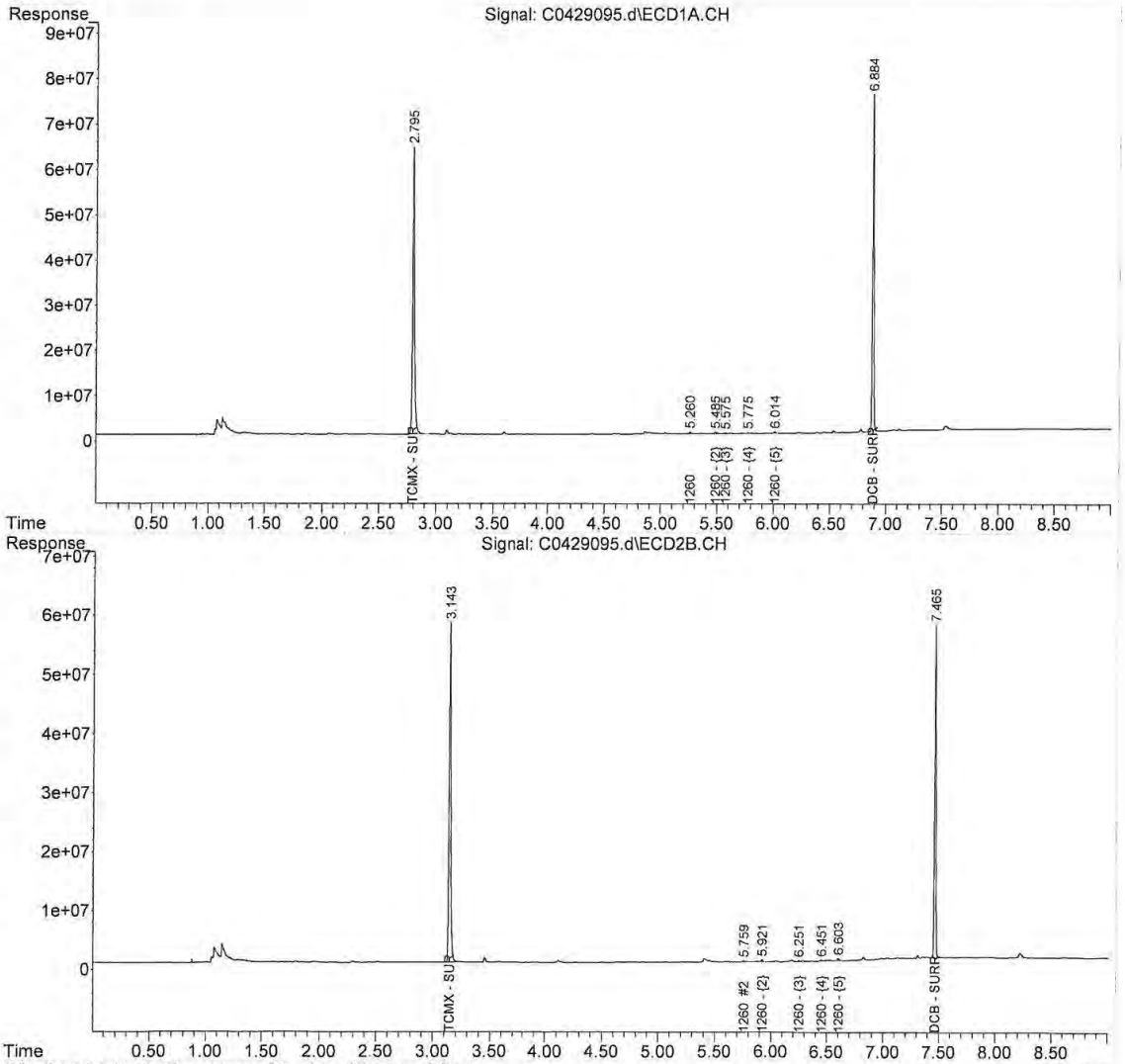


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\042914\
Data File : C0429095.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Apr 2014 21:32 pm
Operator : JMB
Sample : 14D1017-09@5X Inst : DUAL ECD3
Misc :
ALS Vial : 95 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 01 05:20:38 2014
Quant Method : C:\msdchem\1\methods\3-1260-041814.M
Quant Title : 1260/1016 04/08/14 02/25/14
QLast Update : Wed Apr 09 08:44:08 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

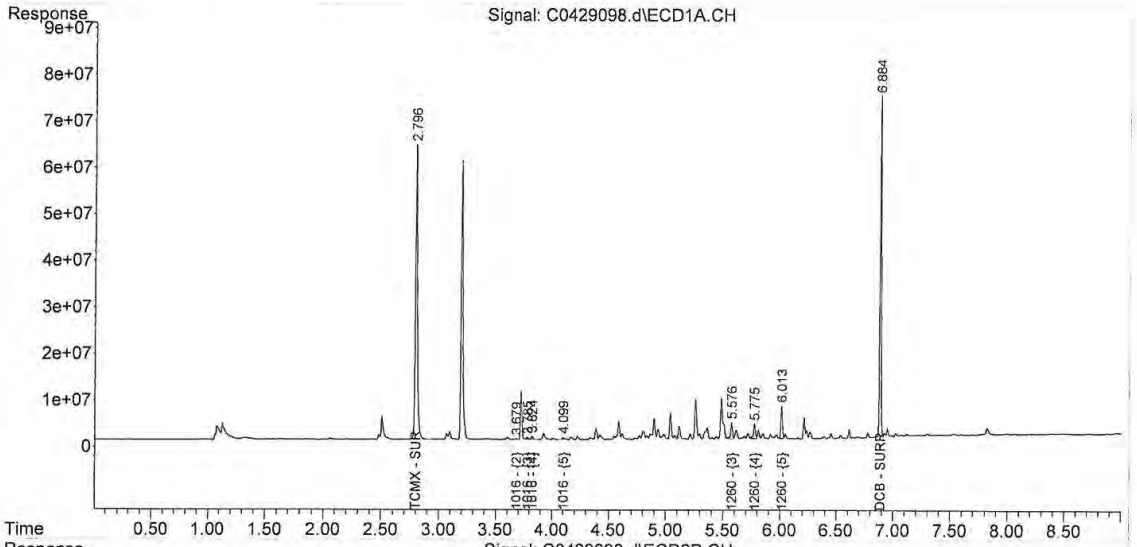


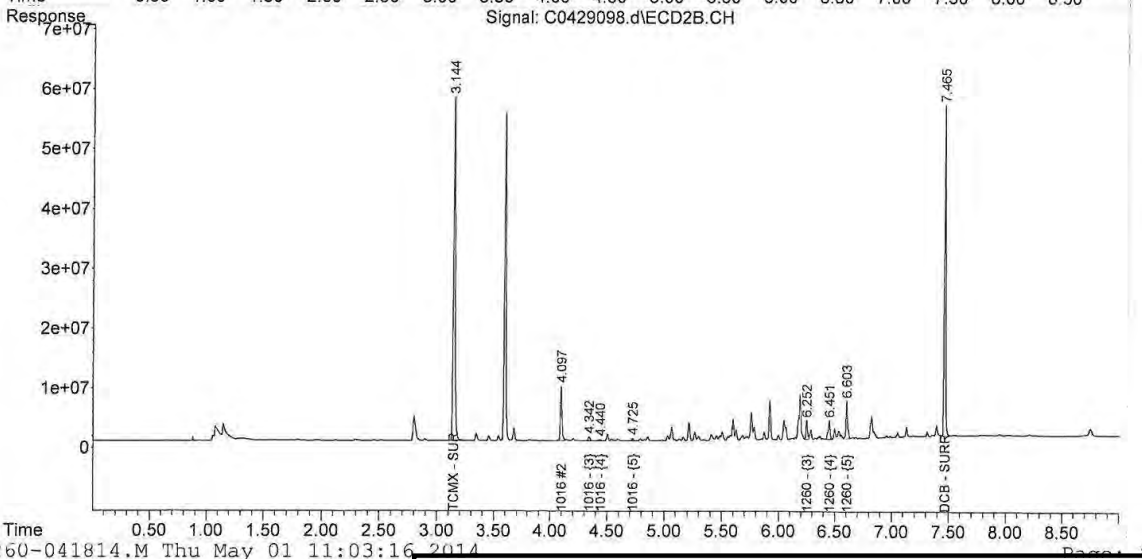
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\042914\
Data File : C0429098.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 30 Apr 2014 22:11 pm
Operator : JMB
Sample : 14D1017-13@5X Inst : DUAL ECD3
Misc :
ALS Vial : 98 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 01 09:44:45 2014
Quant Method : C:\msdchem\1\methods\3-1260-041814.M
Quant Title : 1260/1016 04/08/14 02/25/14
QLast Update : Wed Apr 09 08:44:08 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





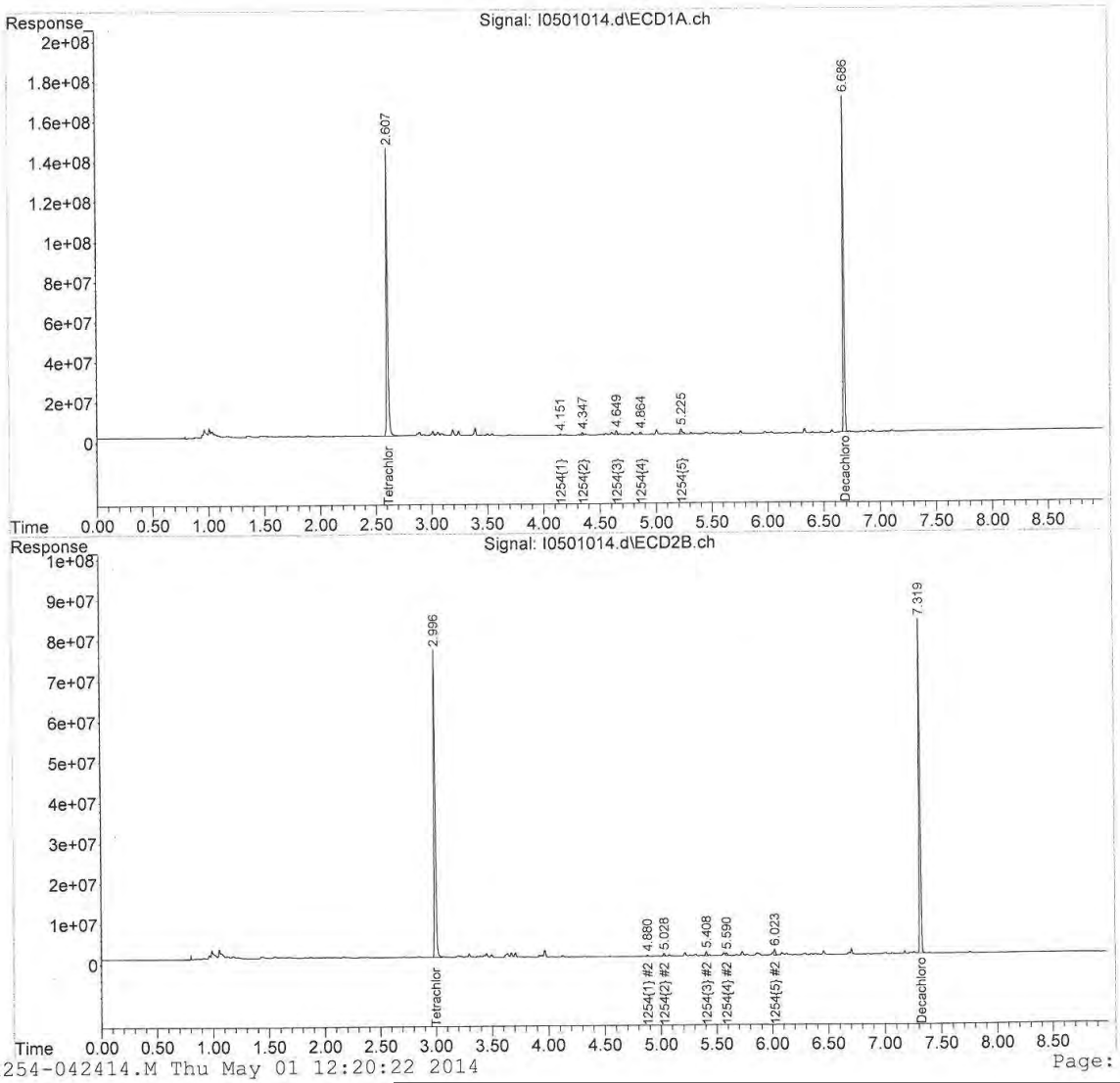
3-1260-041814.M Thu May 01 11:03:16 2014

Quantitation Report (Not Reviewed)

ath : C:\msdchem\1\data\050114\
File : I0501014.d
al(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
On : 1 May 2014 8:37 am
erator : JMB
ample : 14D1017-65@5X Inst : ECD 9
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 01 12:20:21 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-042414.M
Quant Title : 1254 04/16/14 03/07/14
QLast Update : Wed Apr 16 15:38:05 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



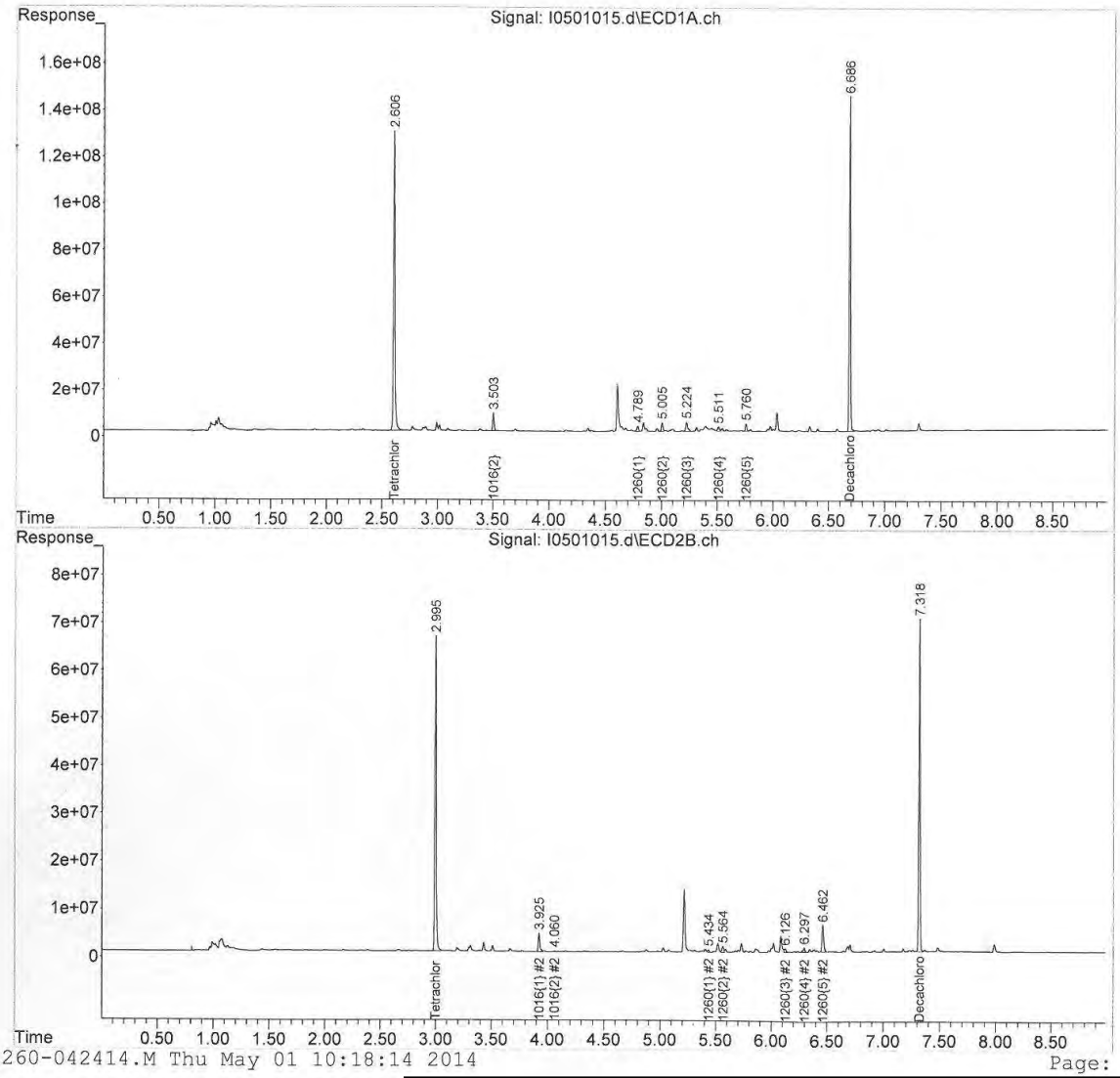
9-1254-042414.M Thu May 01 12:20:22 2014 Page: 2

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\050114\
Data File : I0501015.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 May 2014 8:49 am
Operator : JMB
Sample : 14D1017-66@5X Inst : ECD 9
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 01 10:18:13 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-042414.M
Quant Title : 1260/1016 04/17/14 02/25/14
QLast Update : Thu Apr 24 14:43:26 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



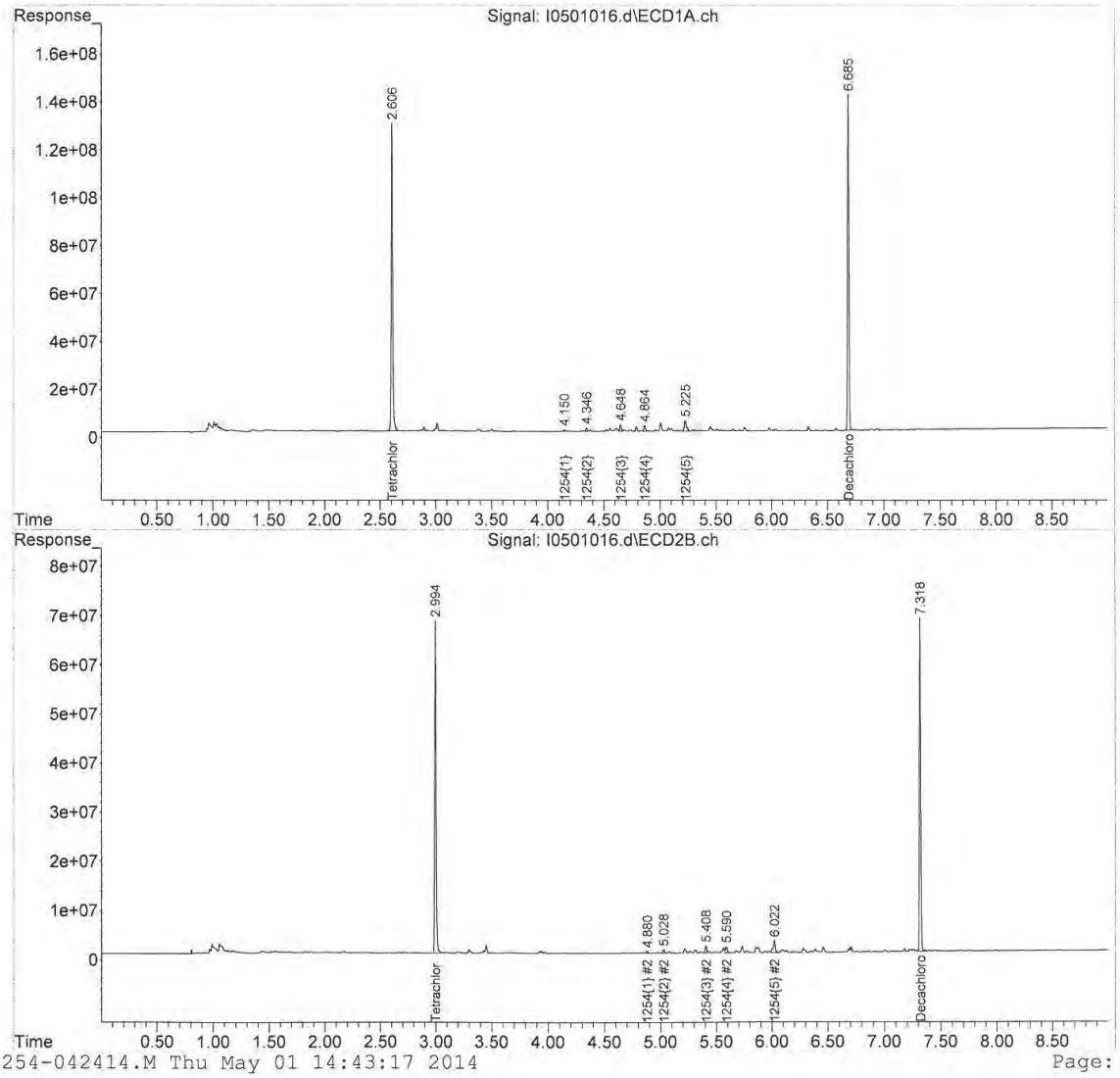
9-1260-042414.M Thu May 01 10:18:14 2014 Page: 2

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\050114\
Data File : I0501016.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 May 2014 9:02 am
Operator : JMB
Sample : 14D1017-67@5X Inst : ECD 9
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 01 12:22:52 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-042414.M
Quant Title : 1254 04/16/14 03/07/14
QLast Update : Wed Apr 16 15:38:05 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

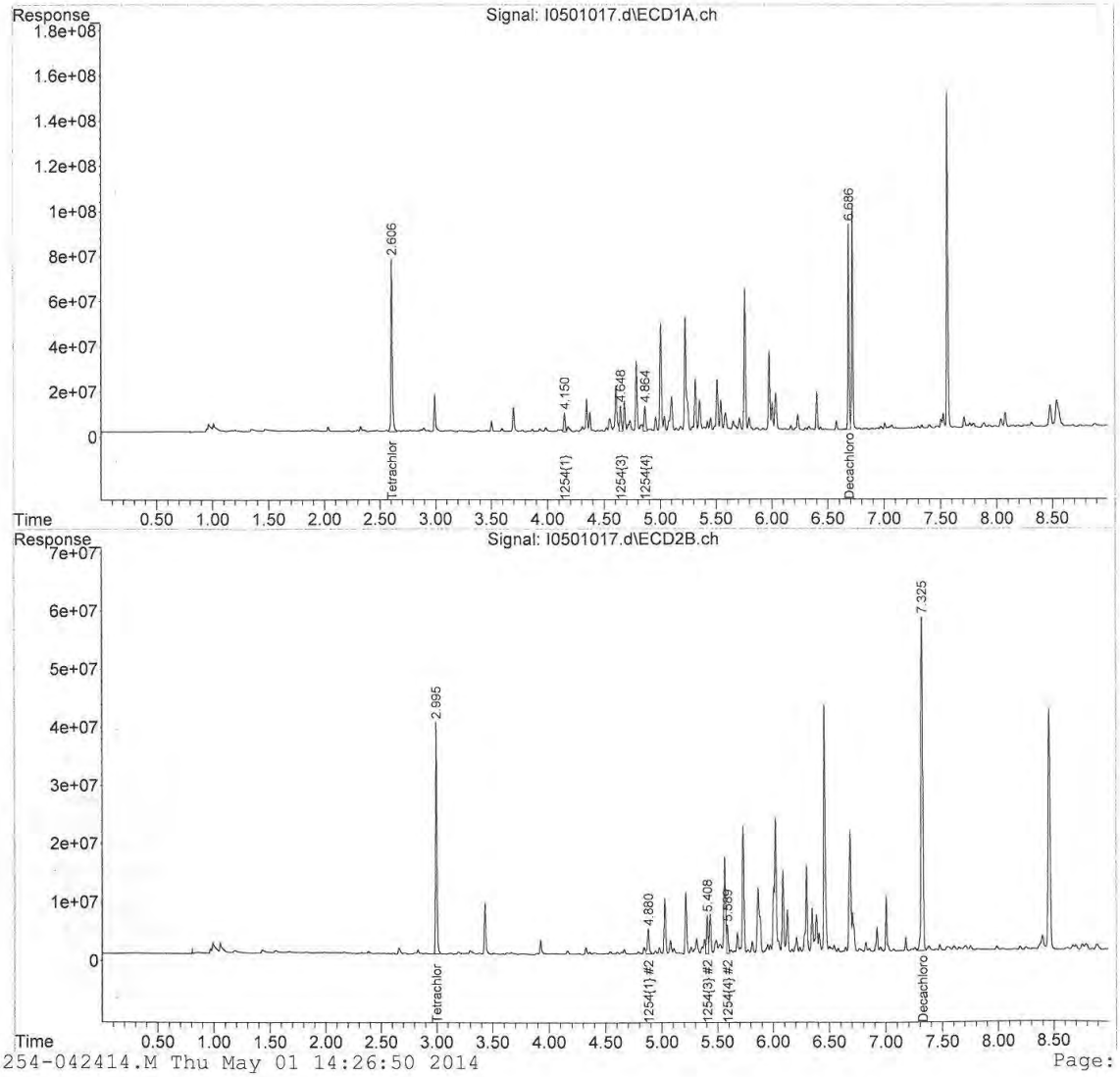


Quantitation Report (QT Reviewed)

Path : C:\msdchem\1\data\050114\
File : I0501017.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 May 2014 9:14 am
Operator : JMB
Sample : 14D1017-69@5X Inst : ECD 9
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 01 14:26:42 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-042414.M
Quant Title : 1254 04/16/14 03/07/14
QLast Update : Wed Apr 16 15:38:05 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



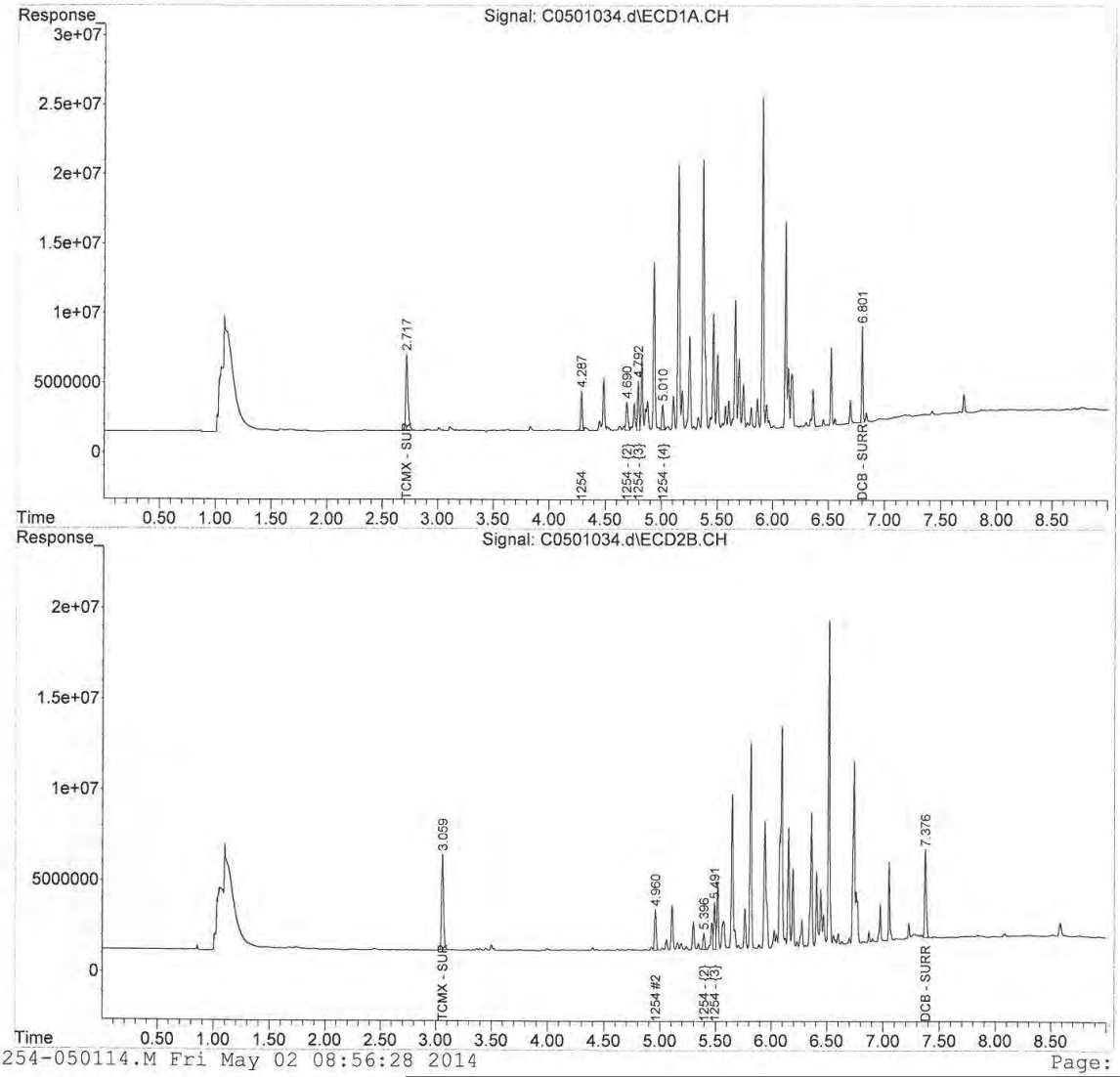
9-1254-042414.M Thu May 01 14:26:50 2014 Page: 2

Quantitation Report (QT Reviewed)

Path : C:\msdchem\1\data\050114A\
File : C0501034.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 22:17 pm
Operator : JMB
Sample : 14D1017-02@50X Inst : DUAL ECD3
Misc :
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 02 08:56:20 2014
Quant Method : C:\msdchem\1\methods\3-1254-050114.M
Quant Title : 1254 04/08/14 03/07/14
QLast Update : Wed Apr 09 08:51:18 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

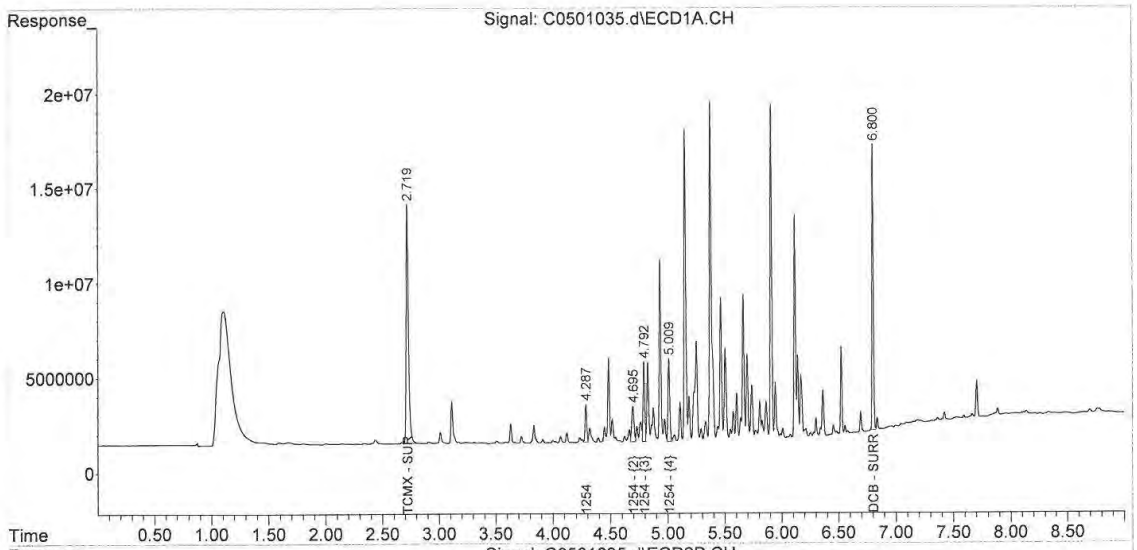


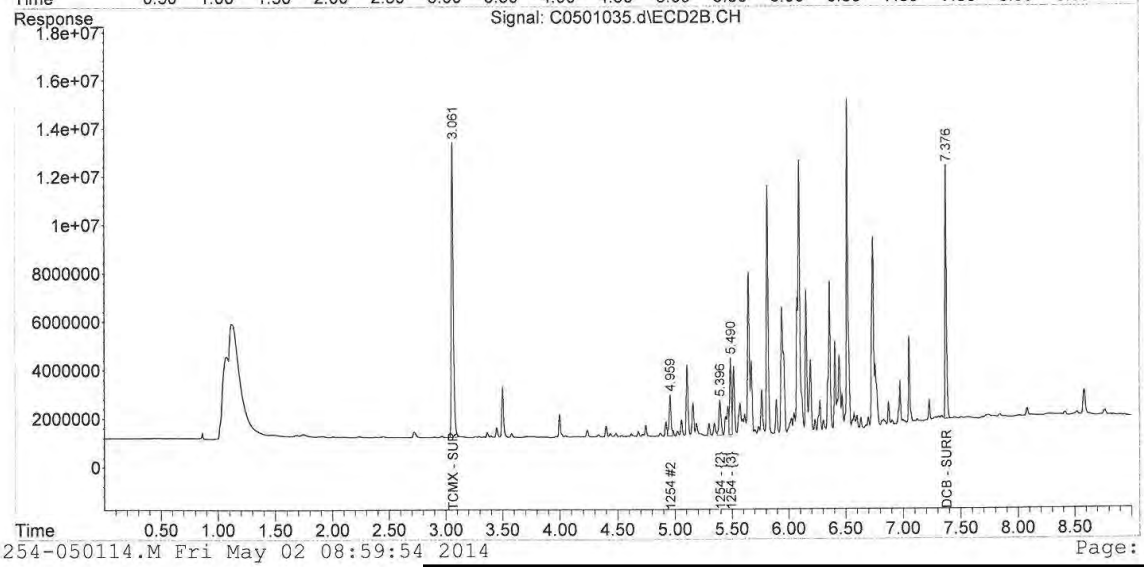
Quantitation Report (QT Reviewed)

Path : C:\msdchem\1\data\050114A\
File : C0501035.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
On : 01 May 2014 22:30 pm
Operator : JMB
Sample : 14D1017-11@20X Inst : DUAL ECD3
Misc :
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 02 08:59:47 2014
Quant Method : C:\msdchem\1\methods\3-1254-050114.M
Quant Title : 1254 04/08/14 03/07/14
QLast Update : Wed Apr 09 08:51:18 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



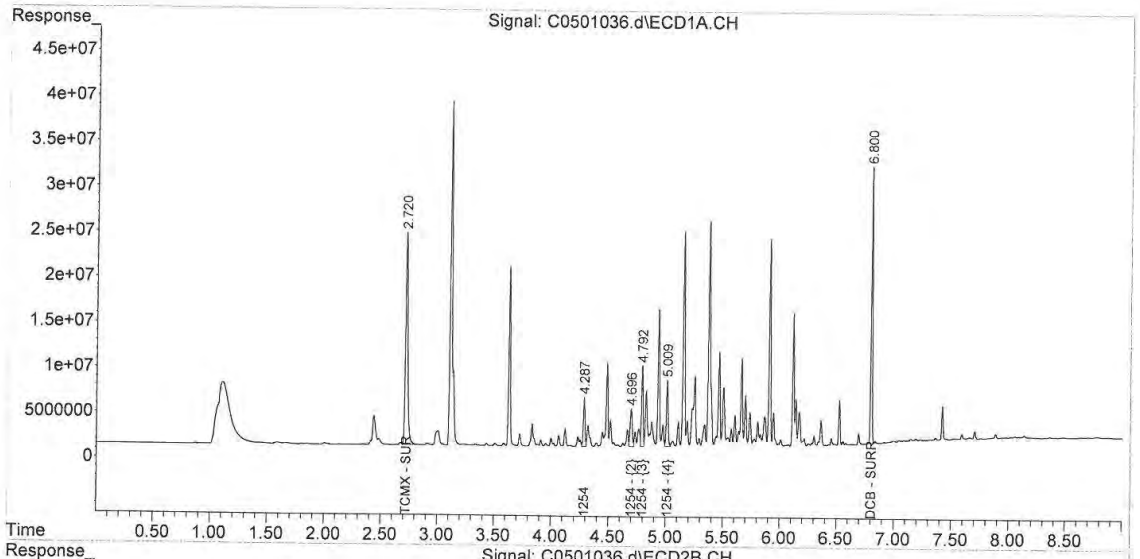


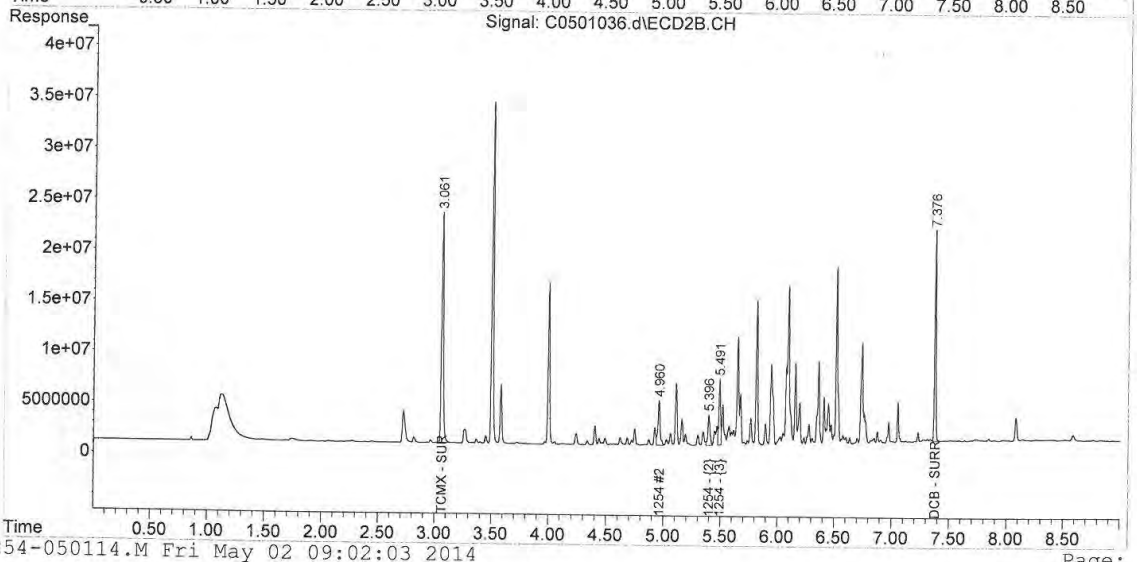
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050114A\
Data File : C0501036.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 22:43 pm
Operator : JMB
Sample : 14D1017-12@10X Inst : DUAL ECD3
Misc :
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 02 09:01:56 2014
Quant Method : C:\msdchem\1\methods\3-1254-050114.M
Quant Title : 1254 04/08/14 03/07/14
QLast Update : Wed Apr 09 08:51:18 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



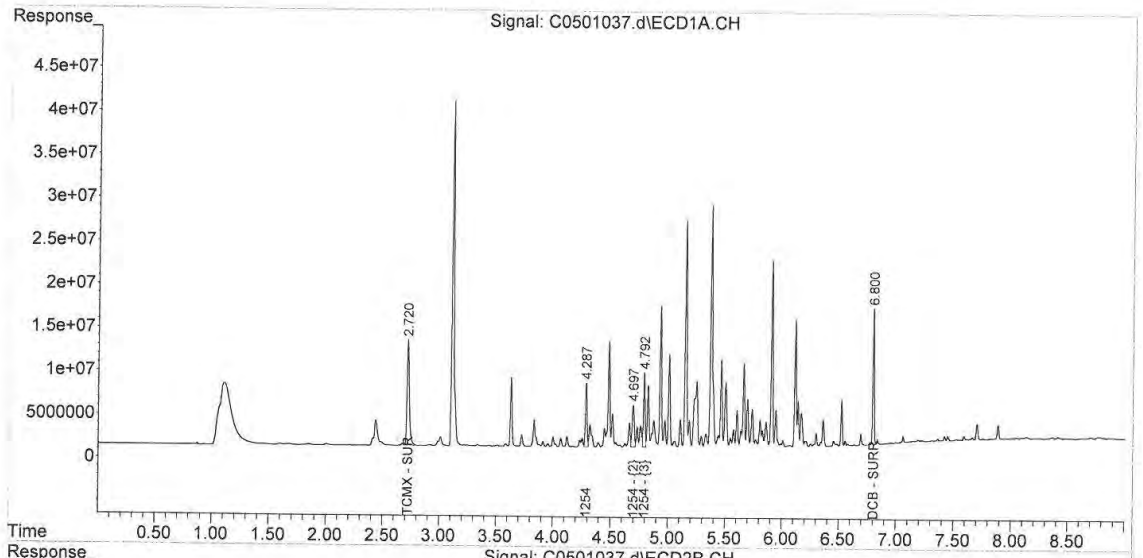


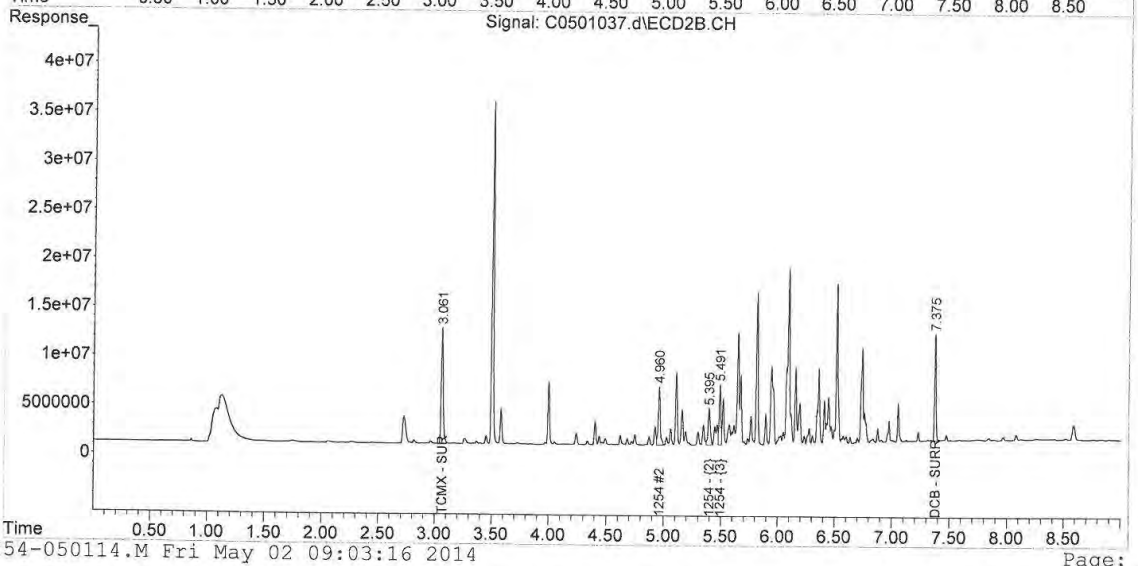
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050114A\
Data File : C0501037.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 22:56 pm
Operator : JMB
Sample : 14D1017-16@20X Inst : DUAL ECD3
Misc :
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 02 09:03:10 2014
Quant Method : C:\msdchem\1\methods\3-1254-050114.M
Quant Title : 1254 04/08/14 03/07/14
QLast Update : Wed Apr 09 08:51:18 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





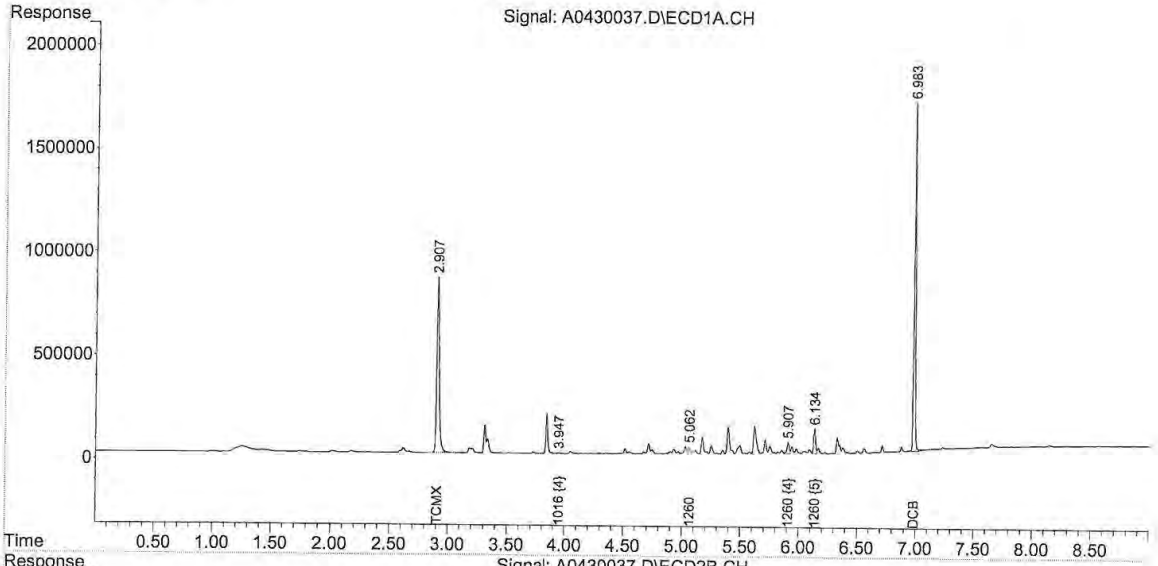
3-1254-050114.M Fri May 02 09:03:16 2014 Page: 2

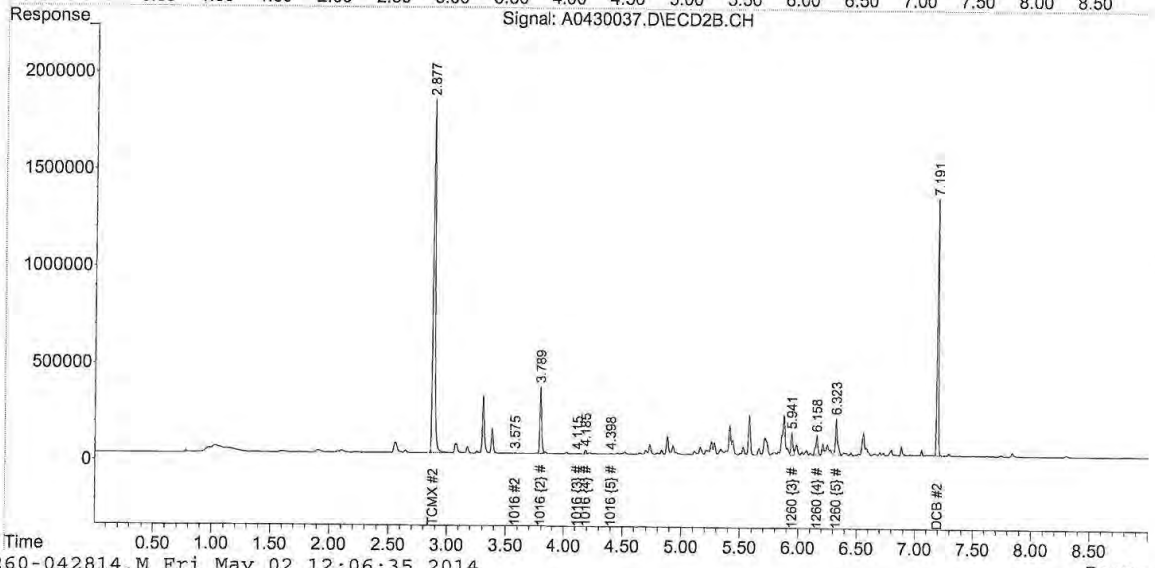
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 3:16 pm
Operator : JMB
Sample : 14D1017-17@5X Inst : HP G1530A
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 10:05:50 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





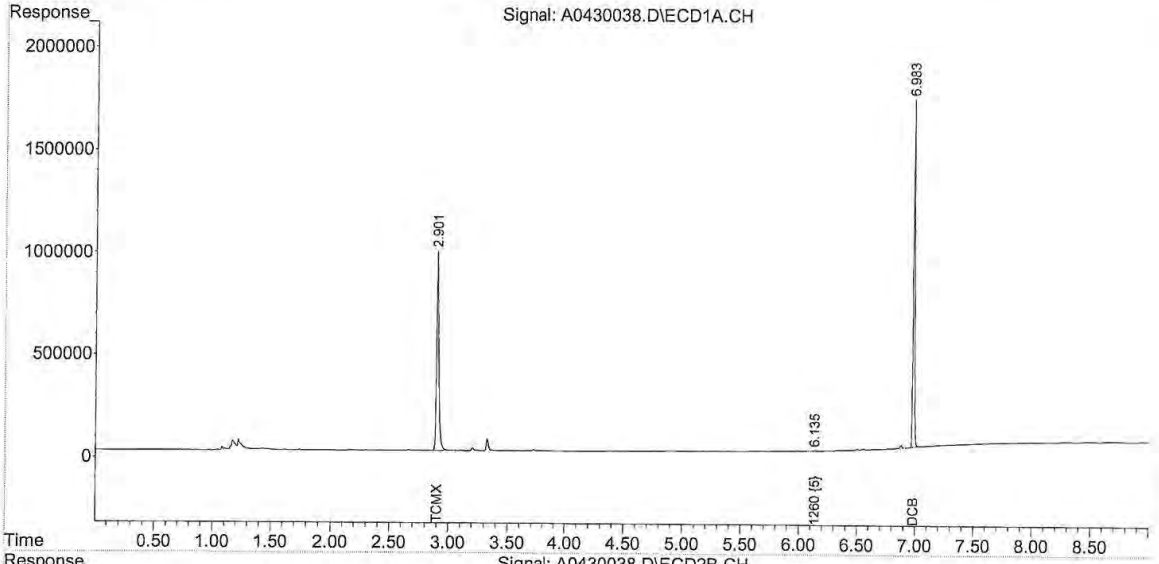
1-1260-042814.M Fri May 02 12:06:35 2014

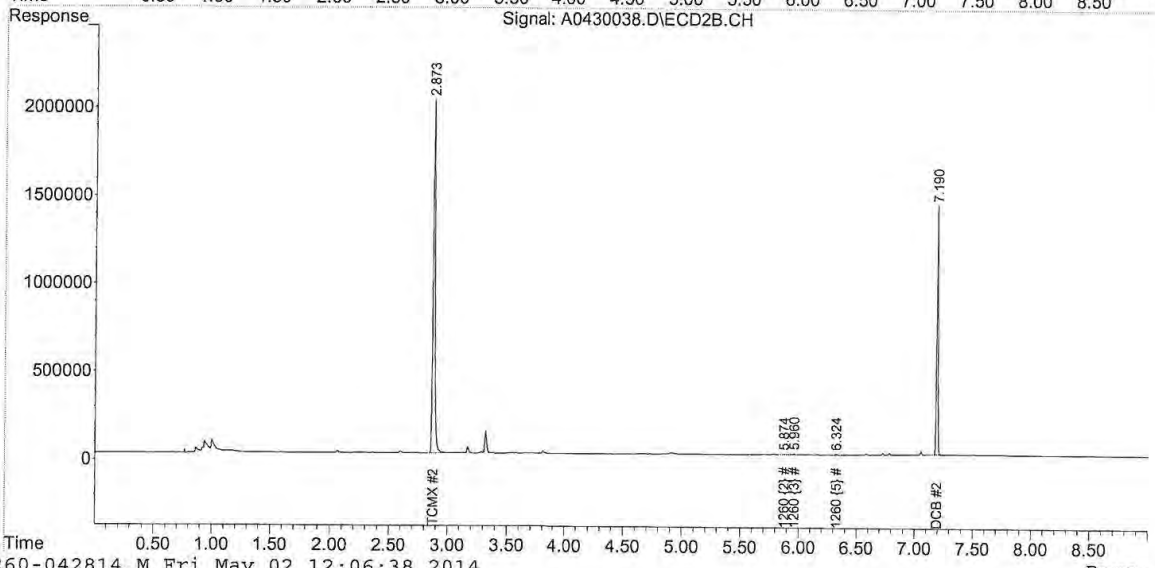
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 3:30 pm
Operator : JMB
Sample : 14D1017-20@5X Inst : HP G1530A
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:26 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





1-1260-042814.M Fri May 02 12:06:38 2014

Quantitation Report (Not Reviewed)

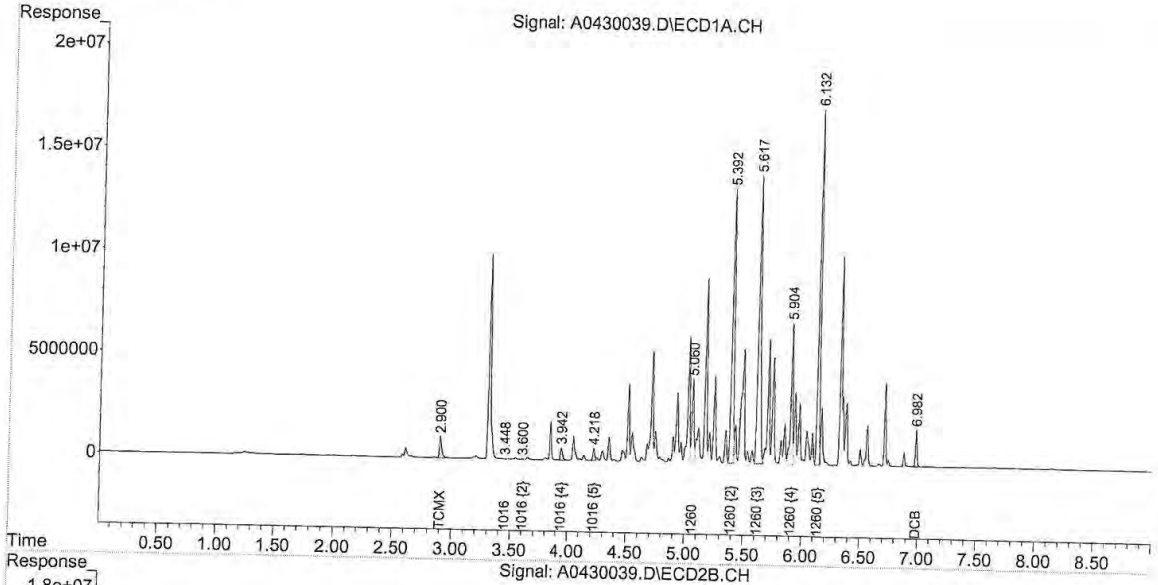
Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 3:43 pm
Operator : JMB
Sample : 14D1017-21@5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

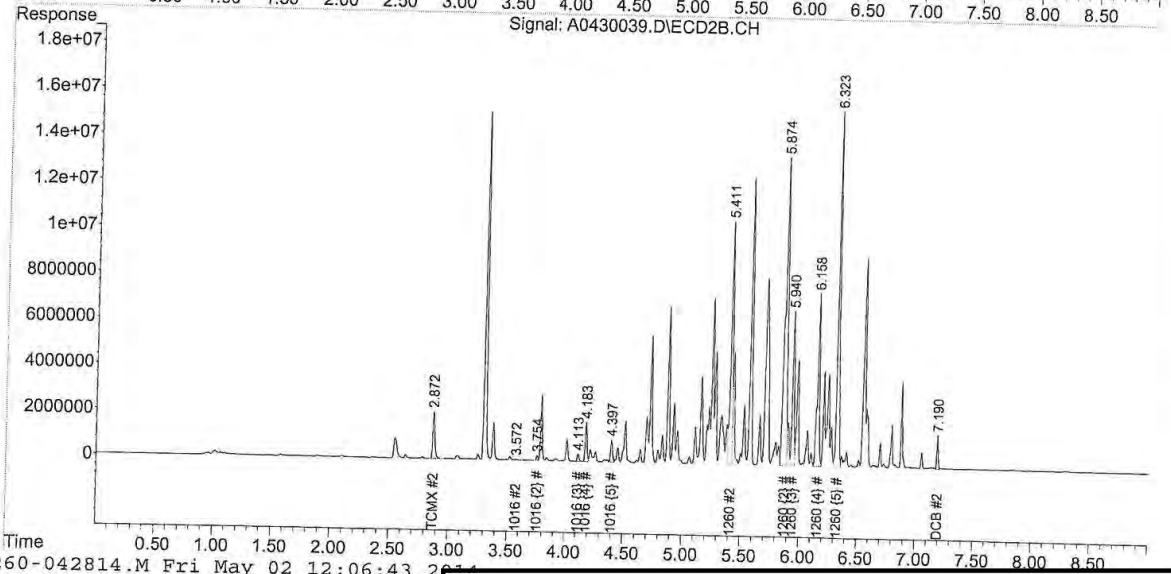
Inst : HP G1530A

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:28 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :





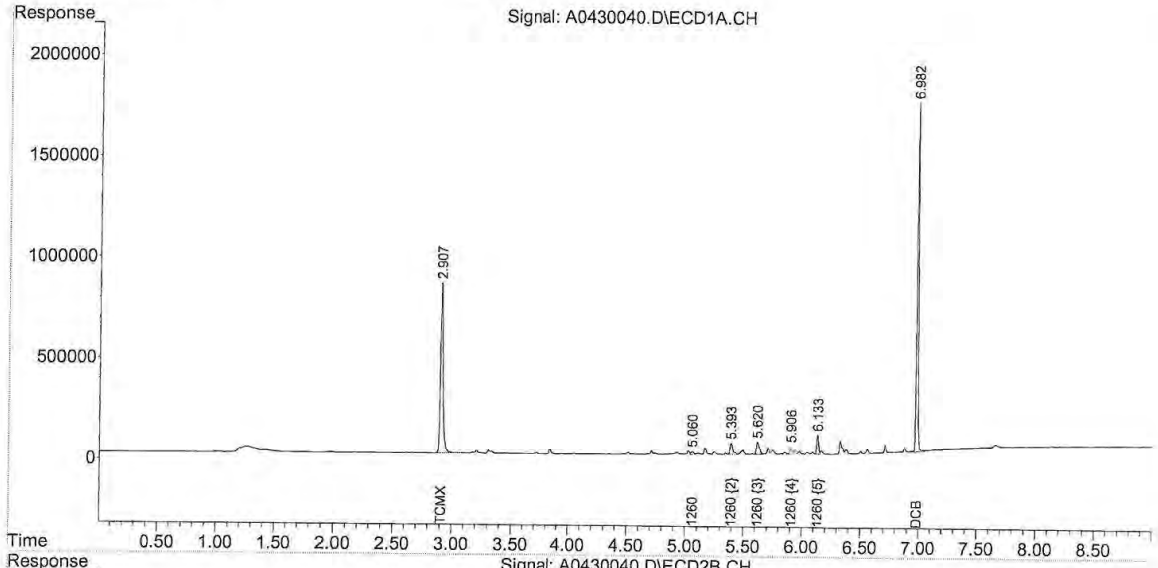
1-1260-042814.M Fri May 02 12:06:43 2014

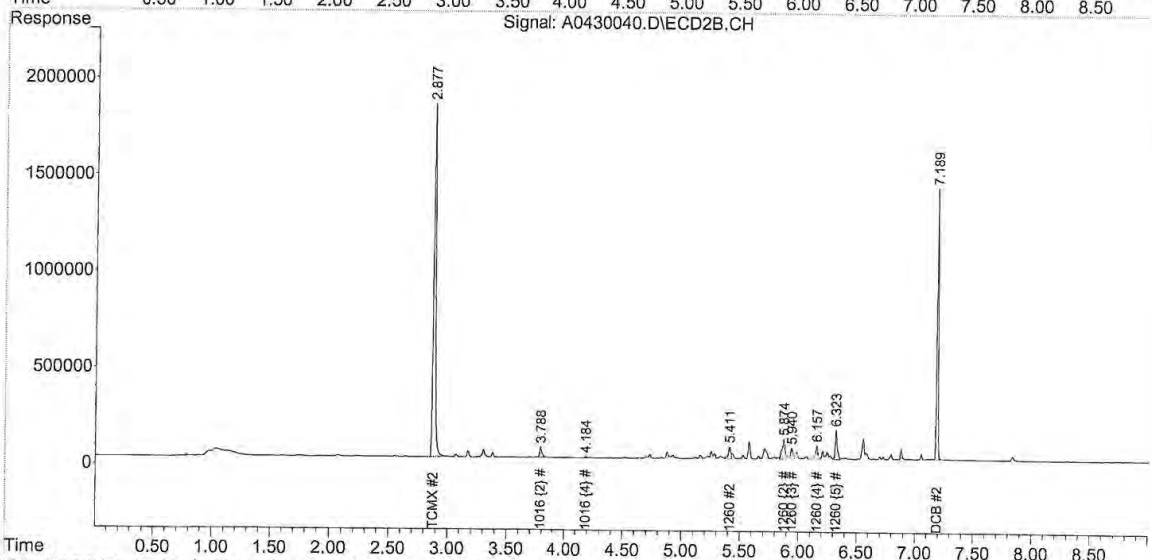
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 3:56 pm
Operator : JMB
Sample : 14D1017-22@5X Inst : HP G1530A
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:30 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





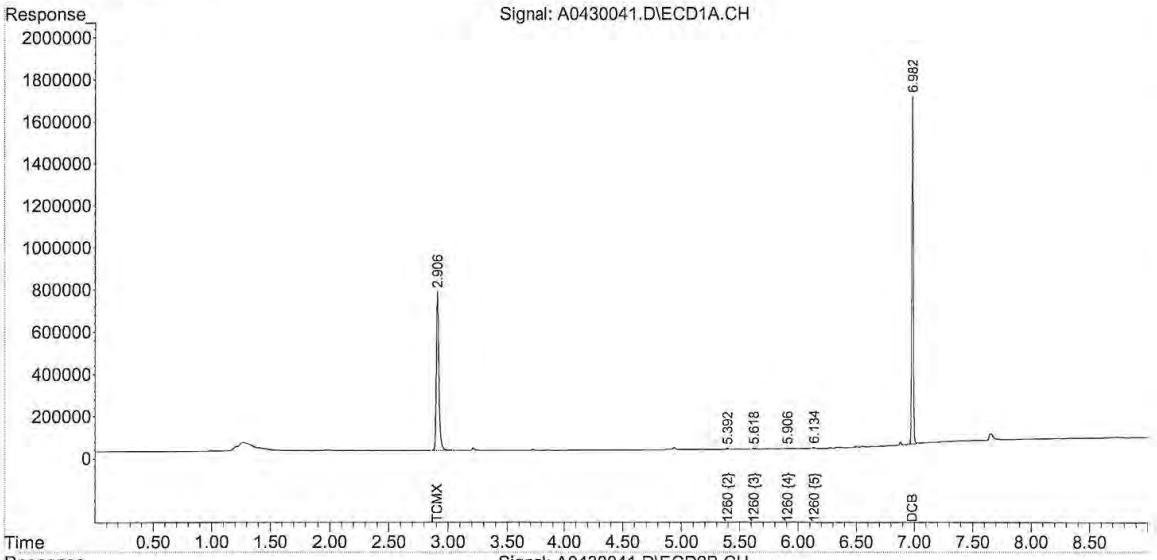
1-1260-042814.M Fri May 02 12:06:46 2

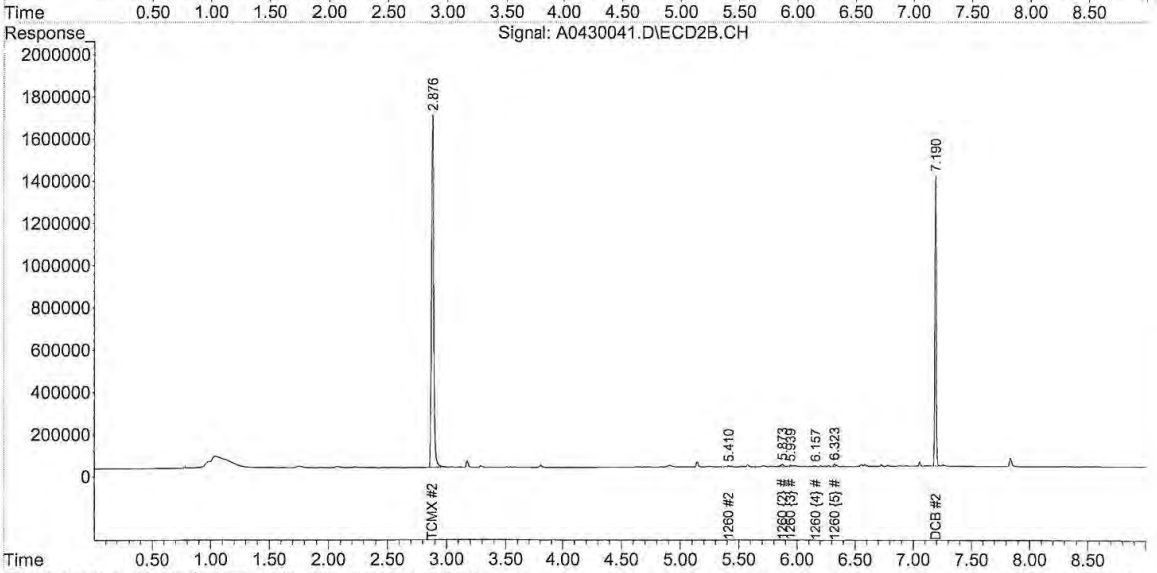
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 4:09 pm
Operator : JMB
Sample : 14D1017-23@5X Inst : HP G1530A
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:32 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



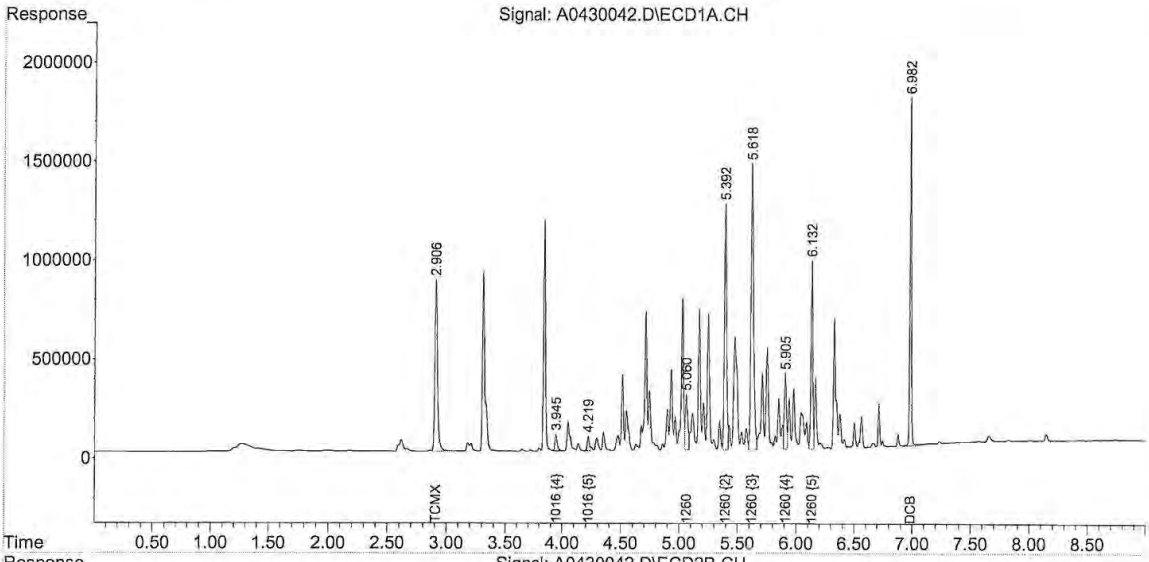


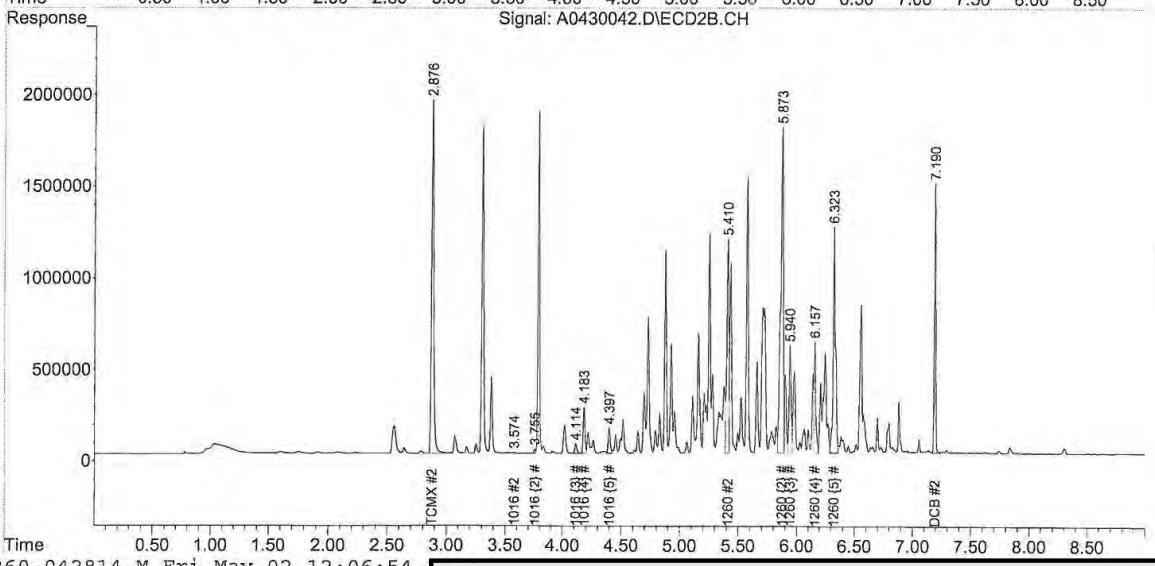
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 4:22 pm
Operator : JMB
Sample : 14D1017-26@5X Inst : HP G1530A
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:34 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



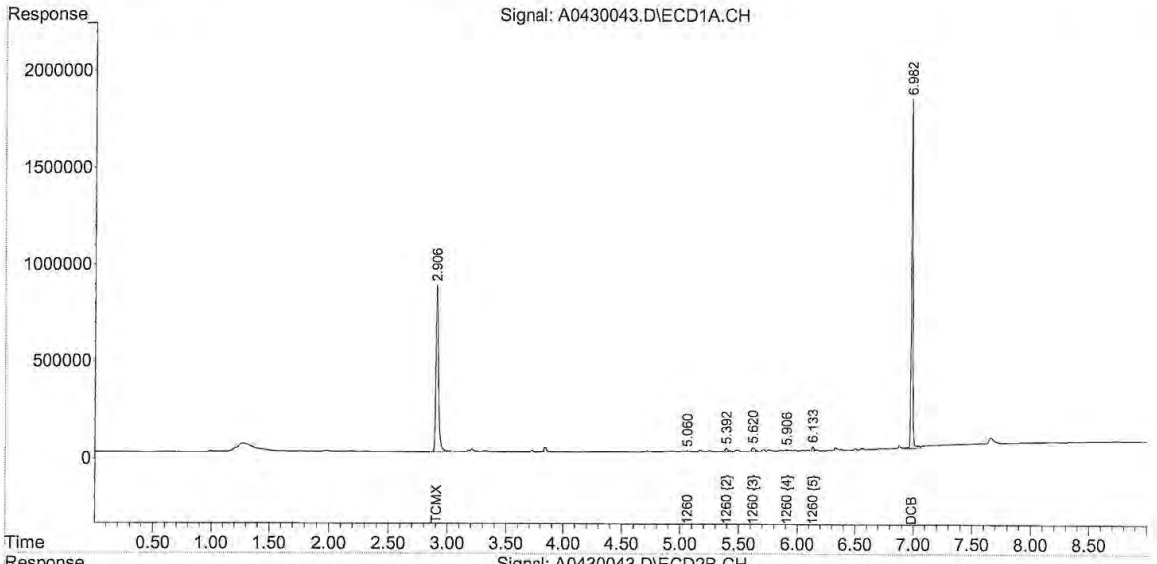


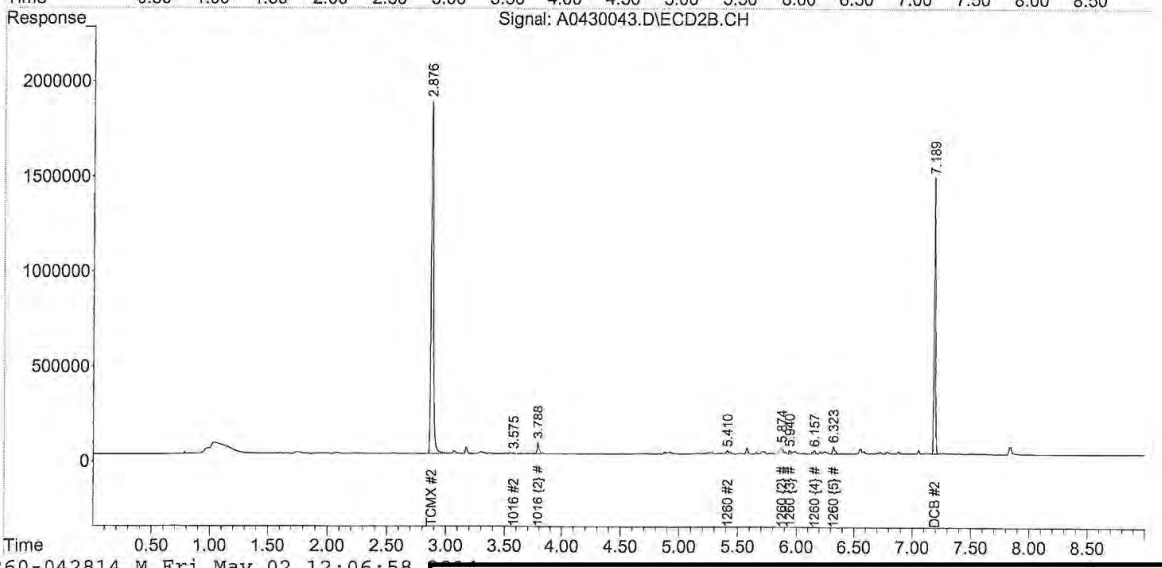
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 4:36 pm
Operator : JMB
Sample : 14D1017-27@5X Inst : HP G1530A
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:36 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





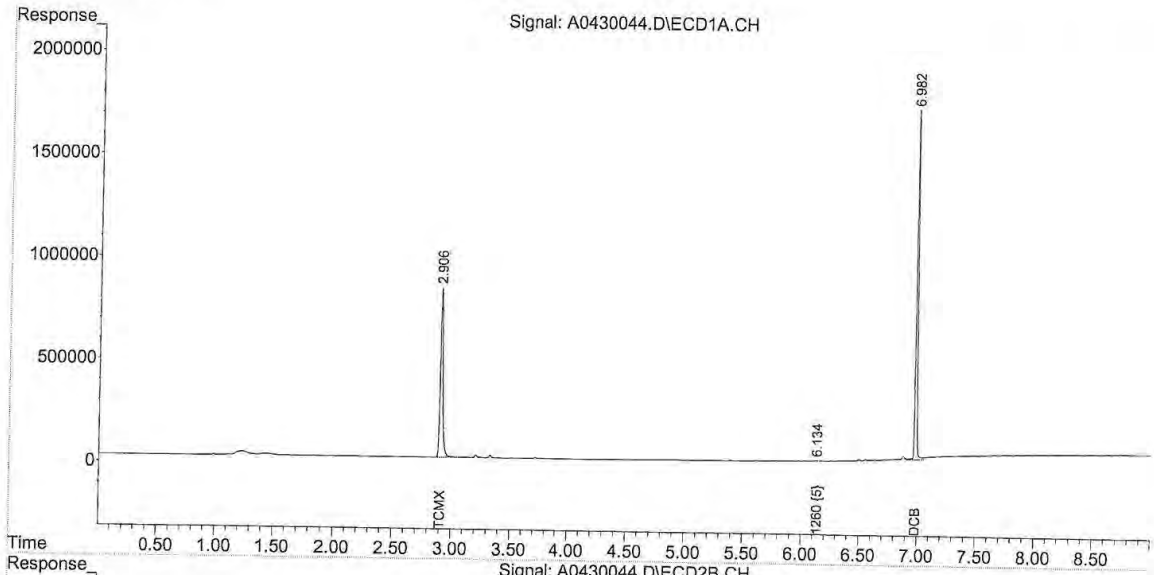
1-1260-042814.M Fri May 02 12:06:58

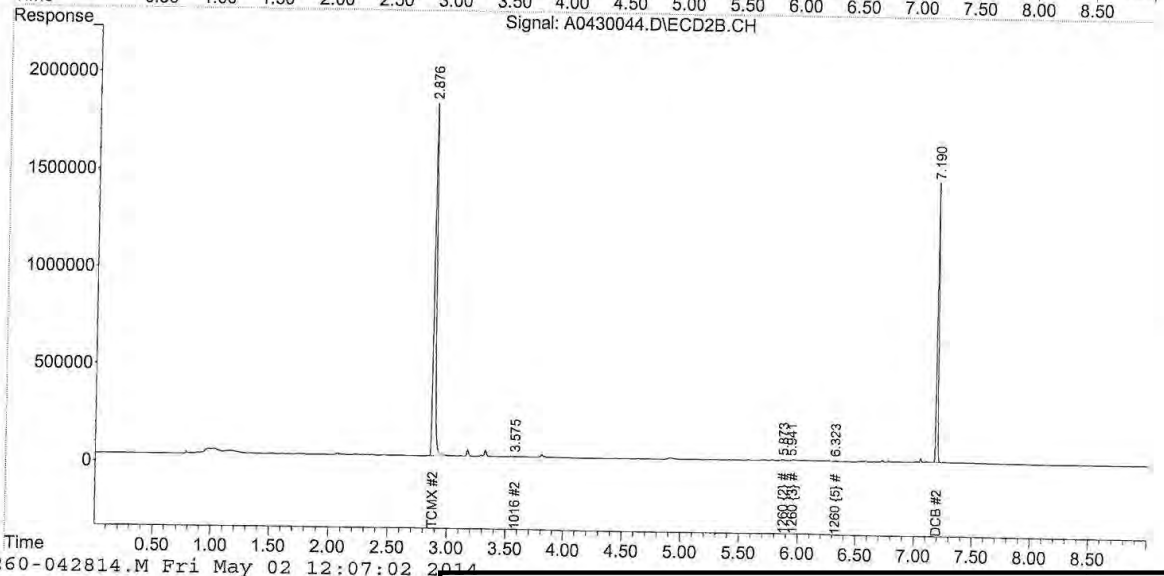
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 4:49 pm
Operator : JMB
Sample : 14D1017-29@5X Inst : HP G1530A
Misc :
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:38 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





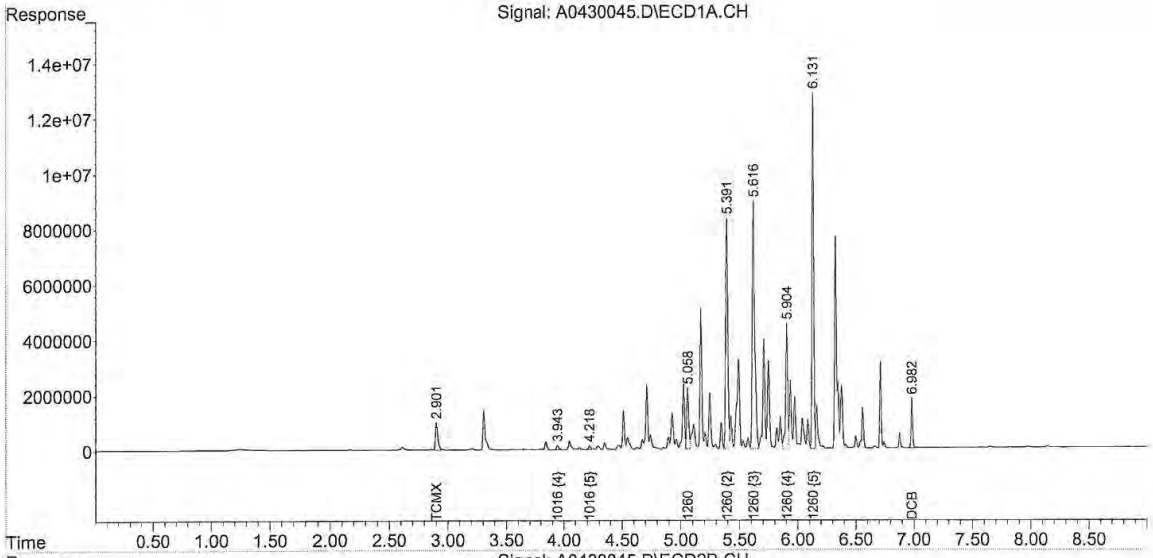
1-1260-042814.M Fri May 02 12:07:02 2014

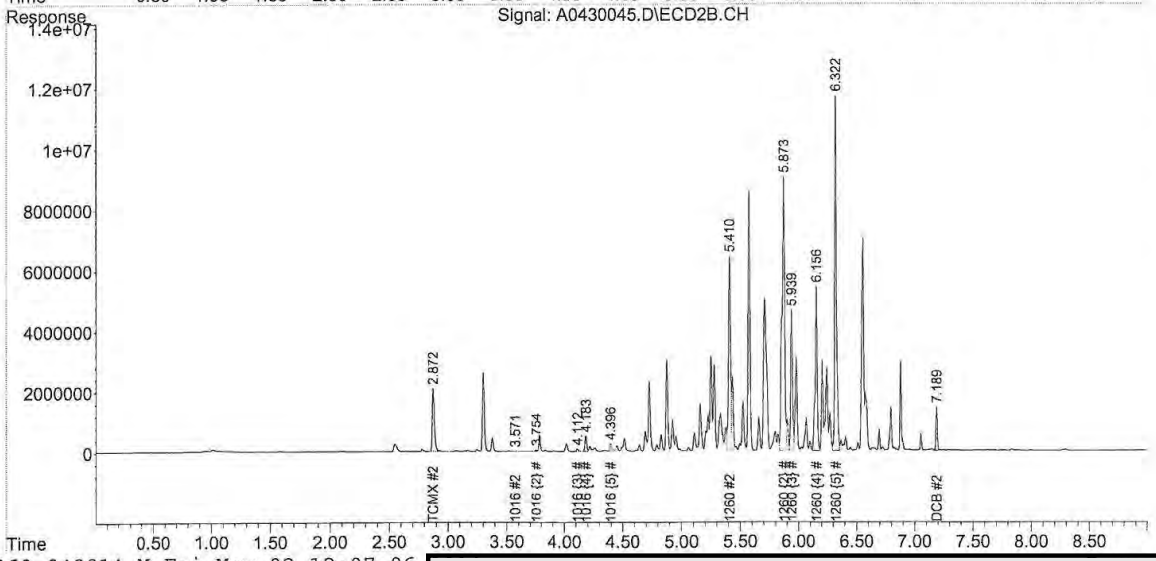
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 5:02 pm
Operator : JMB
Sample : 14D1017-31@5X Inst : HP G1530A
Misc :
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:40 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



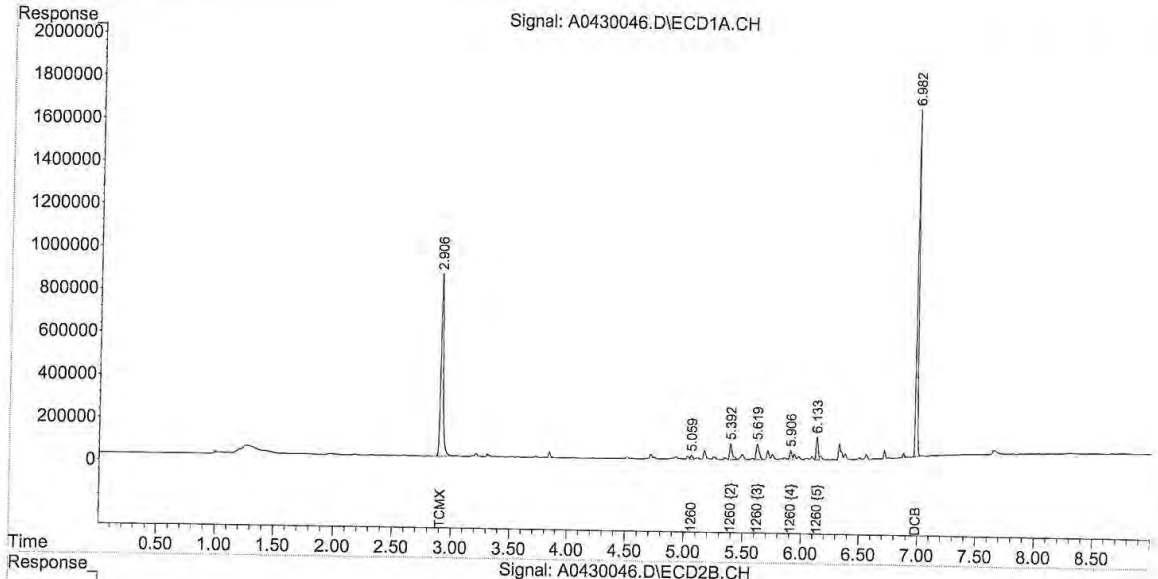


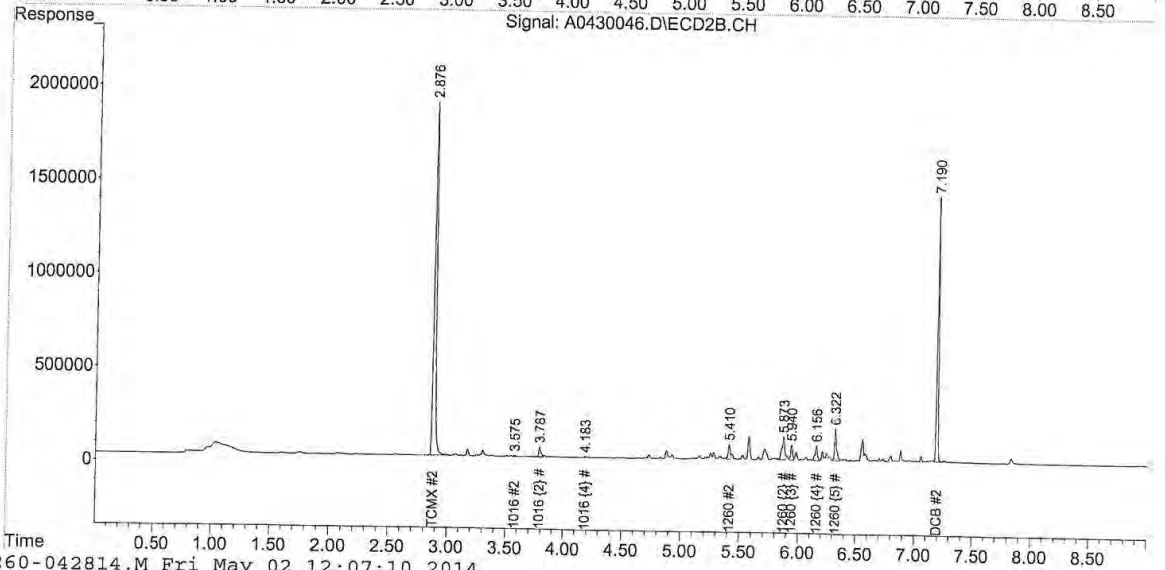
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 5:15 pm
Operator : JMB
Sample : 14D1017-32@5X Inst : HP G1530A
Misc :
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:42 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





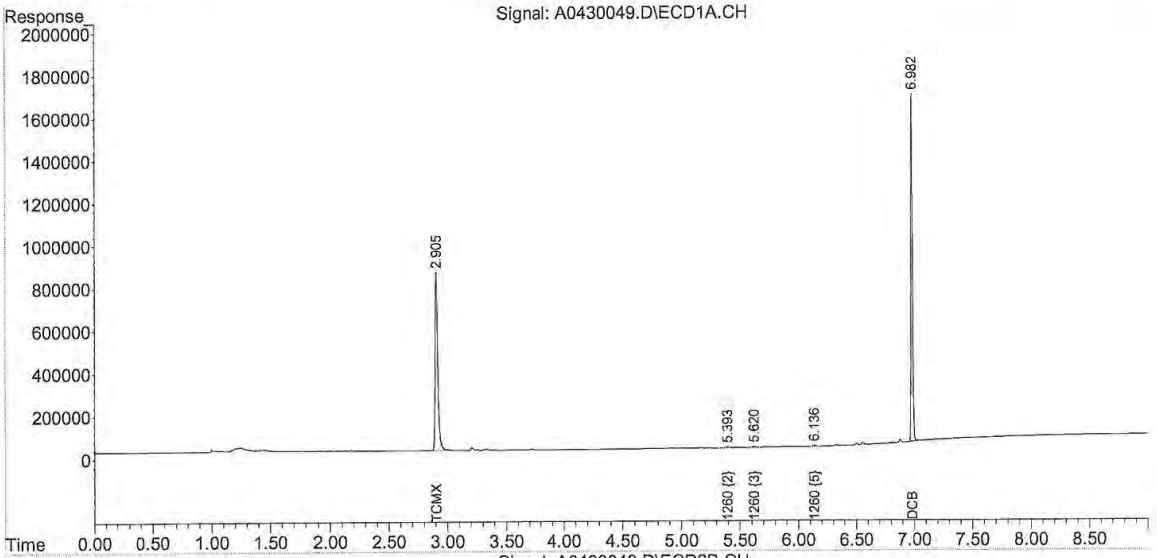
1-1260-042814.M Fri May 02 12:07:10 2014

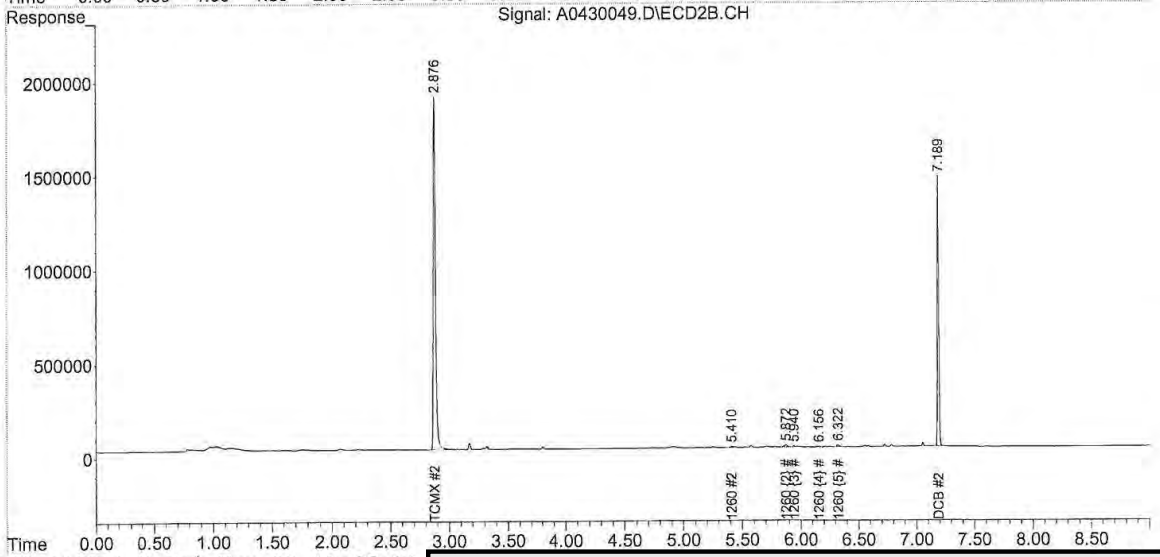
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430049.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 6:00 pm
Operator : JMB
Sample : 14D1017-33@5X Inst : HP G1530A
Misc :
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:48 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



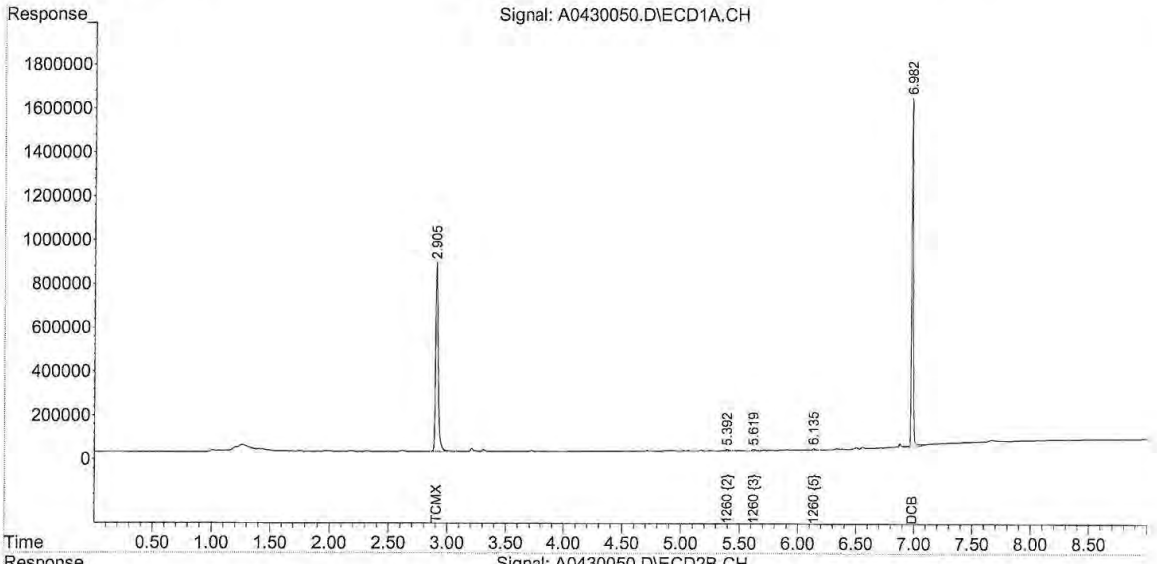


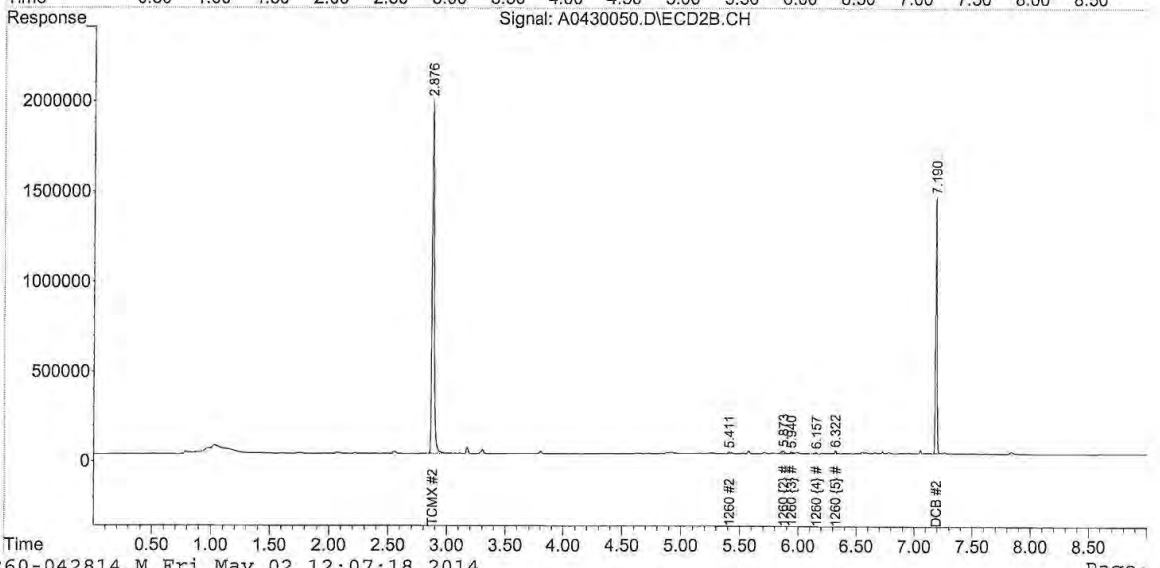
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430050.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 6:13 pm
Operator : JMB
Sample : 14D1017-34@5X Inst : HP G1530A
Misc :
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:50 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



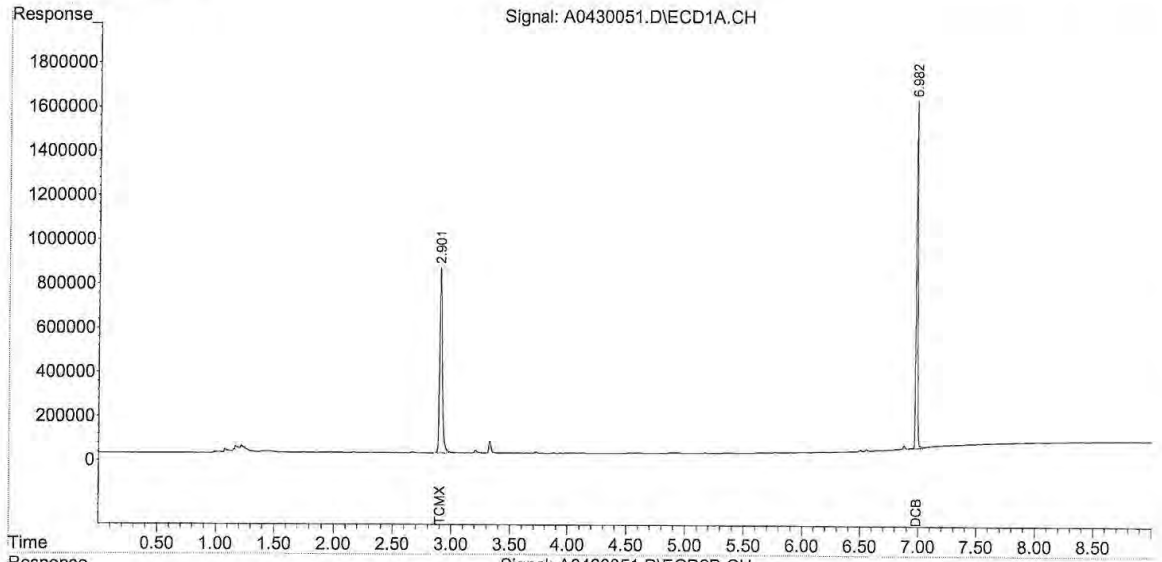


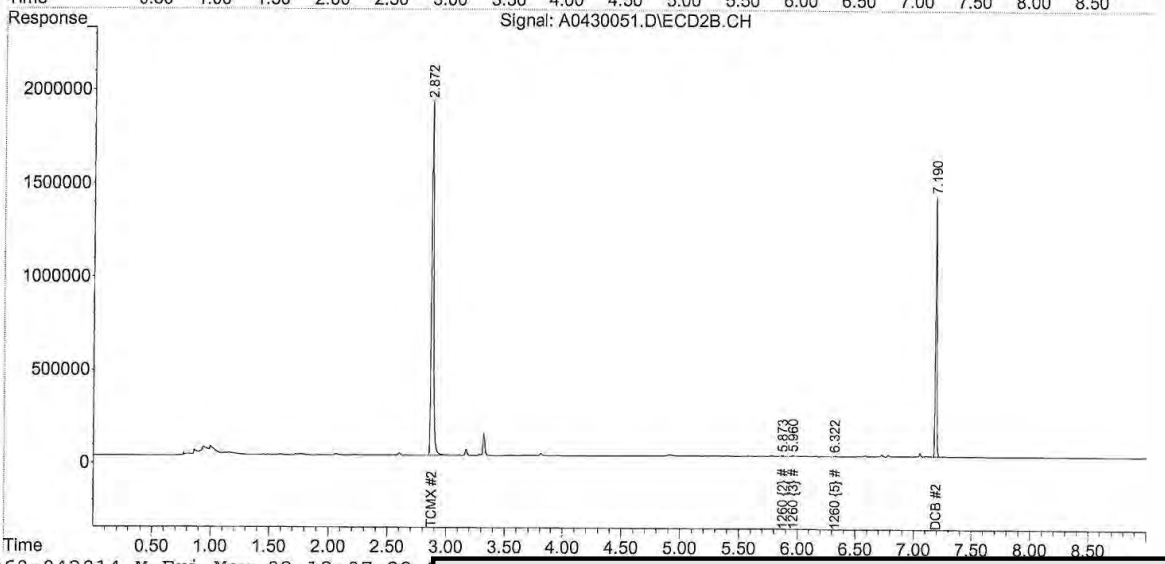
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430051.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 6:27 pm
Operator : JMB
Sample : 14D1017-35@5X Inst : HP G1530A
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:52 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



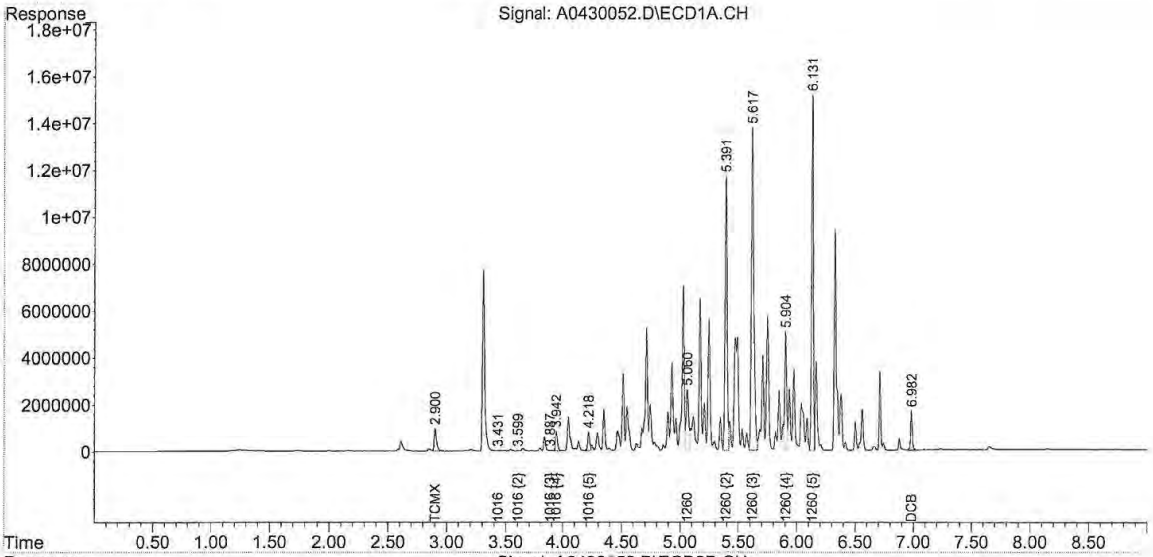


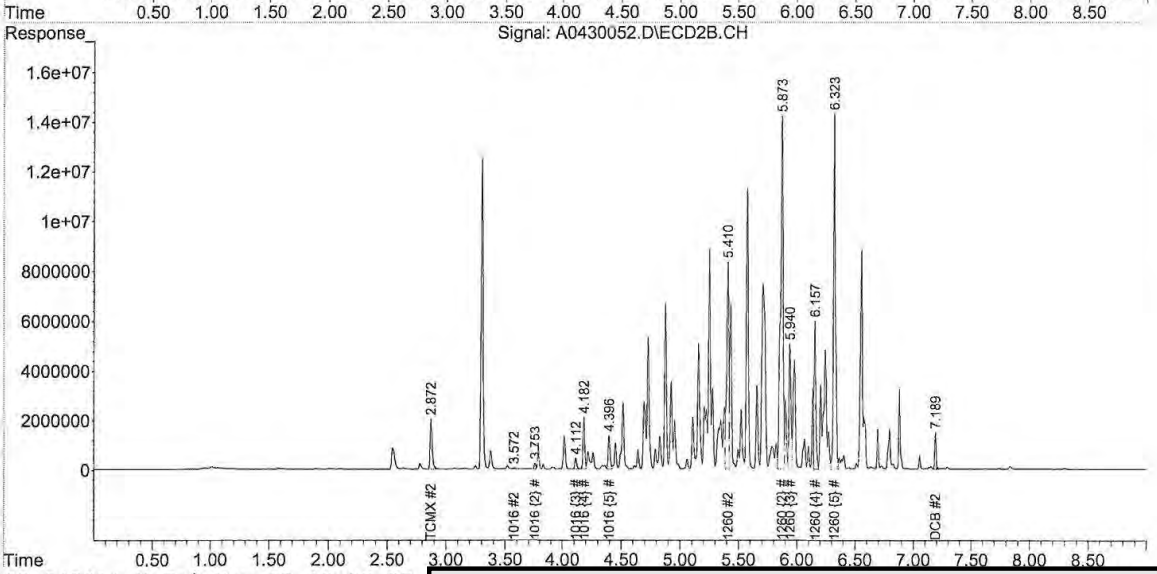
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430052.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 6:40 pm
Operator : JMB
Sample : 14D1017-36@5X Inst : HP G1530A
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:54 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430053.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 6:53 pm
Operator : JMB
Sample : 14D1017-37@5X Inst : HP G1530A
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:58:56 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1) S	TCMX	2.906	2.877	13533007	25143720	41.877	45.608	
	Spiked Amount 200.000	Range 60 - 300	Recovery =			20.94%#	22.80%#	
2) S	DCB	6.982	7.190	15391085	11662767	39.724	44.470	
	Spiked Amount 200.000	Range 60 - 300	Recovery =			19.86%#	22.23%#	
	Target Compounds							
3) L1	1016	3.440	3.581	111507	113310	8.356	4.285	#
4) L1	1016 (2)	0.000	3.756	0	430790	N.D.	38.889	#
5) L1	1016 (3)	0.000	4.114	0	719004	N.D.	52.471	#
6) L1	1016 (4)	3.945	4.184	1300591	3943091	177.082	293.834	#
7) L1	1016 (5)	4.220	4.397	1188989	1874951	124.279	104.355	
	Sum 1016			2601087	7081145	309.717	493.834	
	Average 1016					103.239	98.767	
8) L7	1260	5.060	5.410	3520170	12035499	348.987	352.487	
9) L7	1260 (2)	5.393	5.873	13472519	20105348	421.767	400.113	
10) L7	1260 (3)	5.619	5.940	15072520	5524107	435.863	194.302	#
11) L7	1260 (4)	5.905	6.157	4137225	5147656	191.451	165.103	
12) L7	1260 (5)	6.132	6.323	7892961	12457938	165.651	213.692	#
	Sum 1260			44095395	55270548	1563.720	1325.698	
	Average 1260					312.744	265.140	

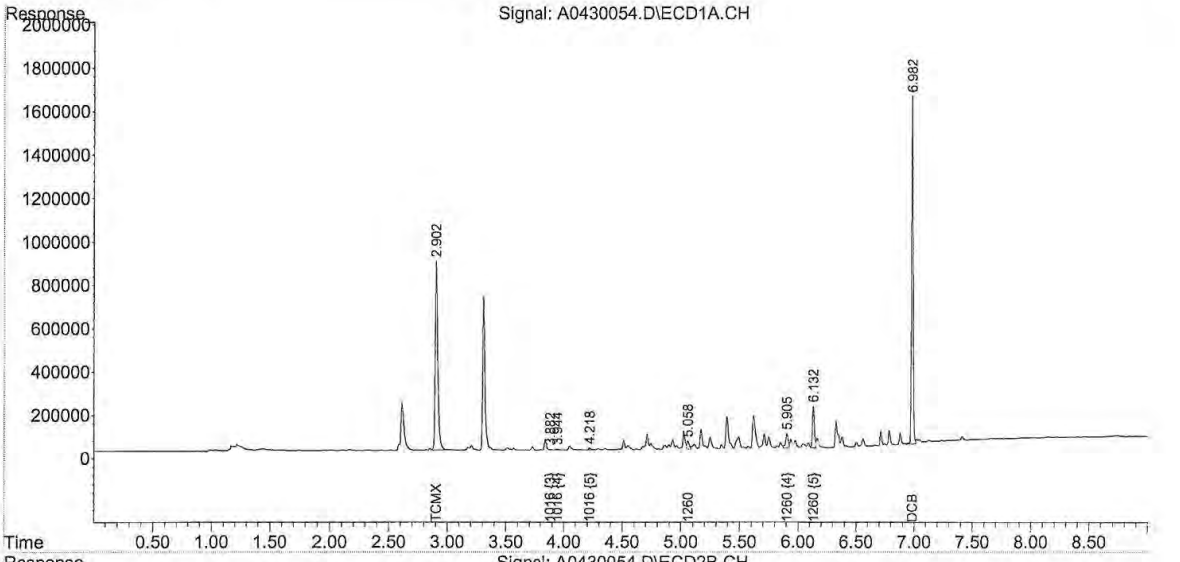
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

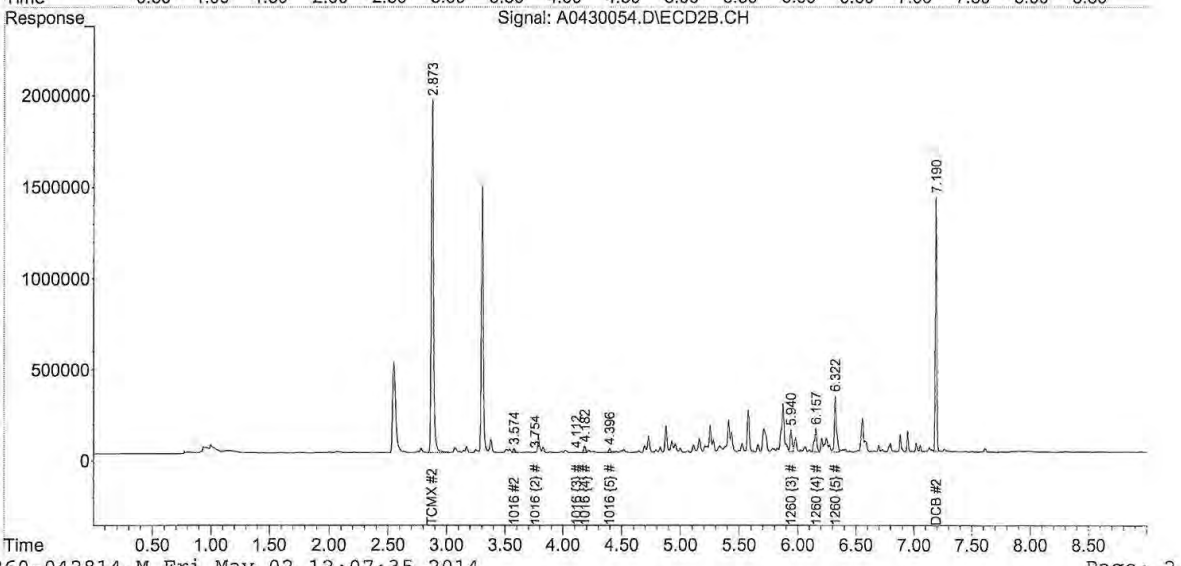
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430054.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 7:06 pm
Operator : JMB
Sample : 14D1017-38@5X Inst : HP G1530A
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 10:17:39 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





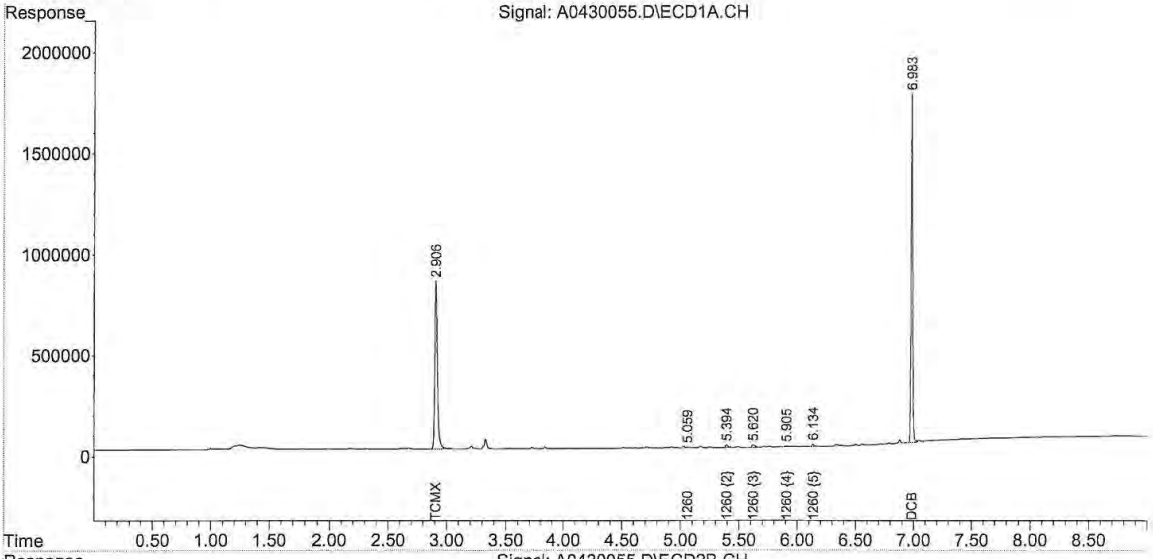
1-1260-042814.M Fri May 02 12:07:35 2014 Page: 2

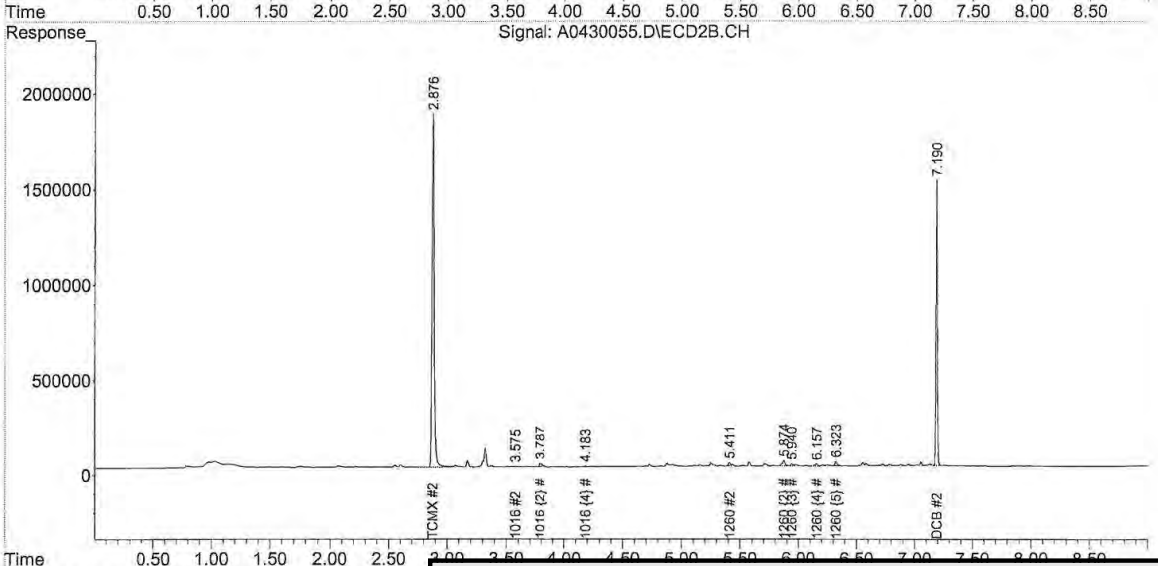
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430055.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 7:19 pm
Operator : JMB
Sample : 14D1017-39@5X Inst : HP G1530A
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:00 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



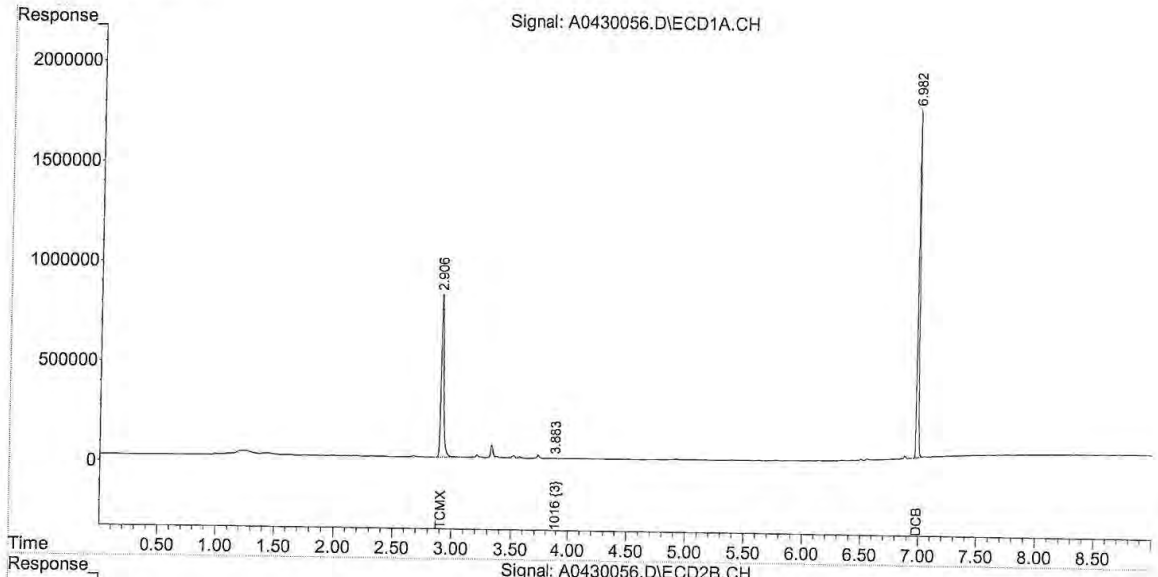


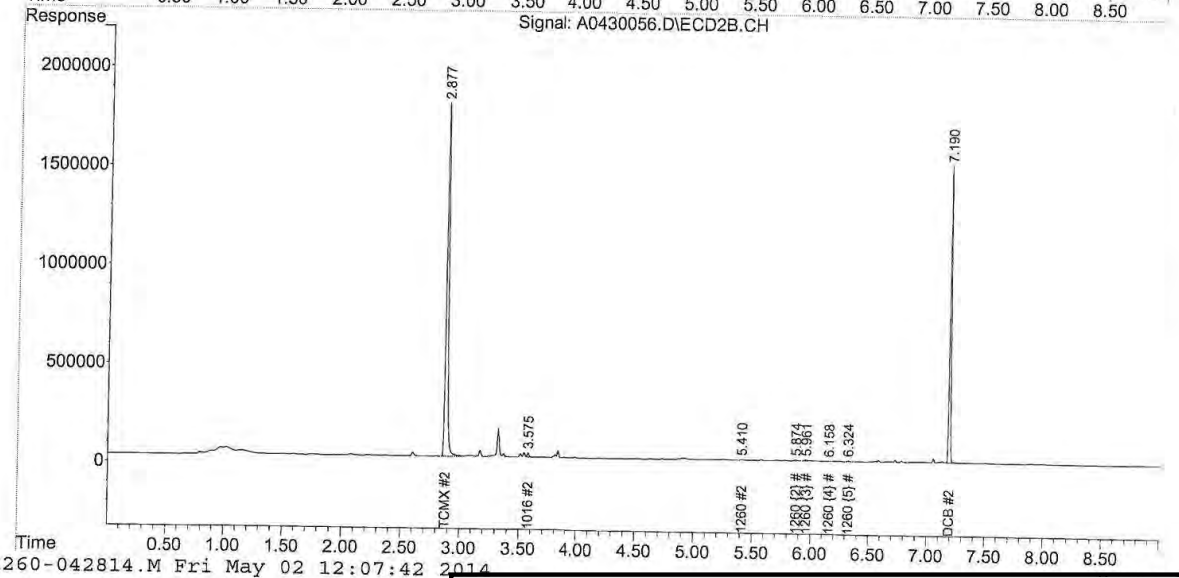
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430056.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 7:33 pm
Operator : JMB
Sample : 14D1017-40@5X Inst : HP G1530A
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:02 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





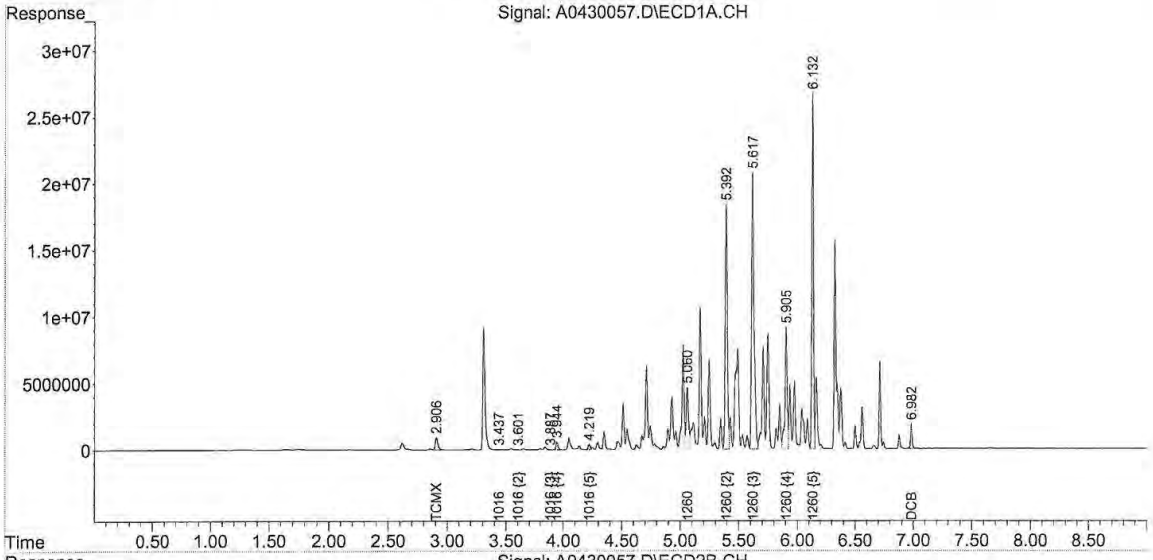
1-1260-042814.M Fri May 02 12:07:42 2014

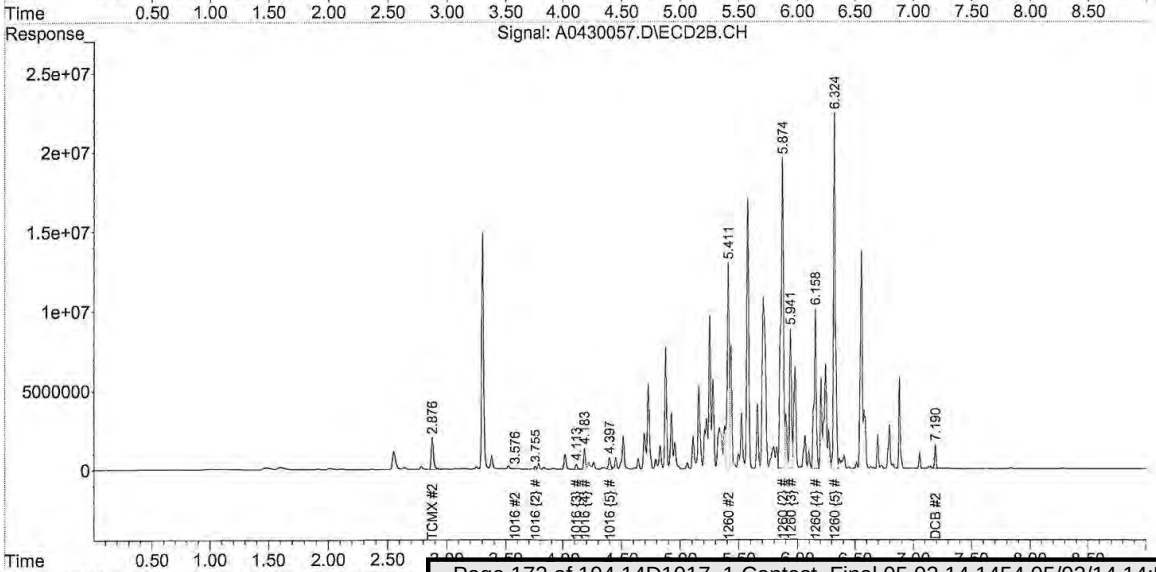
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430057.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 7:46 pm
Operator : JMB
Sample : 14D1017-41@5X Inst : HP G1530A
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:04 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



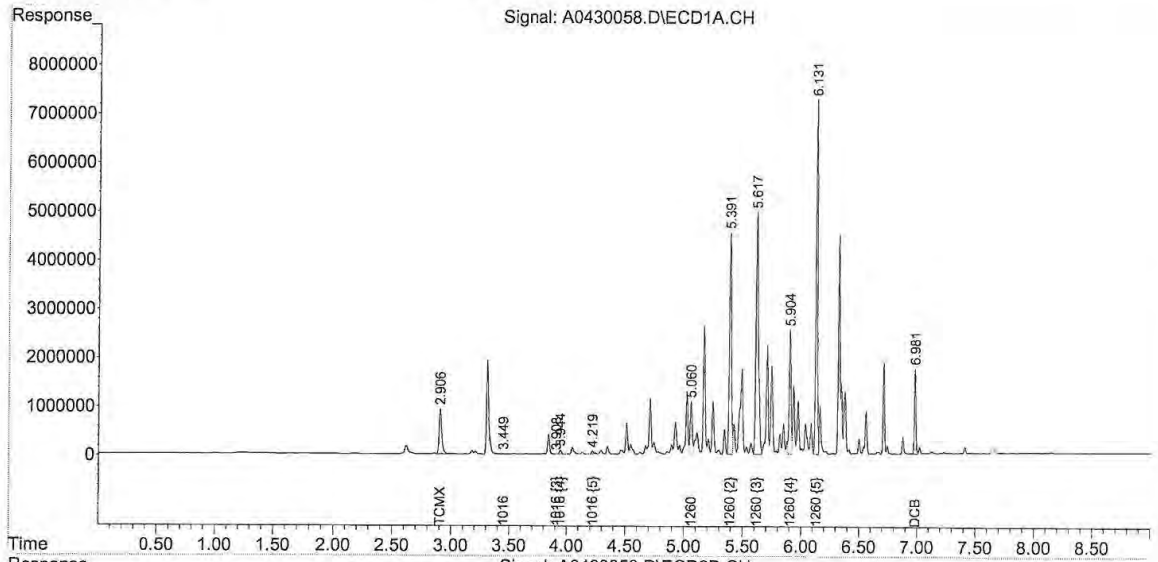


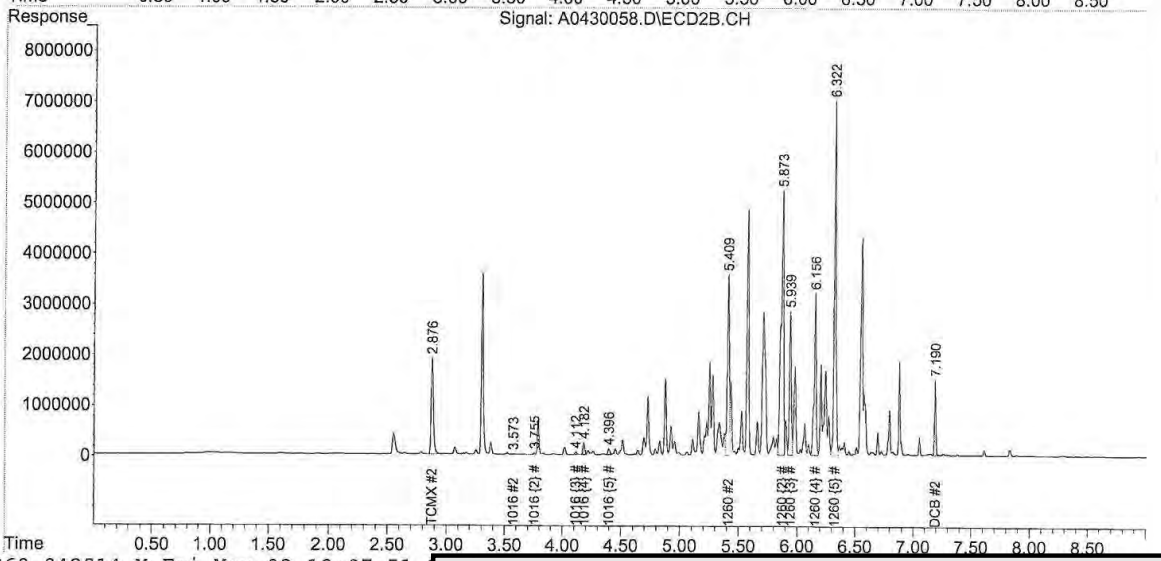
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430058.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 7:59 pm
Operator : JMB
Sample : 14D1017-42@5X Inst : HP G1530A
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:06 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



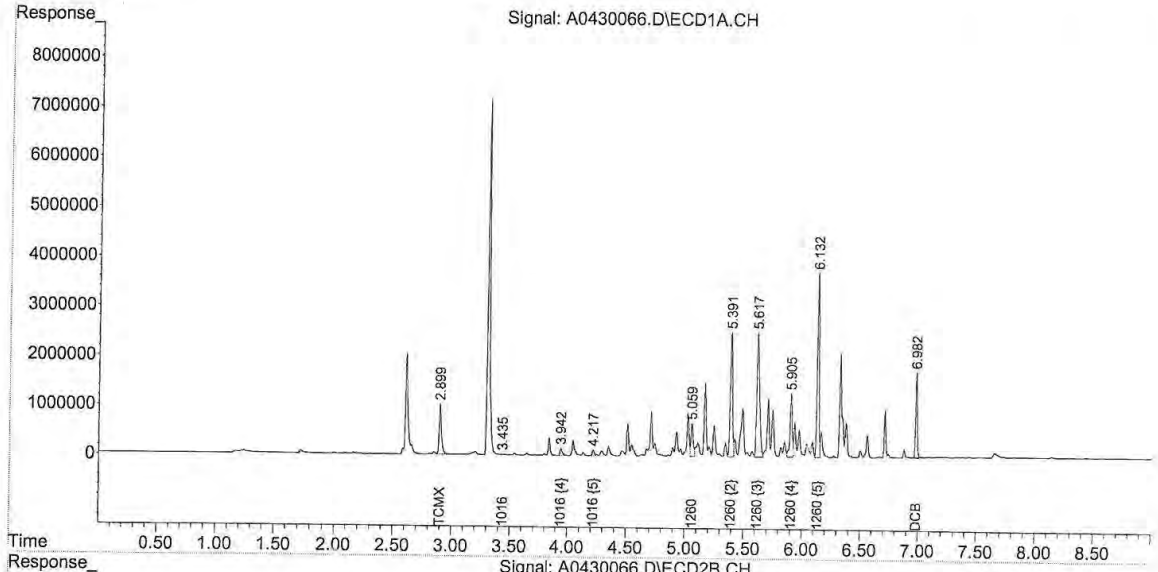


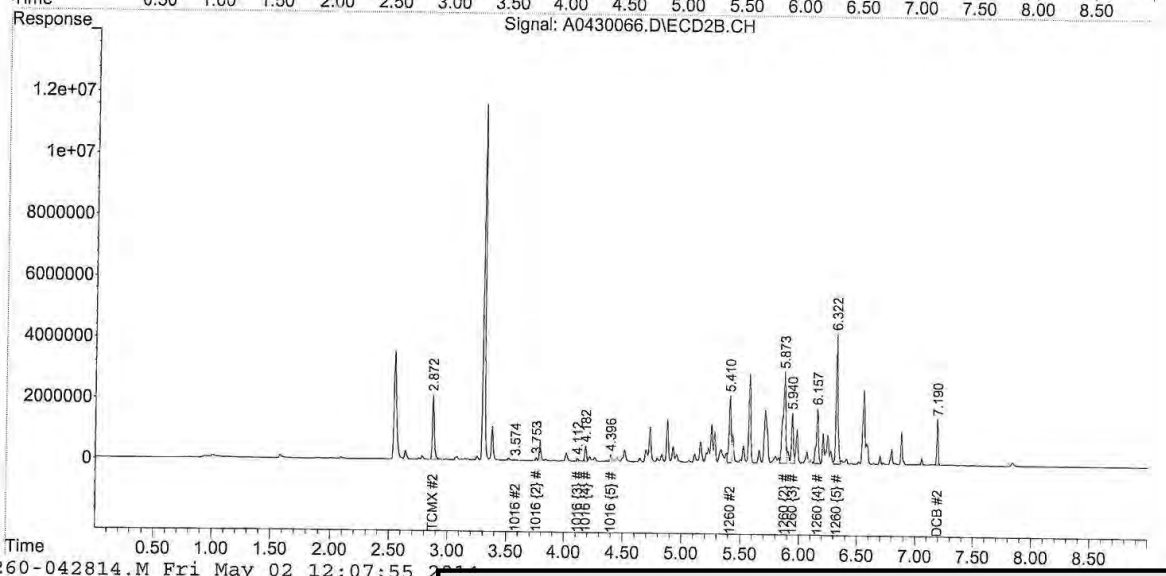
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430066.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 9:50 pm
Operator : JMB
Sample : 14D1017-43@5X Inst : HP G1530A
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:22 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





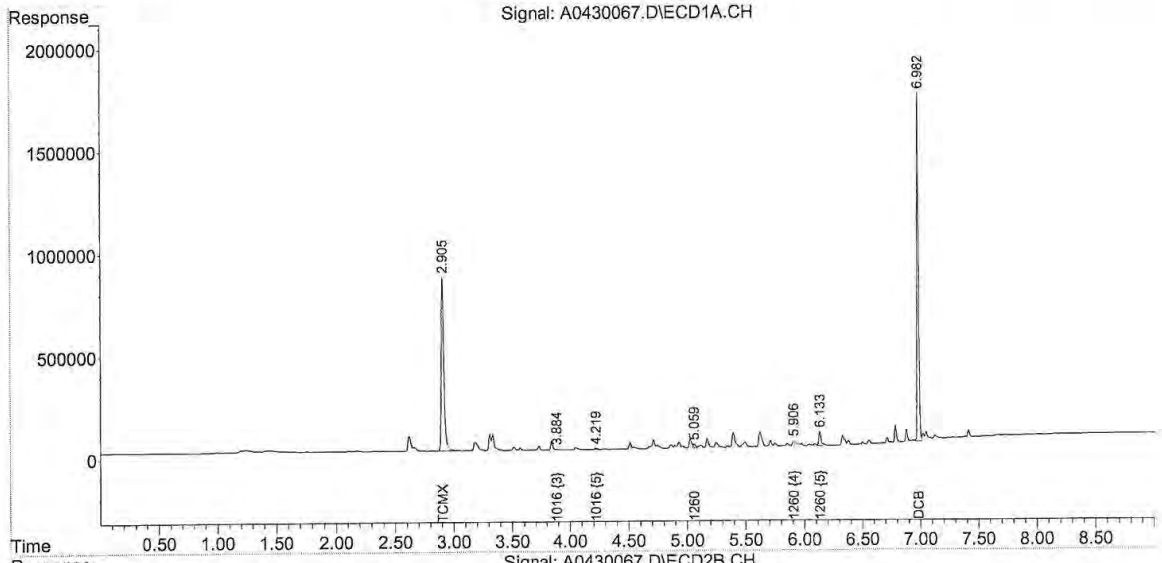
1-1260-042814.M Fri May 02 12:07:55 2

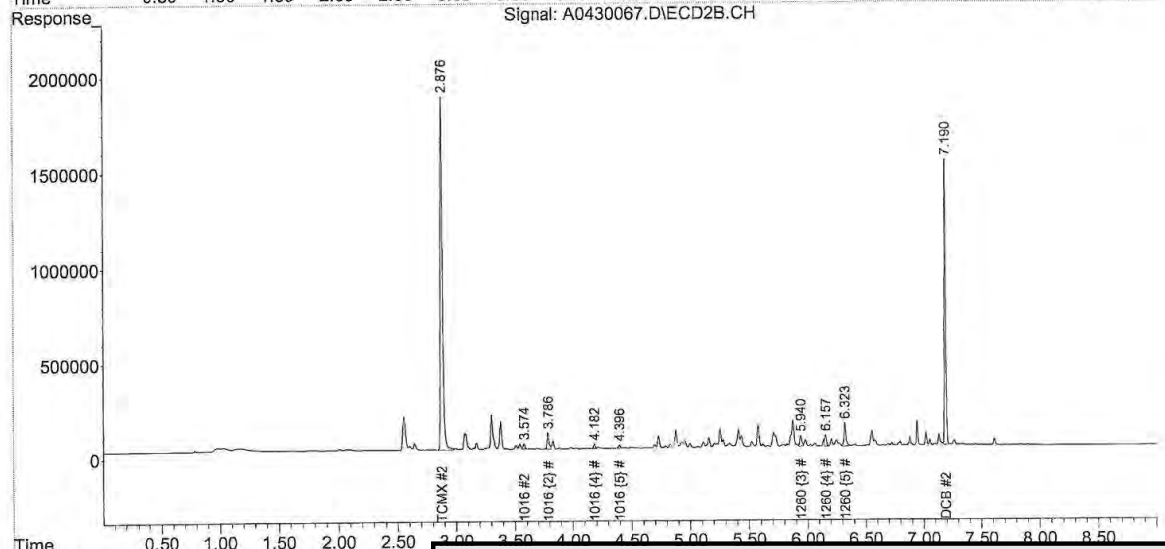
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430067.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 10:03 pm
Operator : JMB
Sample : 14D1017-44@5X Inst : HP G1530A
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 10:23:31 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



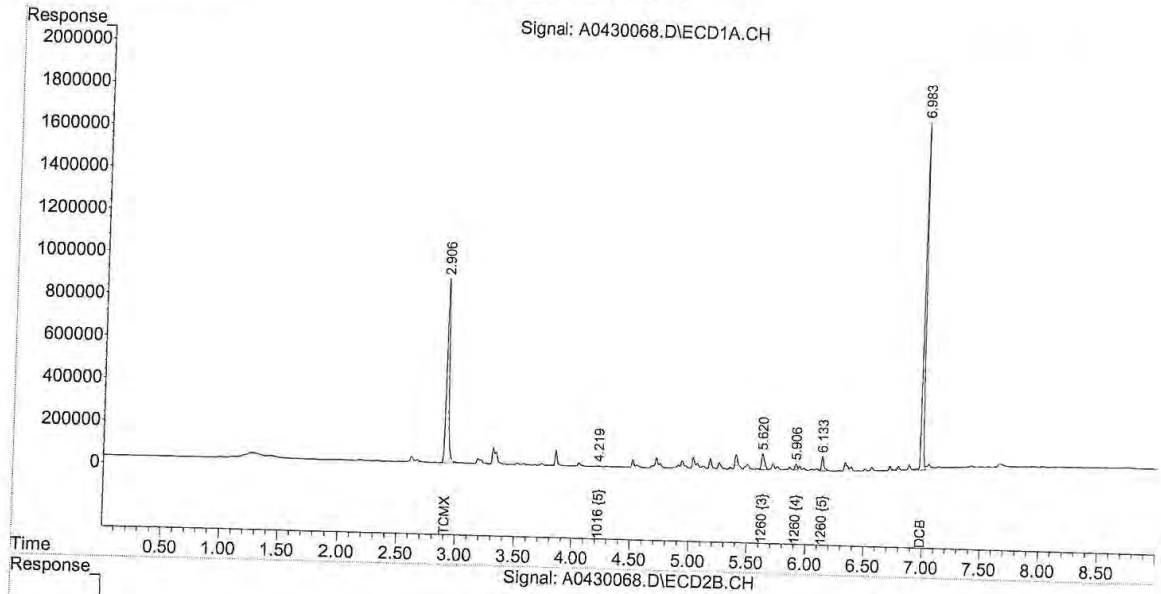


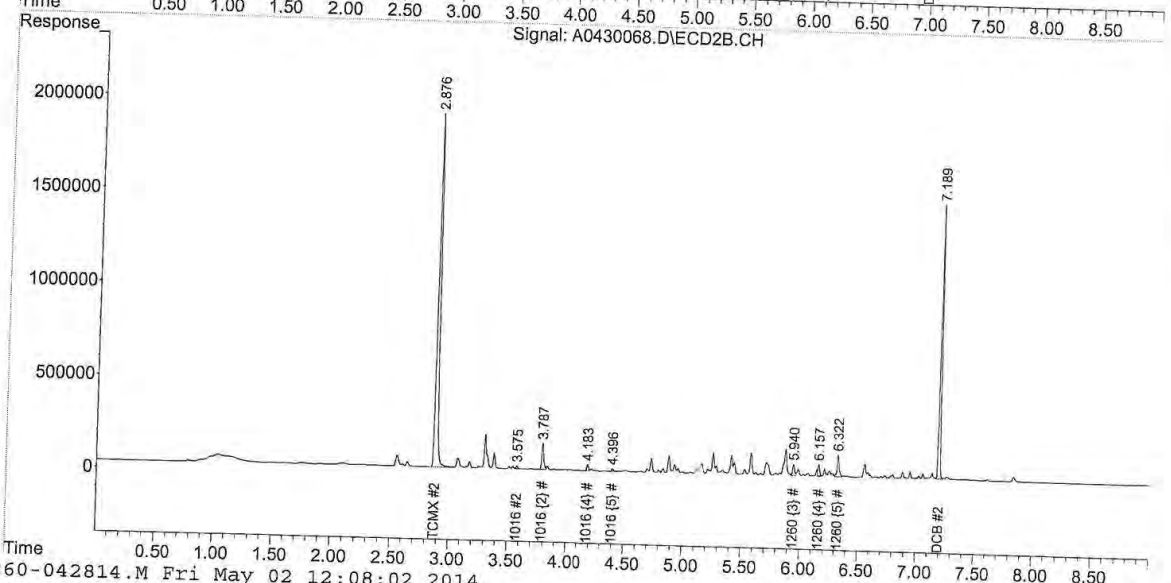
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430068.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 10:16 pm
Operator : JMB
Sample : 14D1017-45@5X
Misc :
Inst : HP G1530A
ALS Vial : 68 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 10:25:44 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





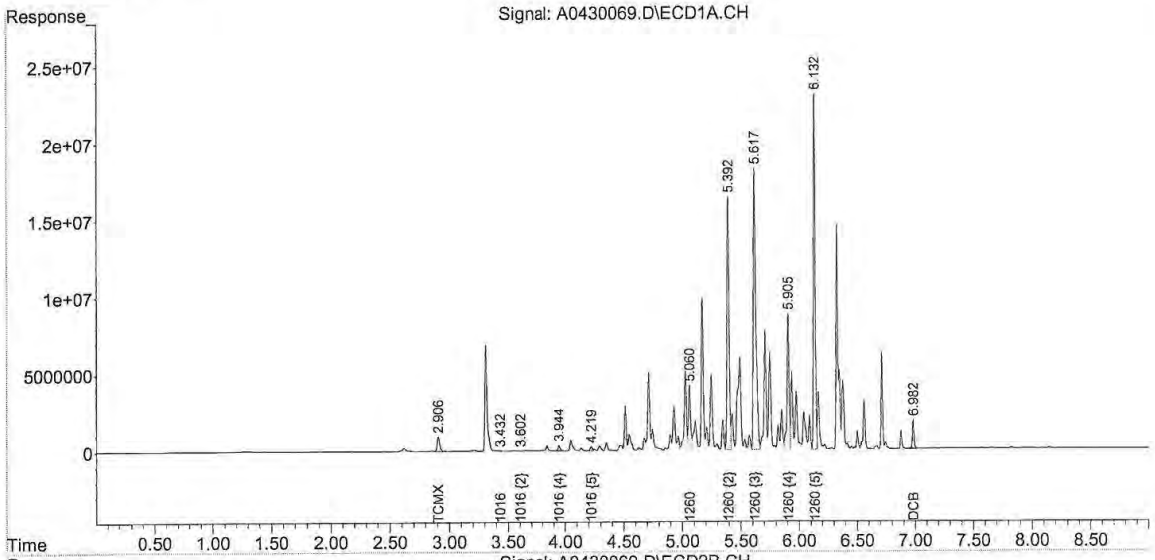
1-1260-042814.M Fri May 02 12:08:02 2014

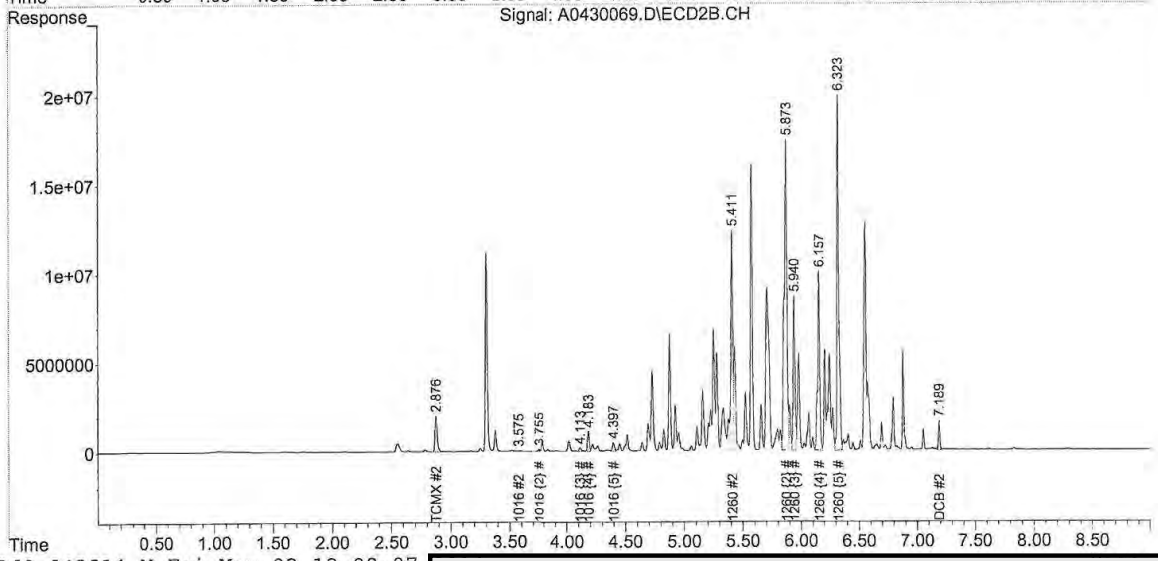
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430069.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 10:29 pm
Operator : JMB
Sample : 14D1017-46@5X Inst : HP G1530A
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:28 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



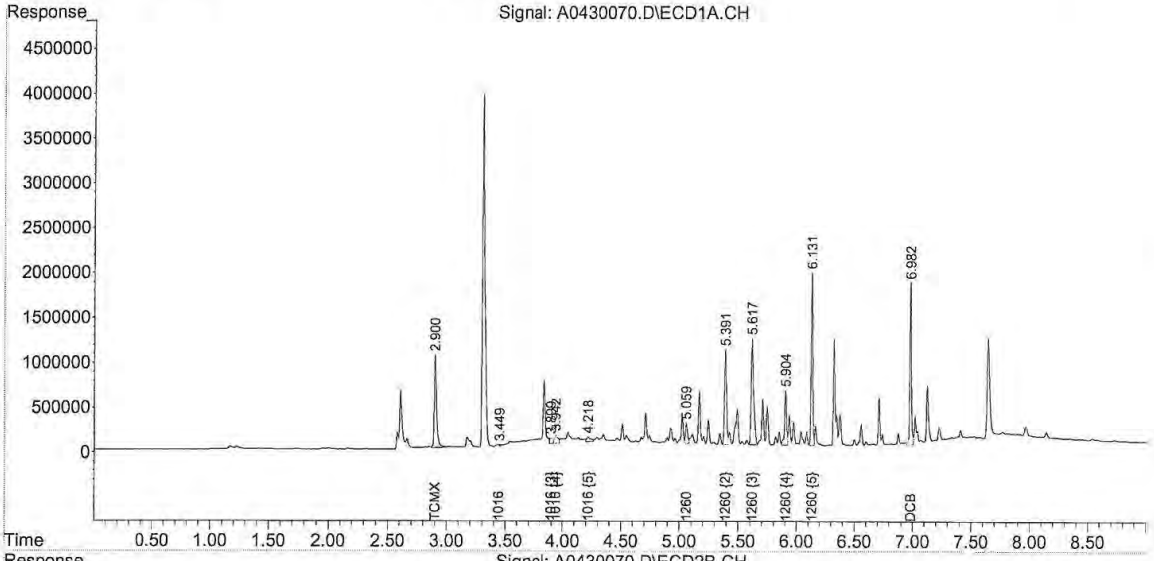


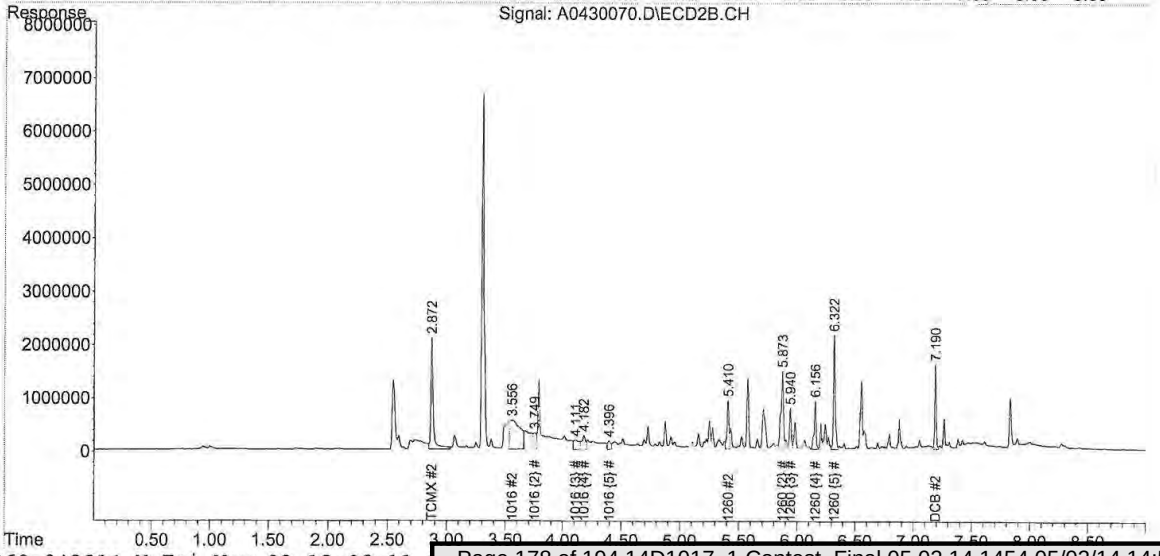
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430070.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 10:43 pm
Operator : JMB
Sample : 14D1017-47@5X Inst : HP G1530A
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:30 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



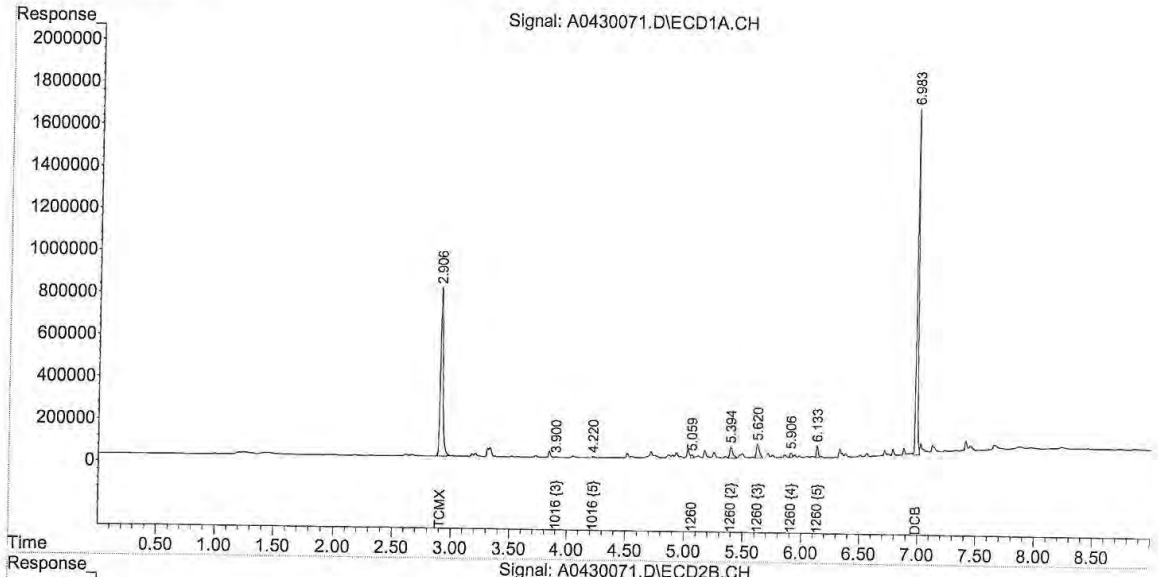


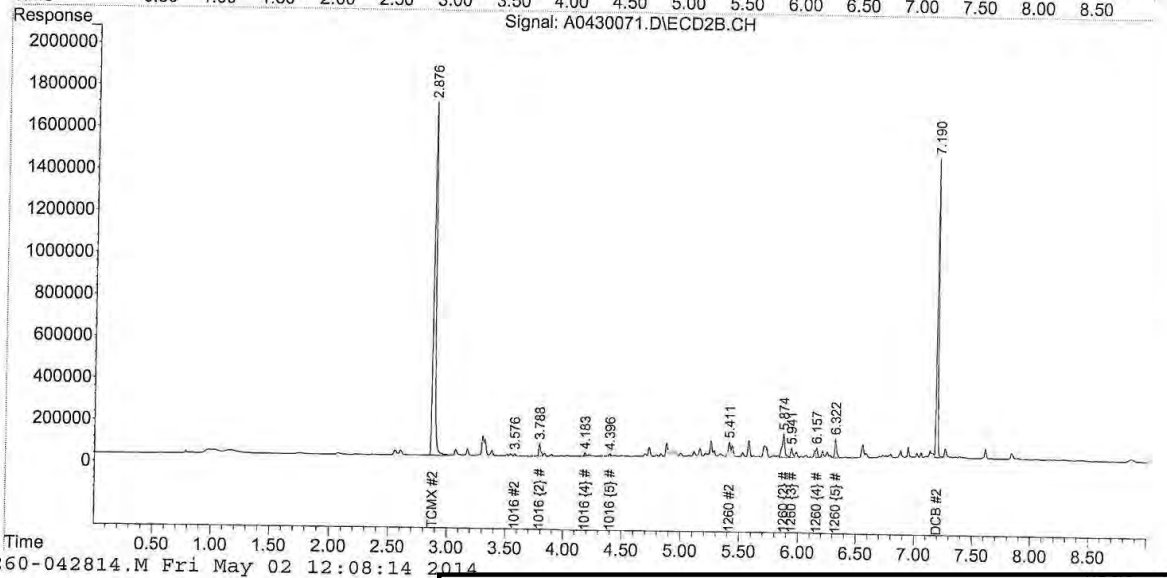
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430071.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 10:56 pm
Operator : JMB
Sample : 14D1017-48@5X Inst : HP G1530A
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:32 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





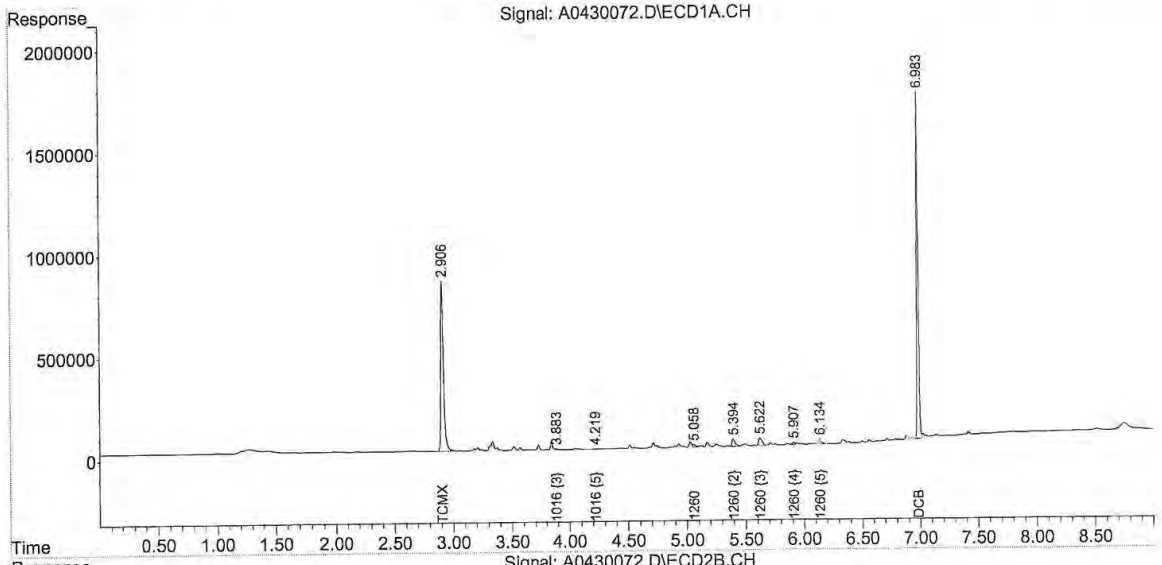
1-1260-042814.M Fri May 02 12:08:14 2014

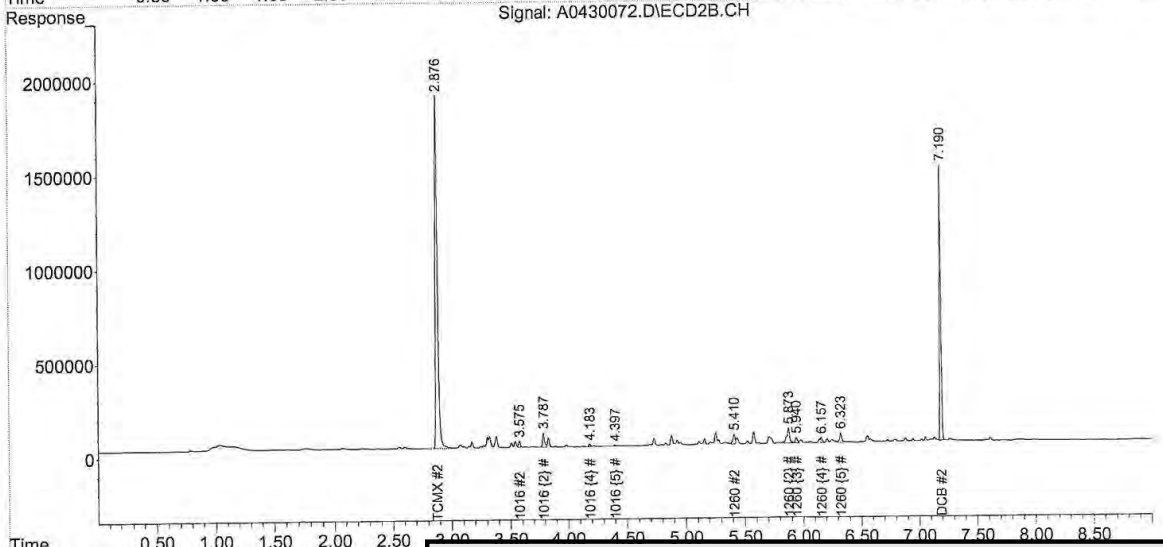
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430072.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 11:09 pm
Operator : JMB
Sample : 14D1017-49@5X Inst : HP G1530A
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:34 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



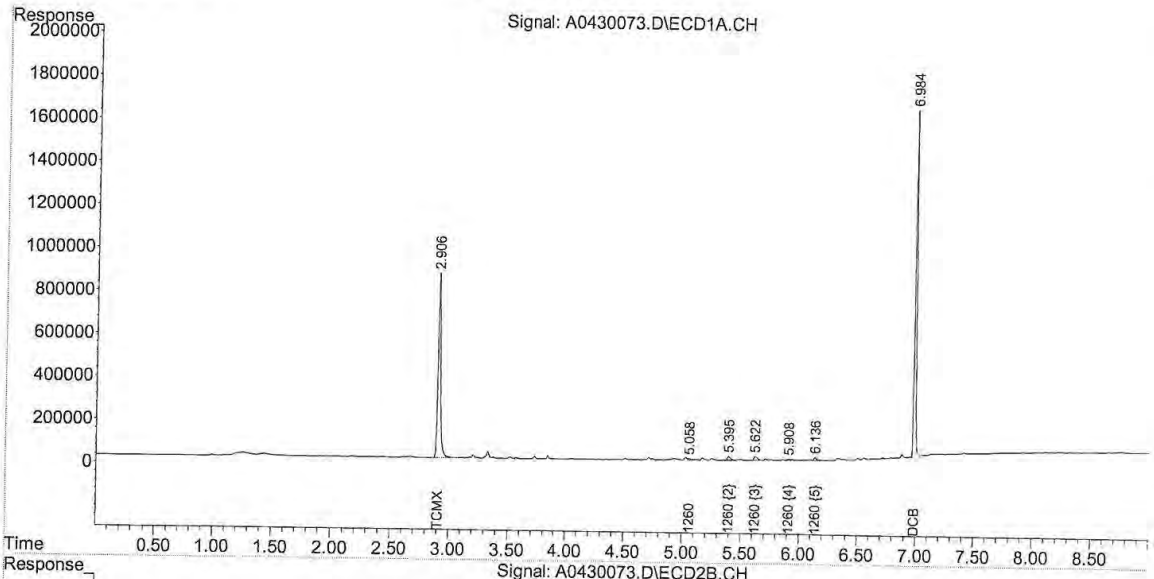


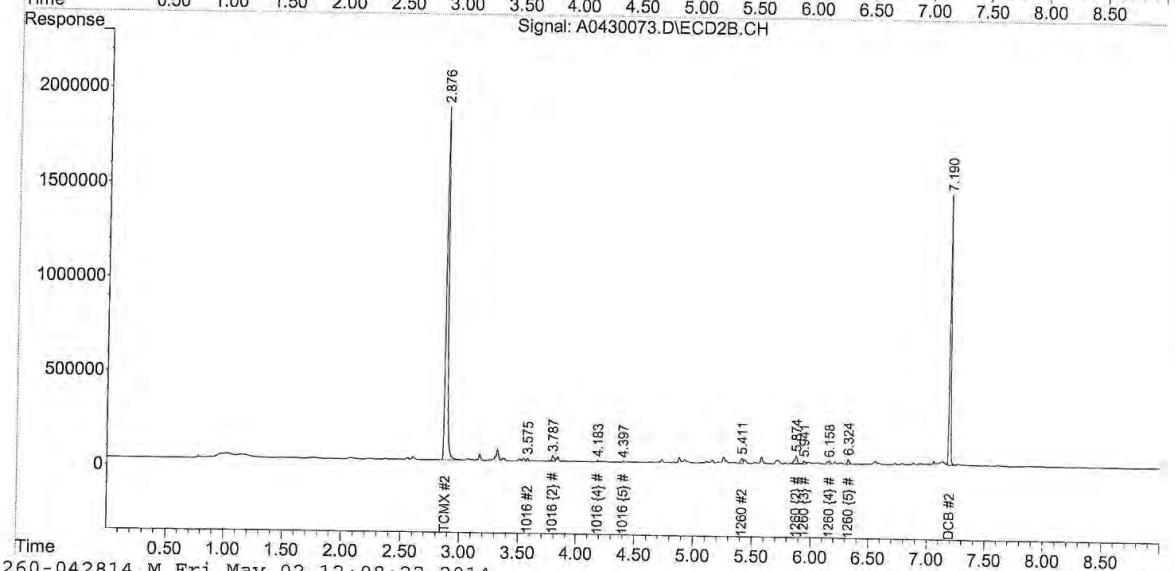
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430073.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 11:22 pm
Operator : JMB
Sample : 14D1017-50@5X Inst : HP G1530A
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:36 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





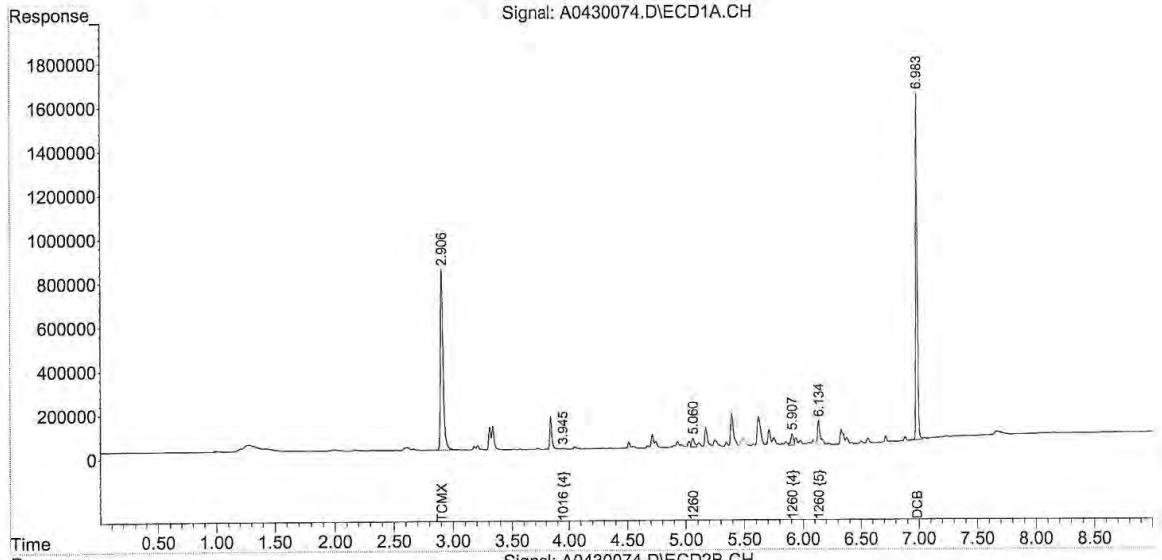
1-1260-042814.M Fri May 02 12:08:22 2014

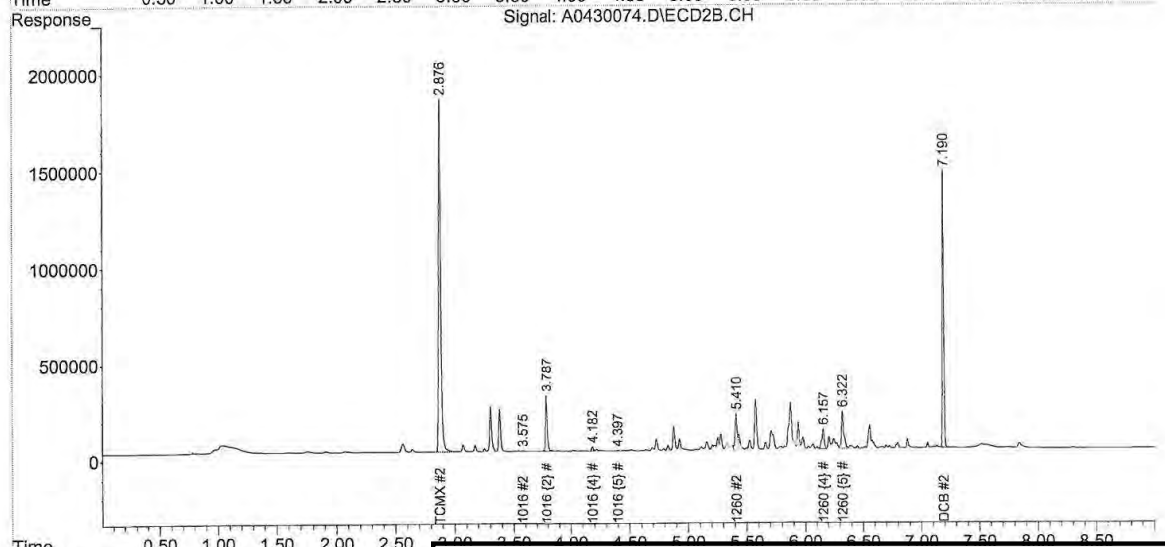
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430074.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 11:35 pm
Operator : JMB
Sample : 14D1017-51@5X Inst : HP G1530A
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 10:34:15 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



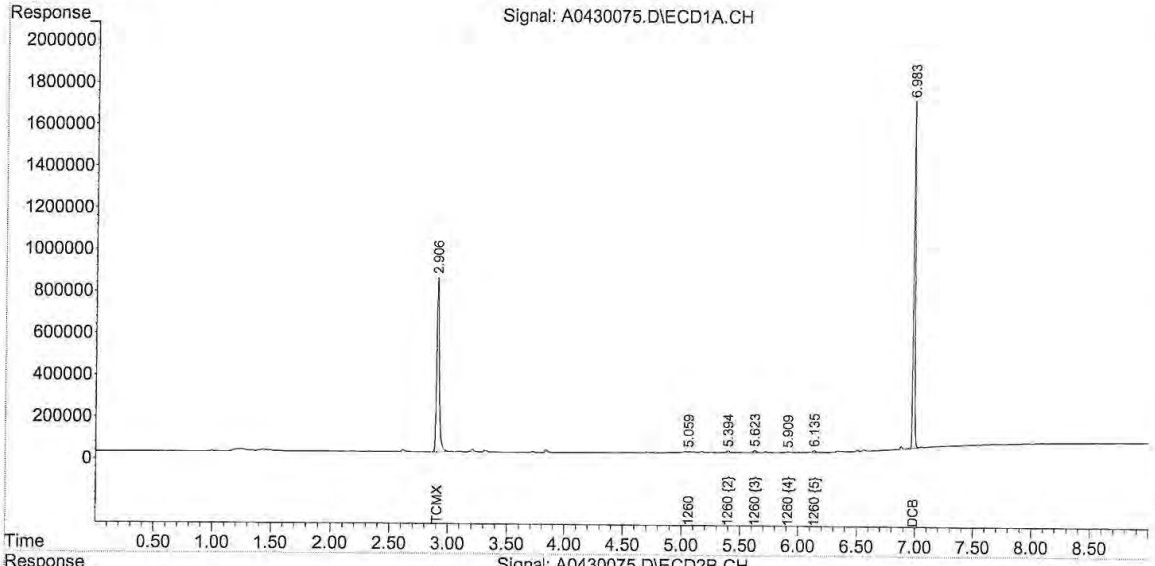


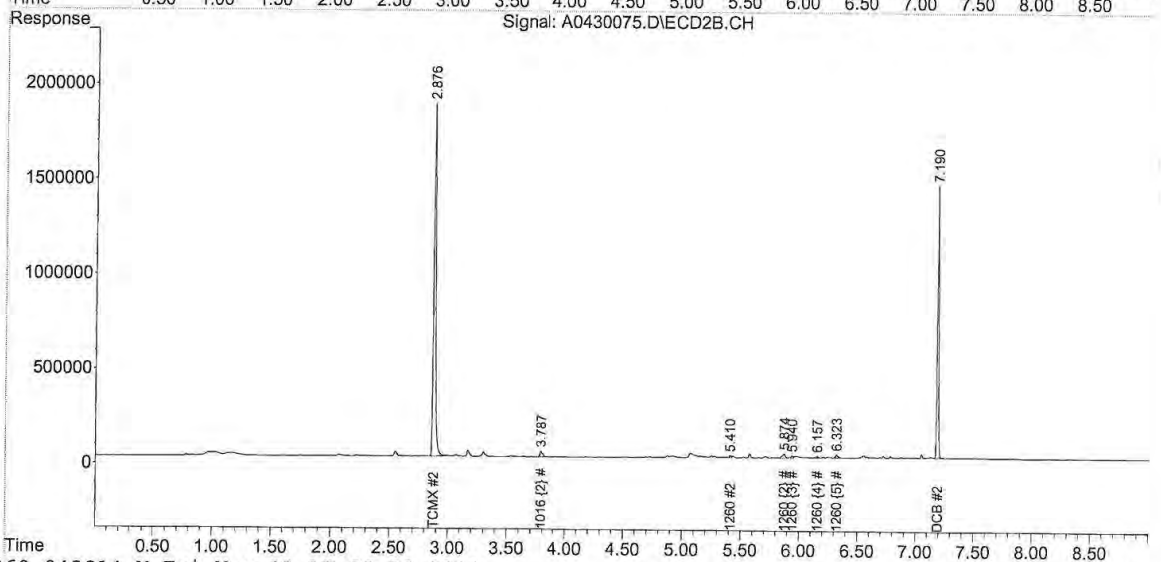
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430075.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 May 2014 11:49 pm
Operator : JMB
Sample : 14D1017-52@5X Inst : HP G1530A
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 05:59:40 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





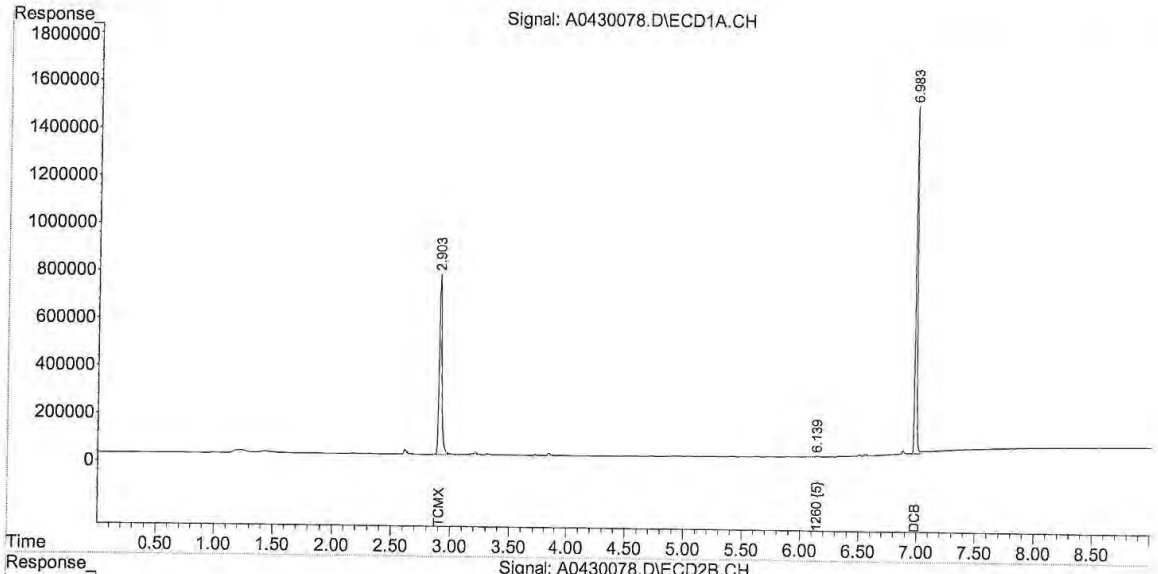
1-1260-042814.M Fri May 02 12:08:30 2014

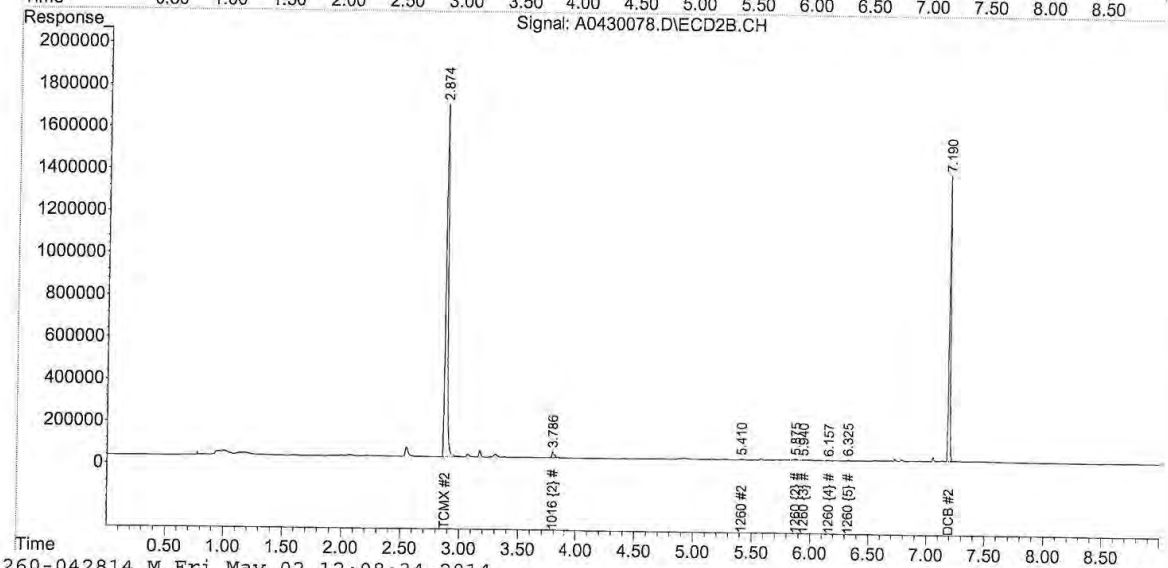
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430078.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 12:33 am
Operator : JMB
Sample : 14D1017-53@5X Inst : HP G1530A
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 06:34:20 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





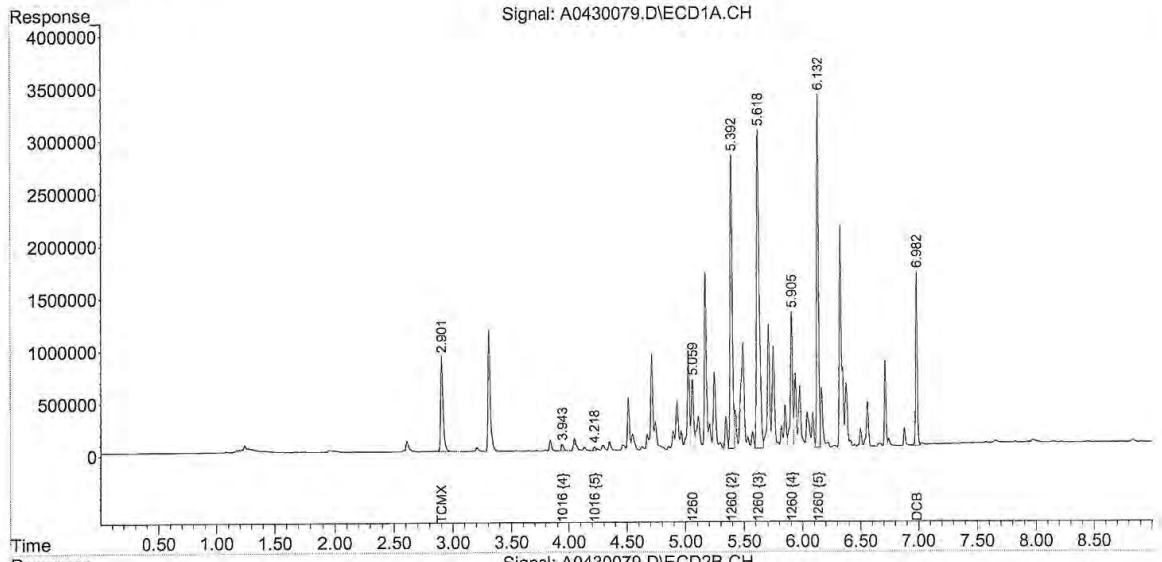
1-1260-042814.M Fri May 02 12:08:34 2014

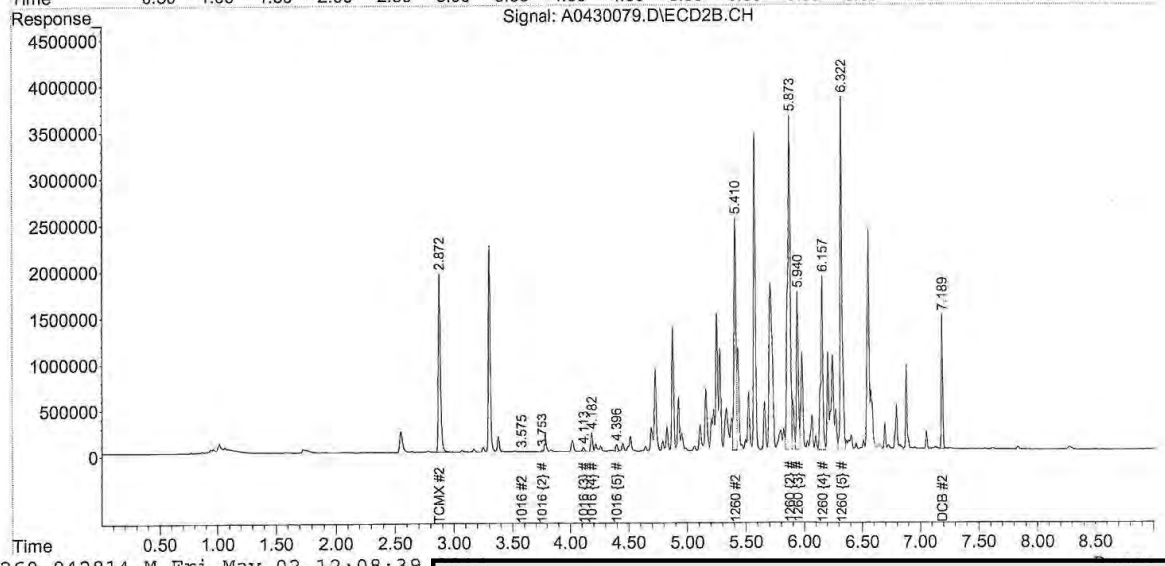
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430079.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 12:47 am
Operator : JMB
Sample : 14D1017-56@5X Inst : HP G1530A
Misc :
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 06:34:22 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



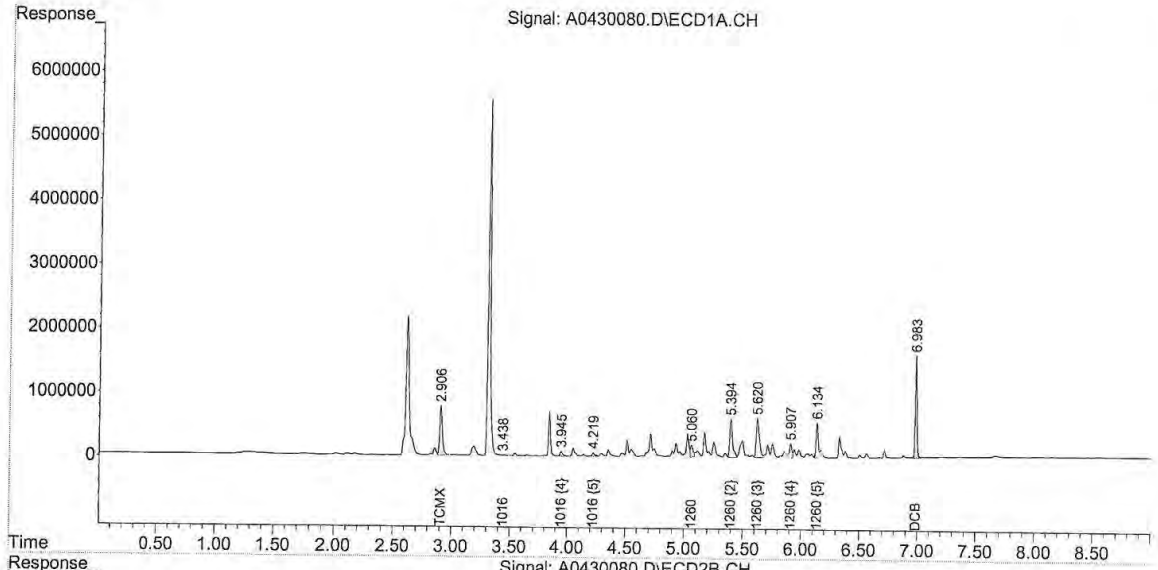


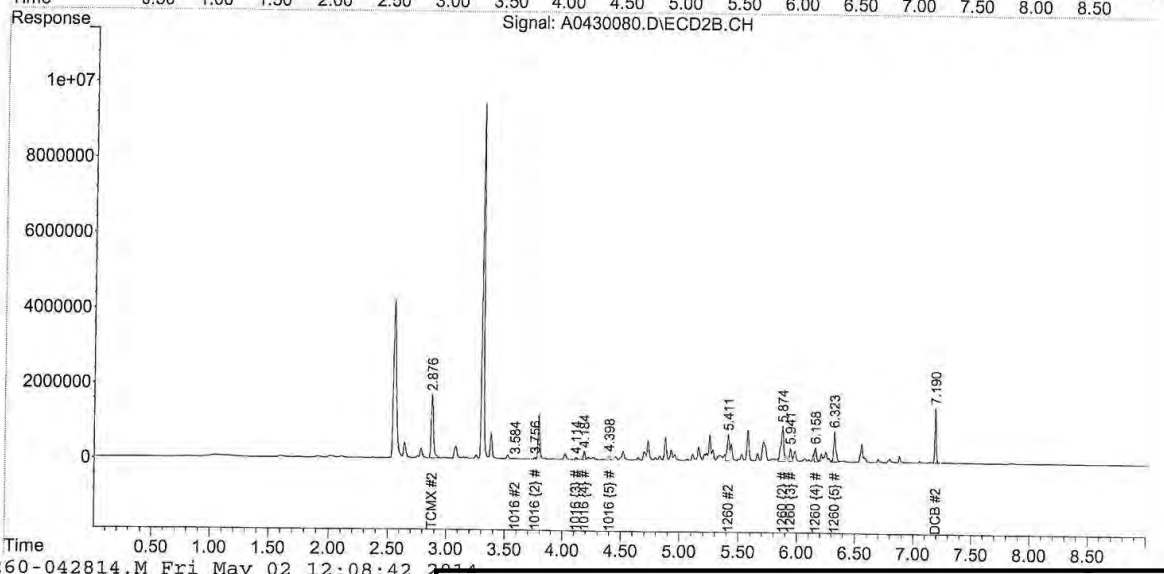
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430080.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 1:00 am
Operator : JMB
Sample : 14D1017-57@5X Inst : HP G1530A
Misc :
ALS Vial : 80 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 06:34:24 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





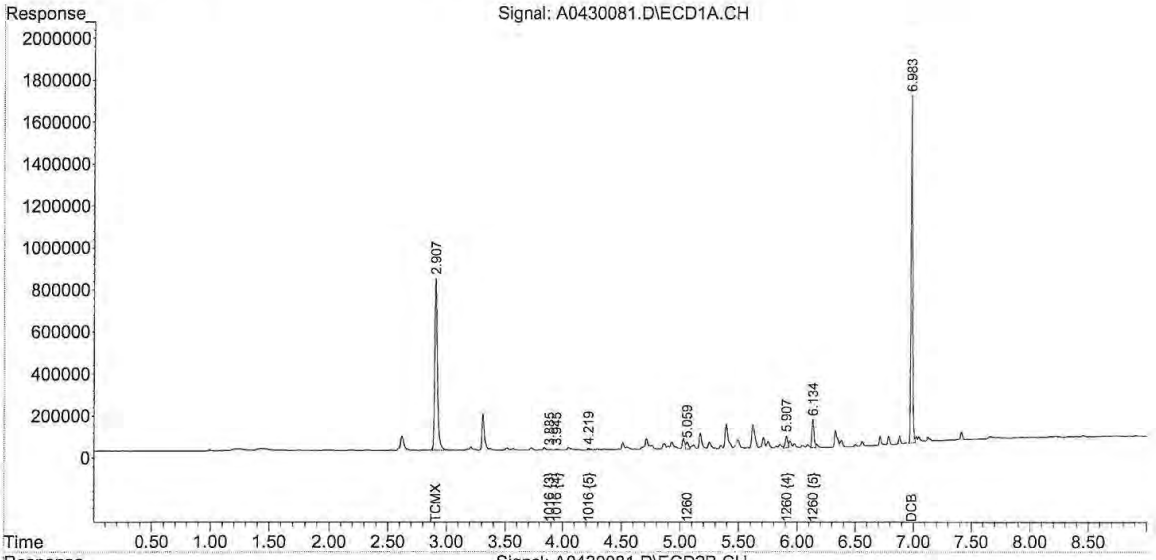
1-1260-042814.M Fri May 02 12:08:42 2014

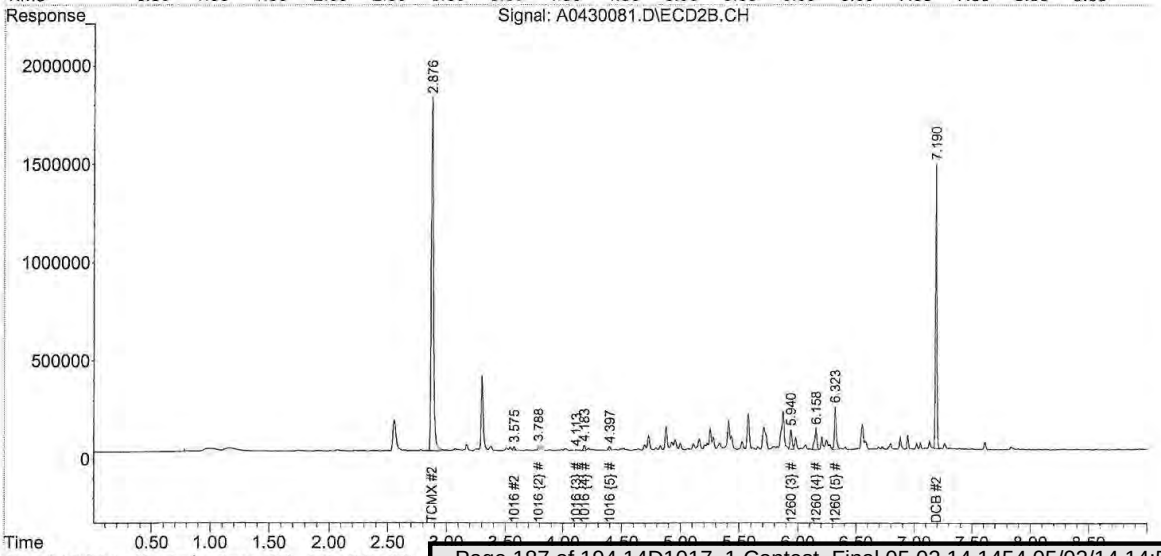
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430081.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 1:13 am
Operator : JMB
Sample : 14D1017-58@5X Inst : HP G1530A
Misc :
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 10:42:03 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



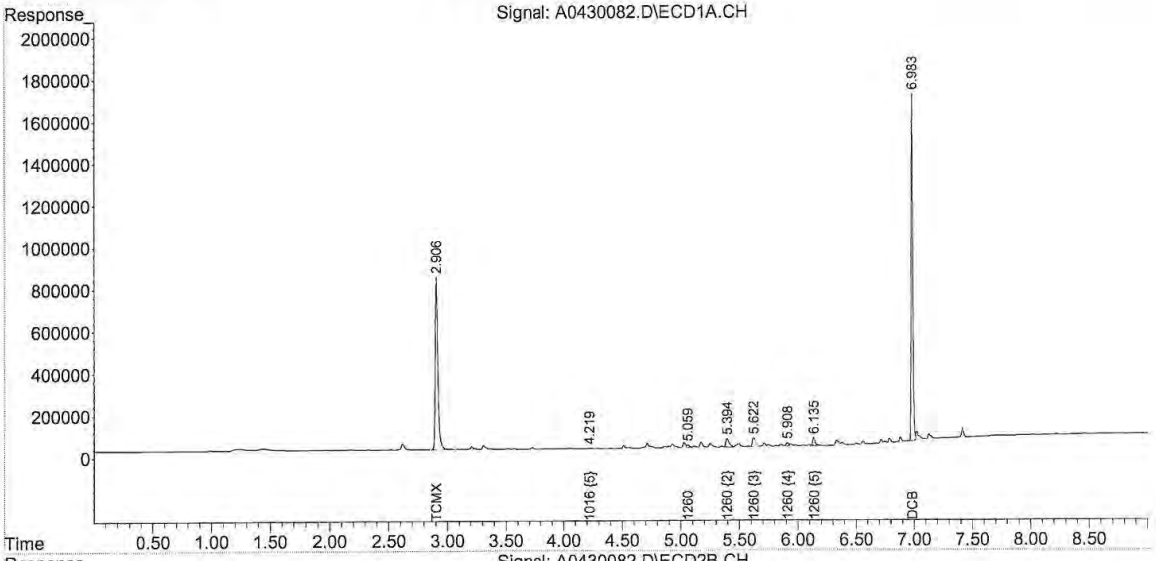


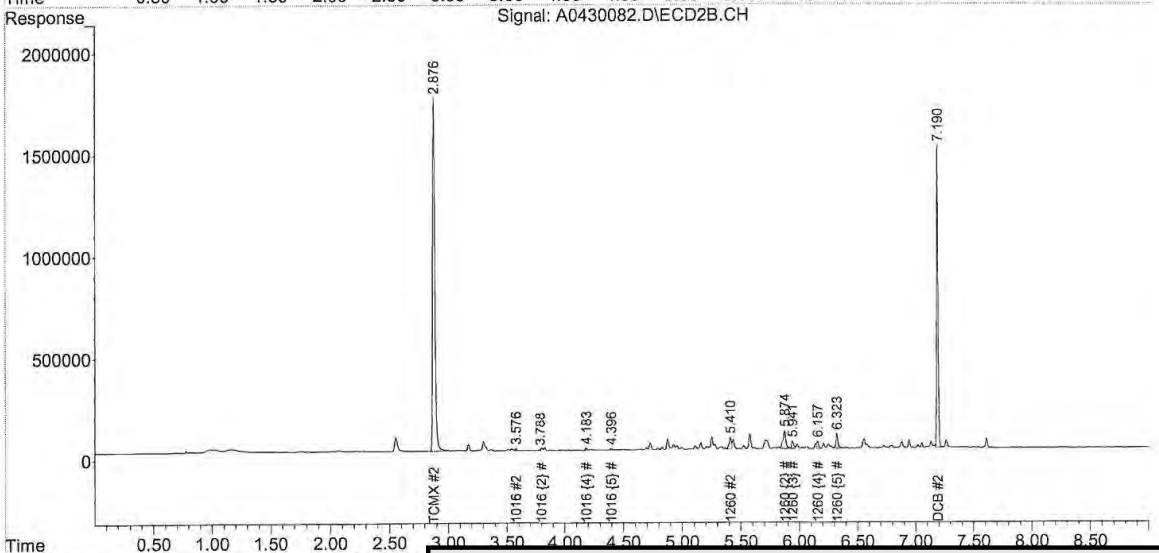
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430082.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 1:26 am
Operator : JMB
Sample : 14D1017-59@5X Inst : HP G1530A
Misc :
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 06:34:28 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



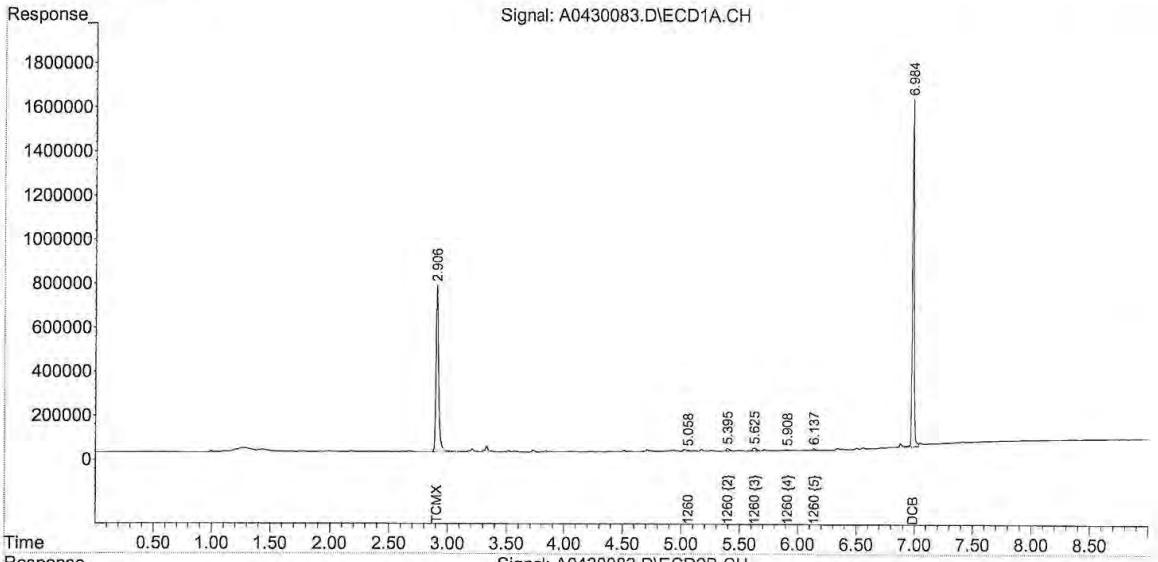


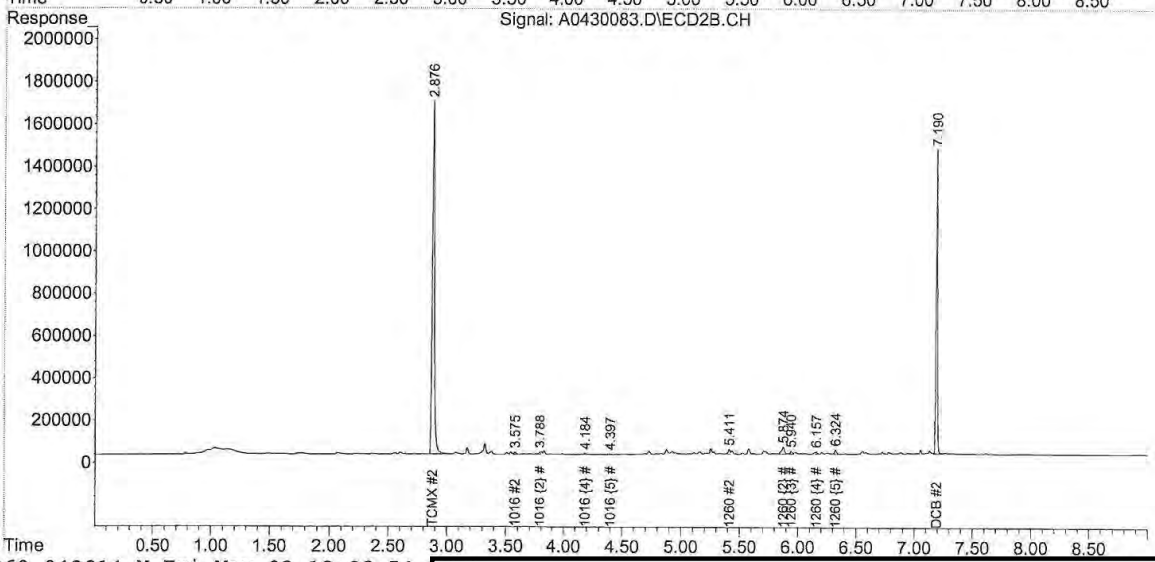
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430083.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 1:39 am
Operator : JMB
Sample : 14D1017-60@5X Inst : HP G1530A
Misc :
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 06:34:30 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

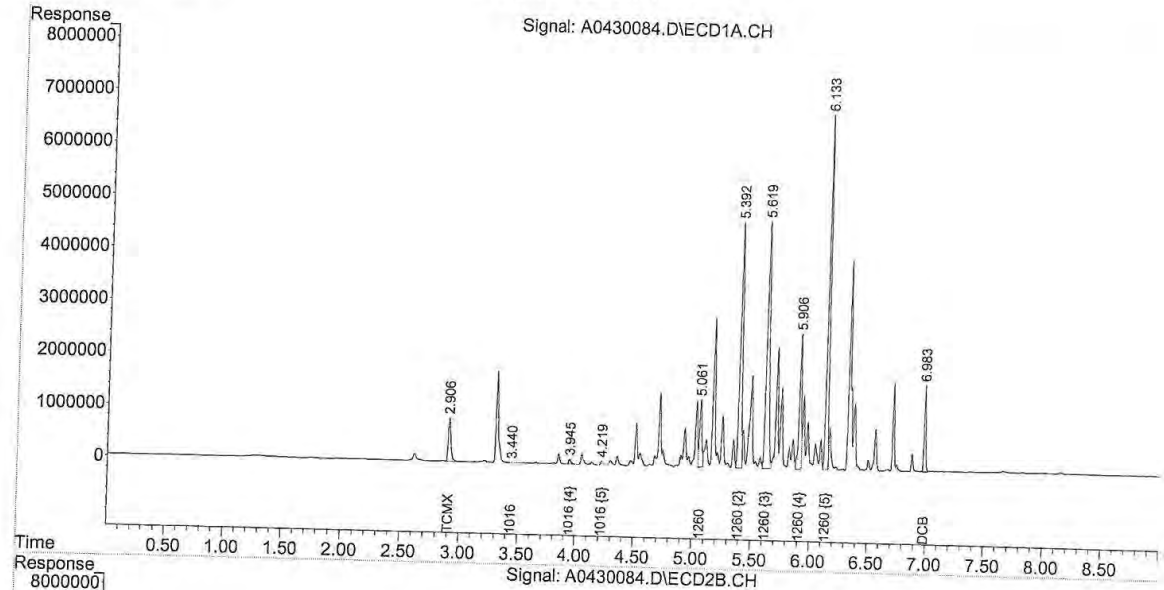
Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430084.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 1:53 am
Operator : JMB
Sample : 14D1017-61@5X
Misc :
ALS Vial : 84 Sample Multiplier: 1

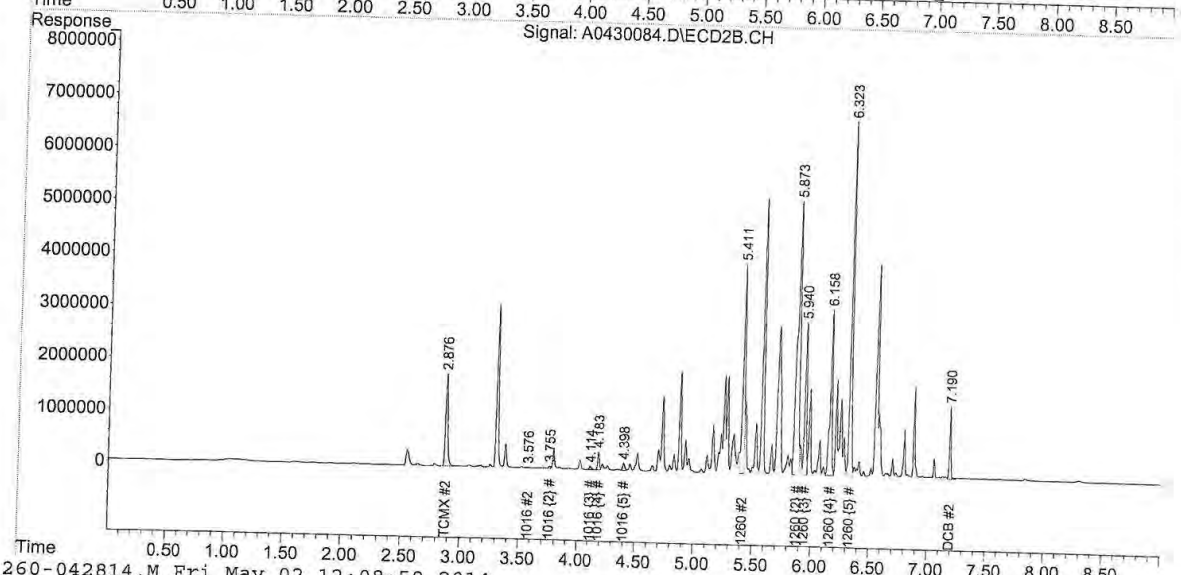
Inst : HP G1530A

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 06:34:32 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

Signal #2 Phase:
Signal #2 Info :





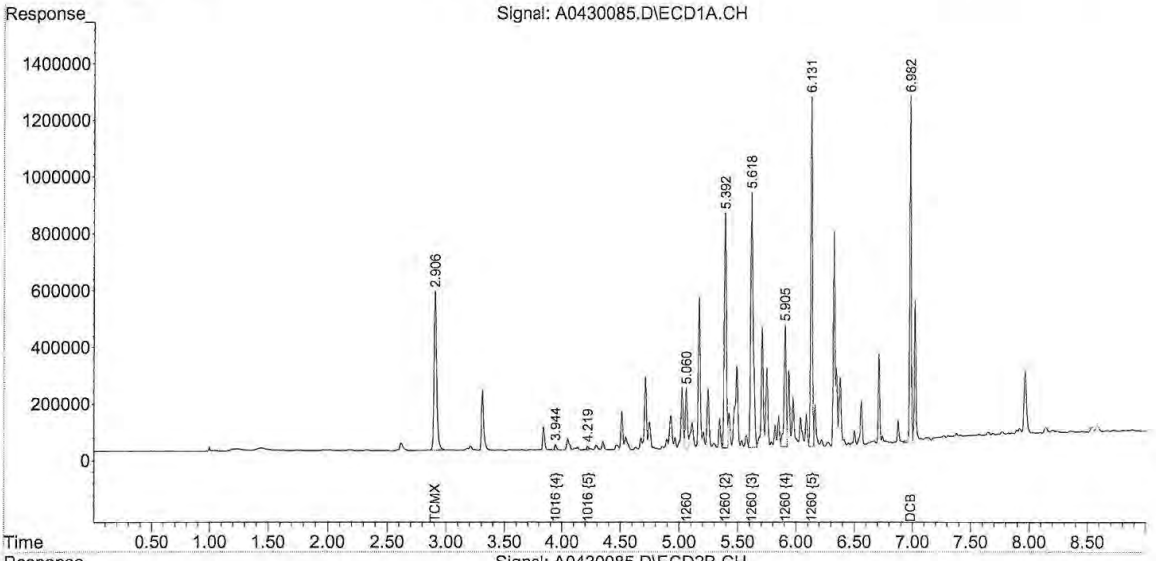
1-1260-042814.M Fri May 02 12:08:59 2014

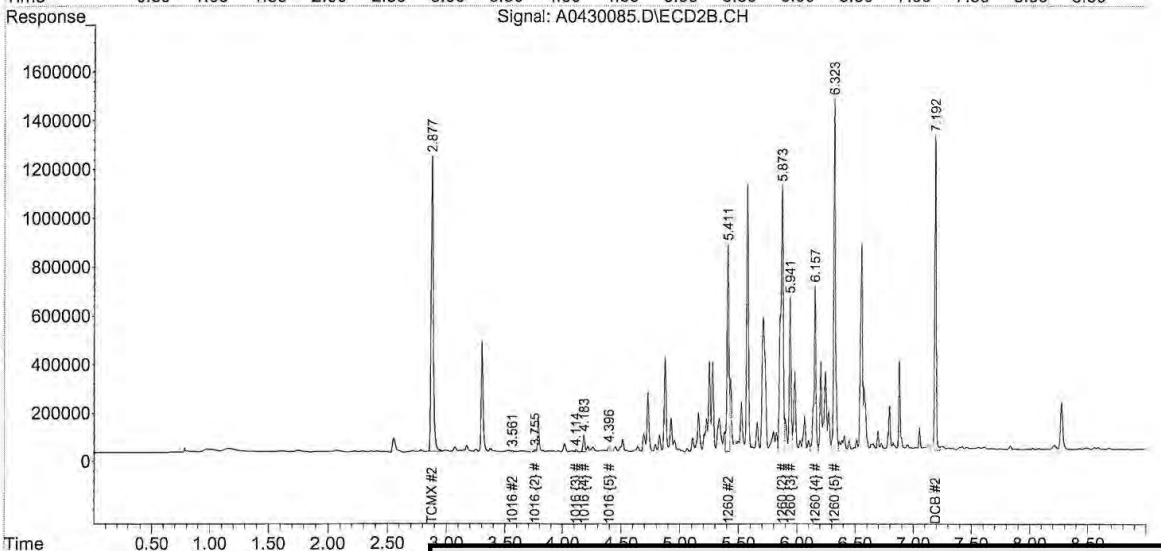
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430085.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 2:06 am
Operator : JMB
Sample : 14D1017-62@5X Inst : HP G1530A
Misc :
ALS Vial : 85 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 06:34:34 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



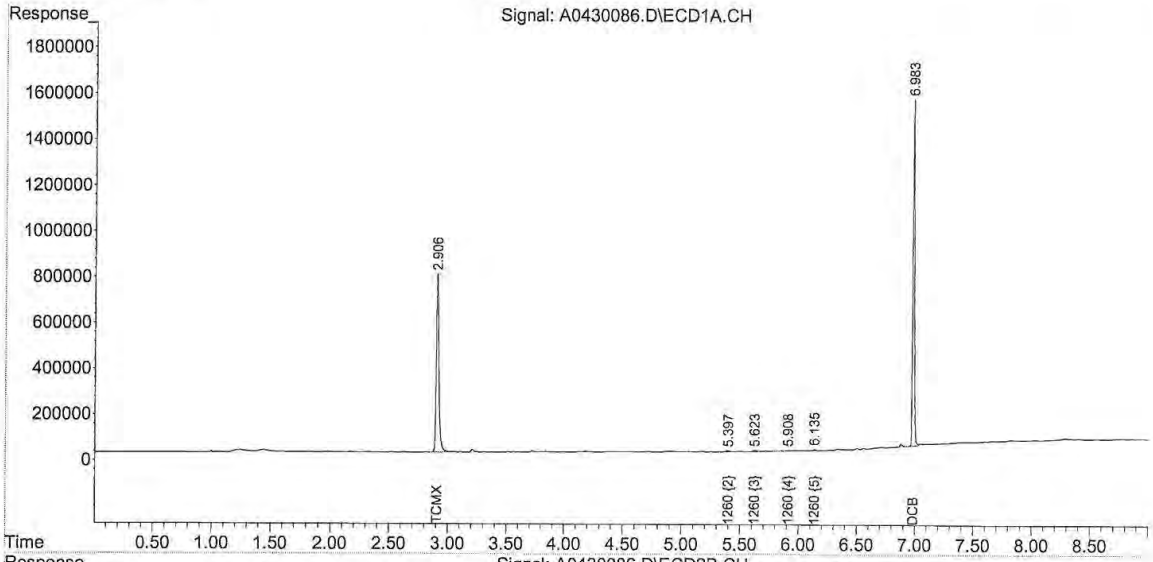


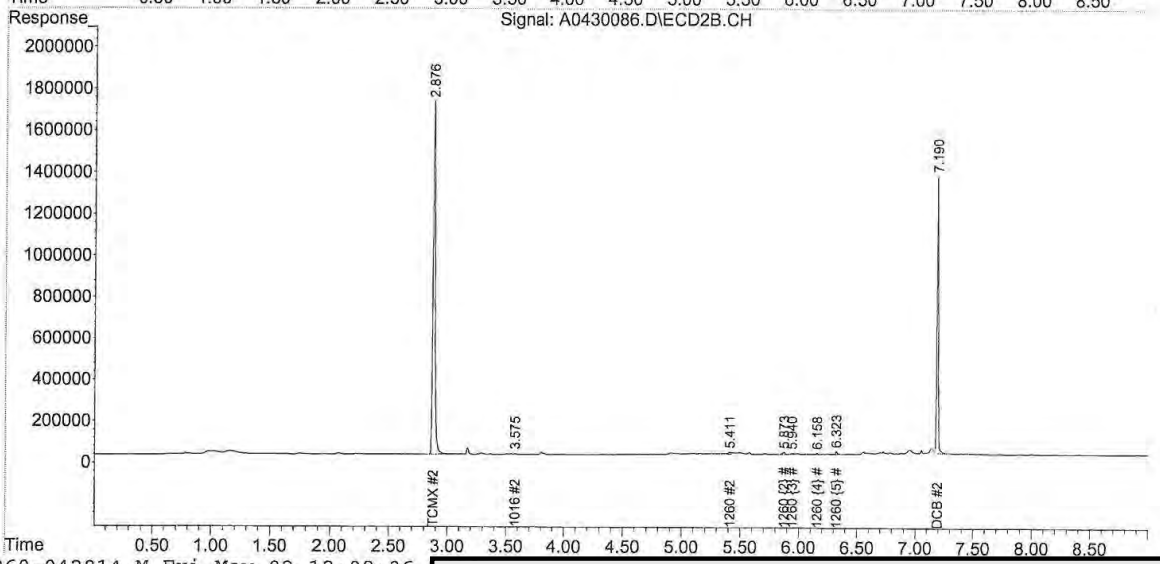
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430086.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 2:19 am
Operator : JMB
Sample : 14D1017-63@5X Inst : HP G1530A
Misc :
ALS Vial : 86 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 06:34:36 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





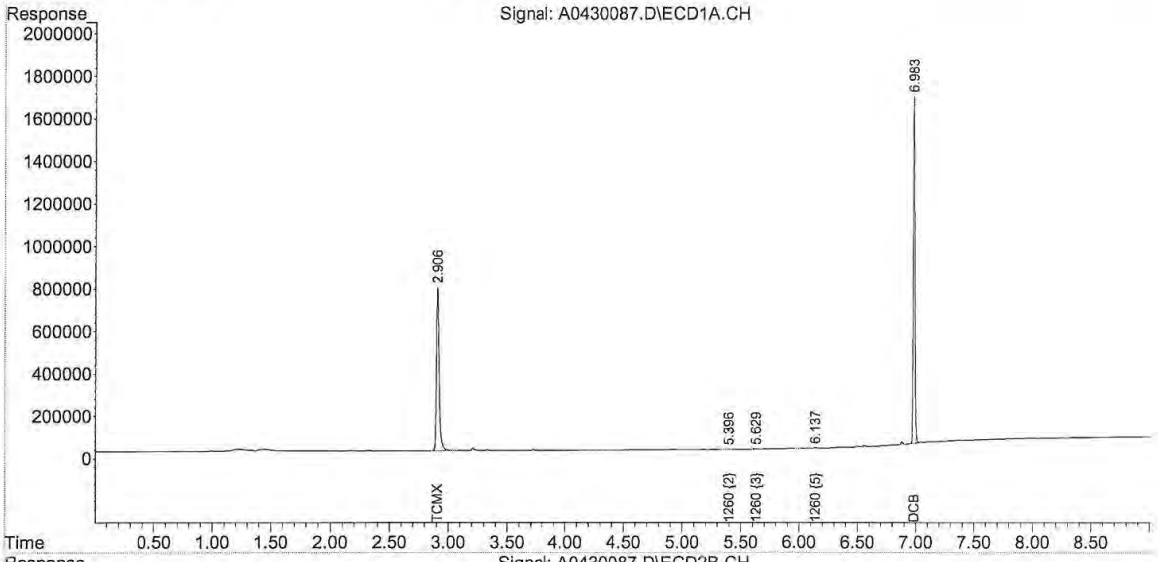
1-1260-042814.M Fri May 02 12:09:06

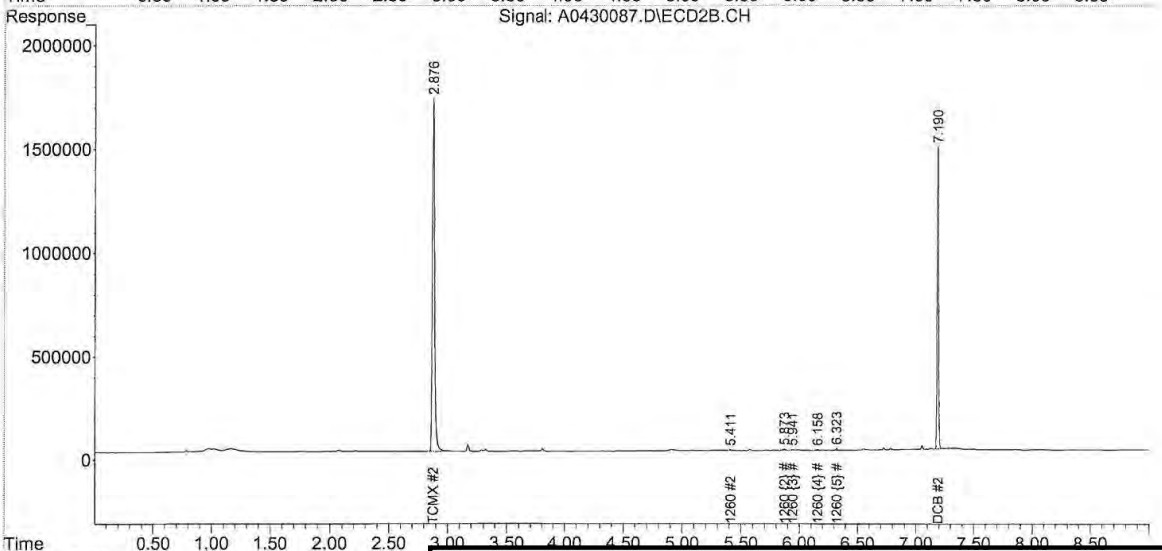
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\043014\
Data File : A0430087.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 02 May 2014 2:32 am
Operator : JMB
Sample : 14D1017-64@5X Inst : HP G1530A
Misc :
ALS Vial : 87 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 02 06:34:38 2014
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-042814.M
Quant Title : 1260/1016 04/22/14 02/25/14
QLast Update : Tue Apr 29 08:00:28 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond

Project Number: 14D1017

Laboratory Sample ID(s):
14D1017-01 thru 14D1017-69

Sample Date(s):
04/25/2014

List RCP Methods Used:
SW-846 8082A

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

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

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 05/02/14

Name of Laboratory: Con-Test Analytical Laboratory

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

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

May 5, 2014

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond
Client Job Number:
Project Number: 2110618A
Laboratory Work Order Number: 14D1084

Enclosed are results of analyses for samples received by the laboratory on April 28, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/5/2014

PURCHASE ORDER NUMBER: 02261127

PROJECT NUMBER: 2110618A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14D1084

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

PROJECT LOCATION: Berlin Settling Pond

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S11-1	14D1084-01	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S11-2	14D1084-02	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S10-1	14D1084-03	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S10-2	14D1084-04	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S9-1	14D1084-05	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S9-2	14D1084-06	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S8-1	14D1084-07	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S8-2	14D1084-08	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S7-1	14D1084-09	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S7-2	14D1084-10	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S6-1	14D1084-11	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S6-2	14D1084-12	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S5-1	14D1084-13	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S5-2	14D1084-14	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S4-1	14D1084-15	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S4-2	14D1084-16	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S3-1	14D1084-17	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
S3-2	14D1084-18	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
Dup-200	14D1084-19	Soil	0.03 mg/kg DL, 2mL FV - run undilute	SM 2540G	
				SW-846 8082A	
Wipe-101	14D1084-20	Wipe	0.03 mg/kg DL, 2mL FV - run undilute	SW-846 8082A	
EB-102	14D1084-21	Equipment Blank Water	0.03 mg/kg DL, 2mL FV - run undilute	SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

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:

Aroclor-1016 [2C]

B094792-BS1, B094792-BSD1, B094792-MS1, B094792-MSD1

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

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S11-1 | Sampled: 4/28/2014 09:00

Sample ID: 14D1084-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:45	MJC
Aroclor-1221 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:45	MJC
Aroclor-1232 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:45	MJC
Aroclor-1242 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:45	MJC
Aroclor-1248 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:45	MJC
Aroclor-1254 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:45	MJC
Aroclor-1260 [1]	0.0096	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:45	MJC
Aroclor-1262 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:45	MJC
Aroclor-1268 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:45	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.0	30-150		5/2/14 1:45
Decachlorobiphenyl [2]	121	30-150		5/2/14 1:45
Tetrachloro-m-xylene [1]	80.0	30-150		5/2/14 1:45
Tetrachloro-m-xylene [2]	94.6	30-150		5/2/14 1:45

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Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S11-1 | Sampled: 4/28/2014 09:00

Sample ID: 14D1084-01

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	78.0		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S11-2 | Sampled: 4/28/2014 09:02

Sample ID: 14D1084-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:58	MJC
Aroclor-1221 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:58	MJC
Aroclor-1232 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:58	MJC
Aroclor-1242 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:58	MJC
Aroclor-1248 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:58	MJC
Aroclor-1254 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:58	MJC
Aroclor-1260 [1]	0.0085	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:58	MJC
Aroclor-1262 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:58	MJC
Aroclor-1268 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 1:58	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.6	30-150		5/2/14 1:58
Decachlorobiphenyl [2]	129	30-150		5/2/14 1:58
Tetrachloro-m-xylene [1]	81.5	30-150		5/2/14 1:58
Tetrachloro-m-xylene [2]	98.3	30-150		5/2/14 1:58

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Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S11-2 | Sampled: 4/28/2014 09:02

Sample ID: 14D1084-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S10-1 | Sampled: 4/28/2014 09:20

Sample ID: 14D1084-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0099	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:01	MJC
Aroclor-1221 [1]	ND	0.0099	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:01	MJC
Aroclor-1232 [1]	ND	0.0099	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:01	MJC
Aroclor-1242 [1]	ND	0.0099	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:01	MJC
Aroclor-1248 [1]	ND	0.0099	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:01	MJC
Aroclor-1254 [1]	ND	0.0099	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:01	MJC
Aroclor-1260 [2]	0.10	0.0099	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:01	MJC
Aroclor-1262 [1]	ND	0.0099	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:01	MJC
Aroclor-1268 [1]	ND	0.0099	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:01	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.4	30-150		5/2/14 10:01
Decachlorobiphenyl [2]	116	30-150		5/2/14 10:01
Tetrachloro-m-xylene [1]	74.9	30-150		5/2/14 10:01
Tetrachloro-m-xylene [2]	87.7	30-150		5/2/14 10:01

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S10-1 | Sampled: 4/28/2014 09:20

Sample ID: 14D1084-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.8		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S10-2 | Sampled: 4/28/2014 09:22

Sample ID: 14D1084-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:23	MJC
Aroclor-1221 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:23	MJC
Aroclor-1232 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:23	MJC
Aroclor-1242 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:23	MJC
Aroclor-1248 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:23	MJC
Aroclor-1254 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:23	MJC
Aroclor-1260 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:23	MJC
Aroclor-1262 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:23	MJC
Aroclor-1268 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:23	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.1	30-150		5/2/14 2:23
Decachlorobiphenyl [2]	122	30-150		5/2/14 2:23
Tetrachloro-m-xylene [1]	78.9	30-150		5/2/14 2:23
Tetrachloro-m-xylene [2]	96.2	30-150		5/2/14 2:23

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Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S10-2 | Sampled: 4/28/2014 09:22

Sample ID: 14D1084-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.9		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S9-1 | Sampled: 4/28/2014 09:40

Sample ID: 14D1084-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:36	MJC
Aroclor-1221 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:36	MJC
Aroclor-1232 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:36	MJC
Aroclor-1242 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:36	MJC
Aroclor-1248 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:36	MJC
Aroclor-1254 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:36	MJC
Aroclor-1260 [2]	0.0099	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:36	MJC
Aroclor-1262 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:36	MJC
Aroclor-1268 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:36	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.1	30-150		5/2/14 2:36
Decachlorobiphenyl [2]	133	30-150		5/2/14 2:36
Tetrachloro-m-xylene [1]	80.5	30-150		5/2/14 2:36
Tetrachloro-m-xylene [2]	99.7	30-150		5/2/14 2:36

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Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S9-1 | Sampled: 4/28/2014 09:40

Sample ID: 14D1084-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.3		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S9-2 | Sampled: 4/28/2014 09:42

Sample ID: 14D1084-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0054	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:49	MJC
Aroclor-1221 [1]	ND	0.0054	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:49	MJC
Aroclor-1232 [1]	ND	0.0054	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:49	MJC
Aroclor-1242 [1]	ND	0.0054	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:49	MJC
Aroclor-1248 [1]	ND	0.0054	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:49	MJC
Aroclor-1254 [1]	ND	0.0054	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:49	MJC
Aroclor-1260 [1]	0.011	0.0054	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:49	MJC
Aroclor-1262 [1]	ND	0.0054	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:49	MJC
Aroclor-1268 [1]	ND	0.0054	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 2:49	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.7	30-150		5/2/14 2:49
Decachlorobiphenyl [2]	122	30-150		5/2/14 2:49
Tetrachloro-m-xylene [1]	77.2	30-150		5/2/14 2:49
Tetrachloro-m-xylene [2]	95.1	30-150		5/2/14 2:49

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S9-2 | Sampled: 4/28/2014 09:42

Sample ID: 14D1084-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	73.7		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S8-1 | Sampled: 4/28/2014 10:20

Sample ID: 14D1084-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0075	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:02	MJC
Aroclor-1221 [1]	ND	0.0075	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:02	MJC
Aroclor-1232 [1]	ND	0.0075	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:02	MJC
Aroclor-1242 [1]	ND	0.0075	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:02	MJC
Aroclor-1248 [1]	ND	0.0075	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:02	MJC
Aroclor-1254 [1]	ND	0.0075	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:02	MJC
Aroclor-1260 [1]	ND	0.0075	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:02	MJC
Aroclor-1262 [1]	ND	0.0075	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:02	MJC
Aroclor-1268 [1]	ND	0.0075	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:02	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.1	30-150		5/2/14 3:02
Decachlorobiphenyl [2]	117	30-150		5/2/14 3:02
Tetrachloro-m-xylene [1]	74.9	30-150		5/2/14 3:02
Tetrachloro-m-xylene [2]	101	30-150		5/2/14 3:02

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S8-1 | Sampled: 4/28/2014 10:20

Sample ID: 14D1084-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	51.8		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S8-2 | Sampled: 4/28/2014 10:22

Sample ID: 14D1084-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0073	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:15	MJC
Aroclor-1221 [1]	ND	0.0073	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:15	MJC
Aroclor-1232 [1]	ND	0.0073	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:15	MJC
Aroclor-1242 [1]	ND	0.0073	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:15	MJC
Aroclor-1248 [1]	ND	0.0073	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:15	MJC
Aroclor-1254 [1]	ND	0.0073	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:15	MJC
Aroclor-1260 [1]	ND	0.0073	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:15	MJC
Aroclor-1262 [1]	ND	0.0073	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:15	MJC
Aroclor-1268 [1]	ND	0.0073	mg/Kg dry	1		SW-846 8082A	4/30/14	5/2/14 3:15	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.7	30-150		5/2/14 3:15
Decachlorobiphenyl [2]	122	30-150		5/2/14 3:15
Tetrachloro-m-xylene [1]	76.1	30-150		5/2/14 3:15
Tetrachloro-m-xylene [2]	98.0	30-150		5/2/14 3:15

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S8-2 | Sampled: 4/28/2014 10:22

Sample ID: 14D1084-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	52.7		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S7-1 | Sampled: 4/28/2014 10:40

Sample ID: 14D1084-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.012	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:14	MJC
Aroclor-1221 [1]	ND	0.012	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:14	MJC
Aroclor-1232 [1]	ND	0.012	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:14	MJC
Aroclor-1242 [1]	ND	0.012	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:14	MJC
Aroclor-1248 [1]	ND	0.012	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:14	MJC
Aroclor-1254 [1]	ND	0.012	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:14	MJC
Aroclor-1260 [2]	0.11	0.012	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:14	MJC
Aroclor-1262 [1]	ND	0.012	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:14	MJC
Aroclor-1268 [1]	ND	0.012	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:14	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.1	30-150		5/2/14 10:14
Decachlorobiphenyl [2]	127	30-150		5/2/14 10:14
Tetrachloro-m-xylene [1]	85.1	30-150		5/2/14 10:14
Tetrachloro-m-xylene [2]	102	30-150		5/2/14 10:14

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

Project Location: Berlin Settling Pond Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S7-1 Sampled: 4/28/2014 10:40

Sample ID: 14D1084-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.6		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S7-2 | Sampled: 4/28/2014 10:42

Sample ID: 14D1084-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:21	MJC
Aroclor-1221 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:21	MJC
Aroclor-1232 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:21	MJC
Aroclor-1242 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:21	MJC
Aroclor-1248 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:21	MJC
Aroclor-1254 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:21	MJC
Aroclor-1260 [2]	0.025	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:21	MJC
Aroclor-1262 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:21	MJC
Aroclor-1268 [1]	ND	0.0051	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:21	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.4	30-150		5/3/14 5:21
Decachlorobiphenyl [2]	136	30-150		5/3/14 5:21
Tetrachloro-m-xylene [1]	88.6	30-150		5/3/14 5:21
Tetrachloro-m-xylene [2]	118	30-150		5/3/14 5:21

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S7-2 | Sampled: 4/28/2014 10:42

Sample ID: 14D1084-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.1		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S6-1 | Sampled: 4/28/2014 11:00

Sample ID: 14D1084-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0044	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:33	MJC
Aroclor-1221 [1]	ND	0.0044	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:33	MJC
Aroclor-1232 [1]	ND	0.0044	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:33	MJC
Aroclor-1242 [1]	ND	0.0044	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:33	MJC
Aroclor-1248 [1]	ND	0.0044	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:33	MJC
Aroclor-1254 [1]	ND	0.0044	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:33	MJC
Aroclor-1260 [2]	0.0050	0.0044	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:33	MJC
Aroclor-1262 [1]	ND	0.0044	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:33	MJC
Aroclor-1268 [1]	ND	0.0044	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:33	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	87.1	30-150		5/3/14 5:33	
Decachlorobiphenyl [2]	132	30-150		5/3/14 5:33	
Tetrachloro-m-xylene [1]	83.5	30-150		5/3/14 5:33	
Tetrachloro-m-xylene [2]	110	30-150		5/3/14 5:33	

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S6-1 | Sampled: 4/28/2014 11:00

Sample ID: 14D1084-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S6-2 | Sampled: 4/28/2014 11:02

Sample ID: 14D1084-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:46	MJC
Aroclor-1221 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:46	MJC
Aroclor-1232 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:46	MJC
Aroclor-1242 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:46	MJC
Aroclor-1248 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:46	MJC
Aroclor-1254 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:46	MJC
Aroclor-1260 [2]	0.0098	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:46	MJC
Aroclor-1262 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:46	MJC
Aroclor-1268 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:46	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	93.4	30-150		5/3/14 5:46	
Decachlorobiphenyl [2]	145	30-150		5/3/14 5:46	
Tetrachloro-m-xylene [1]	87.6	30-150		5/3/14 5:46	
Tetrachloro-m-xylene [2]	114	30-150		5/3/14 5:46	

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S6-2 | Sampled: 4/28/2014 11:02

Sample ID: 14D1084-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S5-1 | Sampled: 4/28/2014 11:30

Sample ID: 14D1084-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0052	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:59	MJC
Aroclor-1221 [1]	ND	0.0052	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:59	MJC
Aroclor-1232 [1]	ND	0.0052	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:59	MJC
Aroclor-1242 [1]	ND	0.0052	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:59	MJC
Aroclor-1248 [1]	ND	0.0052	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:59	MJC
Aroclor-1254 [1]	ND	0.0052	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:59	MJC
Aroclor-1260 [2]	0.056	0.0052	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:59	MJC
Aroclor-1262 [1]	ND	0.0052	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:59	MJC
Aroclor-1268 [1]	ND	0.0052	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 5:59	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		5/3/14 5:59
Decachlorobiphenyl [2]	140	30-150		5/3/14 5:59
Tetrachloro-m-xylene [1]	86.9	30-150		5/3/14 5:59
Tetrachloro-m-xylene [2]	116	30-150		5/3/14 5:59

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S5-1 | Sampled: 4/28/2014 11:30

Sample ID: 14D1084-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.8		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S5-2 | Sampled: 4/28/2014 11:32

Sample ID: 14D1084-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:12	MJC
Aroclor-1221 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:12	MJC
Aroclor-1232 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:12	MJC
Aroclor-1242 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:12	MJC
Aroclor-1248 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:12	MJC
Aroclor-1254 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:12	MJC
Aroclor-1260 [2]	0.032	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:12	MJC
Aroclor-1262 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:12	MJC
Aroclor-1268 [1]	ND	0.0050	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:12	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.7	30-150		5/3/14 6:12
Decachlorobiphenyl [2]	137	30-150		5/3/14 6:12
Tetrachloro-m-xylene [1]	84.7	30-150		5/3/14 6:12
Tetrachloro-m-xylene [2]	109	30-150		5/3/14 6:12

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S5-2 | Sampled: 4/28/2014 11:32

Sample ID: 14D1084-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.9		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S4-1 | Sampled: 4/28/2014 12:00

Sample ID: 14D1084-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:25	MJC
Aroclor-1221 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:25	MJC
Aroclor-1232 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:25	MJC
Aroclor-1242 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:25	MJC
Aroclor-1248 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:25	MJC
Aroclor-1254 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:25	MJC
Aroclor-1260 [2]	0.013	0.0049	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:25	MJC
Aroclor-1262 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:25	MJC
Aroclor-1268 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:25	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.9	30-150		5/3/14 6:25
Decachlorobiphenyl [2]	135	30-150		5/3/14 6:25
Tetrachloro-m-xylene [1]	92.3	30-150		5/3/14 6:25
Tetrachloro-m-xylene [2]	119	30-150		5/3/14 6:25

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

Project Location: Berlin Settling Pond Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S4-1 Sampled: 4/28/2014 12:00

Sample ID: 14D1084-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.6		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S4-2 | Sampled: 4/28/2014 12:02

Sample ID: 14D1084-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:37	MJC
Aroclor-1221 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:37	MJC
Aroclor-1232 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:37	MJC
Aroclor-1242 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:37	MJC
Aroclor-1248 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:37	MJC
Aroclor-1254 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:37	MJC
Aroclor-1260 [2]	0.011	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:37	MJC
Aroclor-1262 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:37	MJC
Aroclor-1268 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:37	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.4	30-150		5/3/14 6:37
Decachlorobiphenyl [2]	116	30-150		5/3/14 6:37
Tetrachloro-m-xylene [1]	73.3	30-150		5/3/14 6:37
Tetrachloro-m-xylene [2]	94.5	30-150		5/3/14 6:37

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S4-2 | Sampled: 4/28/2014 12:02

Sample ID: 14D1084-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.8		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S3-1 | Sampled: 4/28/2014 12:30

Sample ID: 14D1084-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:50	MJC
Aroclor-1221 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:50	MJC
Aroclor-1232 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:50	MJC
Aroclor-1242 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:50	MJC
Aroclor-1248 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:50	MJC
Aroclor-1254 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:50	MJC
Aroclor-1260 [2]	0.0052	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:50	MJC
Aroclor-1262 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:50	MJC
Aroclor-1268 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 6:50	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.5	30-150		5/3/14 6:50
Decachlorobiphenyl [2]	116	30-150		5/3/14 6:50
Tetrachloro-m-xylene [1]	73.3	30-150		5/3/14 6:50
Tetrachloro-m-xylene [2]	93.5	30-150		5/3/14 6:50

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S3-1 | Sampled: 4/28/2014 12:30

Sample ID: 14D1084-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S3-2 | Sampled: 4/28/2014 12:32

Sample ID: 14D1084-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 7:03	MJC
Aroclor-1221 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 7:03	MJC
Aroclor-1232 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 7:03	MJC
Aroclor-1242 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 7:03	MJC
Aroclor-1248 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 7:03	MJC
Aroclor-1254 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 7:03	MJC
Aroclor-1260 [2]	0.0062	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 7:03	MJC
Aroclor-1262 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 7:03	MJC
Aroclor-1268 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	4/30/14	5/3/14 7:03	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.2	30-150		5/3/14 7:03
Decachlorobiphenyl [2]	123	30-150		5/3/14 7:03
Tetrachloro-m-xylene [1]	79.6	30-150		5/3/14 7:03
Tetrachloro-m-xylene [2]	103	30-150		5/3/14 7:03

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: S3-2 | Sampled: 4/28/2014 12:32

Sample ID: 14D1084-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: Dup-200 | Sampled: 4/28/2014 00:00

Sample ID: 14D1084-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.011	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:27	MJC
Aroclor-1221 [1]	ND	0.011	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:27	MJC
Aroclor-1232 [1]	ND	0.011	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:27	MJC
Aroclor-1242 [1]	ND	0.011	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:27	MJC
Aroclor-1248 [1]	ND	0.011	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:27	MJC
Aroclor-1254 [1]	ND	0.011	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:27	MJC
Aroclor-1260 [2]	0.12	0.011	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:27	MJC
Aroclor-1262 [1]	ND	0.011	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:27	MJC
Aroclor-1268 [1]	ND	0.011	mg/Kg dry	2		SW-846 8082A	4/30/14	5/2/14 10:27	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.7	30-150		5/2/14 10:27
Decachlorobiphenyl [2]	124	30-150		5/2/14 10:27
Tetrachloro-m-xylene [1]	83.3	30-150		5/2/14 10:27
Tetrachloro-m-xylene [2]	99.9	30-150		5/2/14 10:27

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: Dup-200 | Sampled: 4/28/2014 00:00

Sample ID: 14D1084-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	67.4		% Wt	1		SM 2540G	5/2/14	5/5/14 16:13	AKS

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: Wipe-101 | Sampled: 4/28/2014 13:00

Sample ID: 14D1084-20

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/1/14	5/3/14 9:36	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/1/14	5/3/14 9:36	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/1/14	5/3/14 9:36	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/1/14	5/3/14 9:36	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/1/14	5/3/14 9:36	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/1/14	5/3/14 9:36	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/1/14	5/3/14 9:36	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/1/14	5/3/14 9:36	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/1/14	5/3/14 9:36	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	122	30-150		5/3/14 9:36
Decachlorobiphenyl [2]	113	30-150		5/3/14 9:36
Tetrachloro-m-xylene [1]	111	30-150		5/3/14 9:36
Tetrachloro-m-xylene [2]	105	30-150		5/3/14 9:36

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

Project Location: Berlin Settling Pond | Sample Description: 0.03 mg/kg DL, 2mL FV - run undilute | Work Order: 14D1084

Date Received: 4/28/2014

Field Sample #: EB-102 | Sampled: 4/28/2014 13:20

Sample ID: 14D1084-21

Sample Matrix: Equipment Blank 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	4/29/14	4/30/14 19:25	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/29/14	4/30/14 19:25	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/29/14	4/30/14 19:25	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/29/14	4/30/14 19:25	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/29/14	4/30/14 19:25	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/29/14	4/30/14 19:25	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/29/14	4/30/14 19:25	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/29/14	4/30/14 19:25	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	4/29/14	4/30/14 19:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	54.6	30-150		4/30/14 19:25
Decachlorobiphenyl [2]	61.3	30-150		4/30/14 19:25
Tetrachloro-m-xylene [1]	64.6	30-150		4/30/14 19:25
Tetrachloro-m-xylene [2]	72.6	30-150		4/30/14 19:25

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
14D1084-01 [S11-1]	B094967	05/02/14
14D1084-02 [S11-2]	B094967	05/02/14
14D1084-03 [S10-1]	B094967	05/02/14
14D1084-04 [S10-2]	B094967	05/02/14
14D1084-05 [S9-1]	B094967	05/02/14
14D1084-06 [S9-2]	B094967	05/02/14
14D1084-07 [S8-1]	B094967	05/02/14
14D1084-08 [S8-2]	B094967	05/02/14
14D1084-09 [S7-1]	B094967	05/02/14
14D1084-10 [S7-2]	B094967	05/02/14
14D1084-11 [S6-1]	B094967	05/02/14
14D1084-12 [S6-2]	B094967	05/02/14
14D1084-13 [S5-1]	B094967	05/02/14
14D1084-14 [S5-2]	B094967	05/02/14
14D1084-15 [S4-1]	B094967	05/02/14
14D1084-16 [S4-2]	B094967	05/02/14
14D1084-17 [S3-1]	B094967	05/02/14
14D1084-18 [S3-2]	B094967	05/02/14
14D1084-19 [Dup-200]	B094967	05/02/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14D1084-01 [S11-1]	B094792	10.3	2.00	04/30/14
14D1084-02 [S11-2]	B094792	10.1	2.00	04/30/14
14D1084-03 [S10-1]	B094792	10.3	2.00	04/30/14
14D1084-04 [S10-2]	B094792	10.1	2.00	04/30/14
14D1084-05 [S9-1]	B094792	10.1	2.00	04/30/14
14D1084-06 [S9-2]	B094792	10.1	2.00	04/30/14
14D1084-07 [S8-1]	B094792	10.3	2.00	04/30/14
14D1084-08 [S8-2]	B094792	10.4	2.00	04/30/14
14D1084-09 [S7-1]	B094792	10.3	2.00	04/30/14
14D1084-10 [S7-2]	B094792	10.4	2.00	04/30/14
14D1084-11 [S6-1]	B094792	10.2	2.00	04/30/14
14D1084-12 [S6-2]	B094792	10.1	2.00	04/30/14
14D1084-13 [S5-1]	B094792	10.1	2.00	04/30/14
14D1084-14 [S5-2]	B094792	10.1	2.00	04/30/14
14D1084-15 [S4-1]	B094792	10.0	2.00	04/30/14
14D1084-16 [S4-2]	B094792	10.1	2.00	04/30/14
14D1084-17 [S3-1]	B094792	10.4	2.00	04/30/14
14D1084-18 [S3-2]	B094792	10.3	2.00	04/30/14
14D1084-19 [Dup-200]	B094792	10.4	2.00	04/30/14

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
14D1084-21 [EB-102]	B094738	1000	10.0	04/29/14

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
14D1084-20 [Wipe-101]	B094918	1.00	10.0	05/01/14

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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 B094738 - SW-846 3510C										
Blank (B094738-BLK1)				Prepared: 04/29/14 Analyzed: 04/30/14						
Aroclor-1016	ND	0.040	µg/L							
Aroclor-1016 [2C]	ND	0.040	µg/L							
Aroclor-1221	ND	0.040	µg/L							
Aroclor-1221 [2C]	ND	0.040	µg/L							
Aroclor-1232	ND	0.040	µg/L							
Aroclor-1232 [2C]	ND	0.040	µg/L							
Aroclor-1242	ND	0.040	µg/L							
Aroclor-1242 [2C]	ND	0.040	µg/L							
Aroclor-1248	ND	0.040	µg/L							
Aroclor-1248 [2C]	ND	0.040	µg/L							
Aroclor-1254	ND	0.040	µg/L							
Aroclor-1254 [2C]	ND	0.040	µg/L							
Aroclor-1260	ND	0.040	µg/L							
Aroclor-1260 [2C]	ND	0.040	µg/L							
Aroclor-1262	ND	0.040	µg/L							
Aroclor-1262 [2C]	ND	0.040	µg/L							
Aroclor-1268	ND	0.040	µg/L							
Aroclor-1268 [2C]	ND	0.040	µg/L							
Surrogate: Decachlorobiphenyl	*1.38*		µg/L	2.00		69.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.82*		µg/L	2.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.17*		µg/L	2.00		58.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.47*		µg/L	2.00		73.7	30-150			
LCS (B094738-BS1)				Prepared: 04/29/14 Analyzed: 04/30/14						
Aroclor-1016	0.44	0.20	µg/L	0.500		87.5	40-140			
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		83.9	40-140			
Aroclor-1260	0.42	0.20	µg/L	0.500		83.5	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.6	40-140			
Surrogate: Decachlorobiphenyl	*1.33*		µg/L	2.00		66.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.49*		µg/L	2.00		74.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.29*		µg/L	2.00		64.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.45*		µg/L	2.00		72.5	30-150			
LCS Dup (B094738-BSD1)				Prepared: 04/29/14 Analyzed: 04/30/14						
Aroclor-1016	0.41	0.20	µg/L	0.500		82.2	40-140	6.25	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		86.1	40-140	2.62	20	
Aroclor-1260	0.43	0.20	µg/L	0.500		86.4	40-140	3.40	20	
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.0	40-140	2.75	20	
Surrogate: Decachlorobiphenyl	*1.41*		µg/L	2.00		70.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.61*		µg/L	2.00		80.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.31*		µg/L	2.00		65.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.50*		µg/L	2.00		74.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B094792 - SW-846 3540C										
Blank (B094792-BLK1)				Prepared: 04/30/14 Analyzed: 05/02/14						
Aroclor-1016	ND	0.0040	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1221	ND	0.0040	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1232	ND	0.0040	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1242	ND	0.0040	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1248	ND	0.0040	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1254	ND	0.0040	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1260	ND	0.0040	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1262	ND	0.0040	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1268	ND	0.0040	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.0040	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.171*		mg/Kg wet	0.200		85.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.253*		mg/Kg wet	0.200		126	30-150			
Surrogate: Tetrachloro-m-xylene	*0.137*		mg/Kg wet	0.200		68.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.176*		mg/Kg wet	0.200		87.9	30-150			
LCS (B094792-BS1)				Prepared: 04/30/14 Analyzed: 05/02/14						
Aroclor-1016	0.14	0.0040	mg/Kg wet	0.200		71.7	40-140			
Aroclor-1016 [2C]	0.14	0.0040	mg/Kg wet	0.200		72.0	40-140			V-06
Aroclor-1260	0.16	0.0040	mg/Kg wet	0.200		79.6	40-140			
Aroclor-1260 [2C]	0.16	0.0040	mg/Kg wet	0.200		80.8	40-140			
Surrogate: Decachlorobiphenyl	*0.170*		mg/Kg wet	0.200		84.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.242*		mg/Kg wet	0.200		121	30-150			
Surrogate: Tetrachloro-m-xylene	*0.140*		mg/Kg wet	0.200		69.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.170*		mg/Kg wet	0.200		85.0	30-150			
LCS Dup (B094792-BSD1)				Prepared: 04/30/14 Analyzed: 05/02/14						
Aroclor-1016	0.14	0.0040	mg/Kg wet	0.200		70.9	40-140	1.00	30	
Aroclor-1016 [2C]	0.15	0.0040	mg/Kg wet	0.200		75.5	40-140	4.74	30	V-06
Aroclor-1260	0.16	0.0040	mg/Kg wet	0.200		80.6	40-140	1.26	30	
Aroclor-1260 [2C]	0.16	0.0040	mg/Kg wet	0.200		79.3	40-140	1.97	30	
Surrogate: Decachlorobiphenyl	*0.170*		mg/Kg wet	0.200		85.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.230*		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	*0.142*		mg/Kg wet	0.200		71.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.169*		mg/Kg wet	0.200		84.5	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B094792 - SW-846 3540C										
Matrix Spike (B094792-MS1)	**Source: 14D1084-13**			Prepared: 04/30/14 Analyzed: 05/03/14						
Aroclor-1016	0.21	0.0052	mg/Kg dry	0.258	0.0	81.5	40-140			
Aroclor-1016 [2C]	0.24	0.0052	mg/Kg dry	0.258	0.0	93.9	40-140			V-06
Aroclor-1260	0.26	0.0052	mg/Kg dry	0.258	0.050	80.1	40-140			
Aroclor-1260 [2C]	0.31	0.0052	mg/Kg dry	0.258	0.056	97.1	40-140			
Surrogate: Decachlorobiphenyl	*0.232*		mg/Kg dry	0.258		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.380*		mg/Kg dry	0.258		148	30-150			
Surrogate: Tetrachloro-m-xylene	*0.223*		mg/Kg dry	0.258		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.299*		mg/Kg dry	0.258		116	30-150			
Matrix Spike Dup (B094792-MSD1)	**Source: 14D1084-13**			Prepared: 04/30/14 Analyzed: 05/03/14						
Aroclor-1016	0.18	0.0052	mg/Kg dry	0.258	0.0	69.8	40-140	15.6	50	
Aroclor-1016 [2C]	0.20	0.0052	mg/Kg dry	0.258	0.0	78.3	40-140	18.2	50	V-06
Aroclor-1260	0.19	0.0052	mg/Kg dry	0.258	0.050	55.7	40-140	27.8	50	
Aroclor-1260 [2C]	0.23	0.0052	mg/Kg dry	0.258	0.056	69.3	40-140	26.5	50	
Surrogate: Decachlorobiphenyl	*0.185*		mg/Kg dry	0.258		71.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.300*		mg/Kg dry	0.258		116	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg dry	0.258		77.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.256*		mg/Kg dry	0.258		99.3	30-150			
Batch B094918 - SW-846 3540C										
Blank (B094918-BLK1)				Prepared: 05/01/14 Analyzed: 05/03/14						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*2.07*		µg/Wipe	2.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.89*		µg/Wipe	2.00		94.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.87*		µg/Wipe	2.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.76*		µg/Wipe	2.00		88.2	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B094918 - SW-846 3540C										
LCS (B094918-BS1)				Prepared: 05/01/14 Analyzed: 05/03/14						
Aroclor-1016	0.45	0.20	µg/Wipe	0.500		89.1	40-140			
Aroclor-1016 [2C]	0.43	0.20	µg/Wipe	0.500		85.3	40-140			
Aroclor-1260	0.45	0.20	µg/Wipe	0.500		90.3	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/Wipe	0.500		86.1	40-140			
Surrogate: Decachlorobiphenyl	*1.94*		µg/Wipe	2.00		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.78*		µg/Wipe	2.00		88.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/Wipe	2.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.72*		µg/Wipe	2.00		86.0	30-150			
LCS Dup (B094918-BSD1)				Prepared: 05/01/14 Analyzed: 05/03/14						
Aroclor-1016	0.47	0.20	µg/Wipe	0.500		94.6	40-140	5.90	30	
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		91.4	40-140	6.81	30	
Aroclor-1260	0.48	0.20	µg/Wipe	0.500		96.0	40-140	6.07	30	
Aroclor-1260 [2C]	0.45	0.20	µg/Wipe	0.500		90.1	40-140	4.53	30	
Surrogate: Decachlorobiphenyl	*2.00*		µg/Wipe	2.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.81*		µg/Wipe	2.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.85*		µg/Wipe	2.00		92.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.74*		µg/Wipe	2.00		87.1	30-150			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B094967 - % Solids										
Duplicate (B094967-DUP2)	**Source: 14D1084-07**			Prepared: 05/02/14 Analyzed: 05/05/14						
% Solids	50.3		% Wt		51.8			2.94	20	
Duplicate (B094967-DUP3)	**Source: 14D1084-08**			Prepared: 05/02/14 Analyzed: 05/05/14						
% Solids	55.7		% Wt		52.7			5.54	20	
Duplicate (B094967-DUP4)	**Source: 14D1084-09**			Prepared: 05/02/14 Analyzed: 05/05/14						
% Solids	66.2		% Wt		66.6			0.602	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	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.
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ
SW-846 8082A in Water	
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

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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	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
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CHAIN OF CUSTODY RECORD

14D1084

39 Spruce Street
East longmeadow, MA 01028

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Project # 860 513-1483

Rocky Hill, CT 06067 Client PO# 02261127

Attention: Jeff Willson

Project Location: Berlin Settling Pond (Berlin, CT)

Sampled By: WILL SIROTNAK

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER_____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples
01	S11-1	4/25/14	0900		X	S	U	1	I	A	✓	✓	
02	S11-2		0902								✓	✓	
03	S10-1		0920								✓	✓	
04	S10-2		0922								✓	✓	
05	S9-1		0940								✓	✓	
06	S9-2		0942								✓	✓	
07	S8-1		1020								✓	✓	
08	S8-2		1022								✓	✓	
09	S7-1		1040								✓	✓	
10	S7-2	✓	1042		✓	✓	✓				✓	✓	

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:

Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	4/28/14	Date/Time: 16:25
Received by: (signature) Paul Racicot	4/28/14	Date/Time: 16:25
Relinquished by: (signature) Paul Racicot	4/28/14	Date/Time: 1735
Received by: (signature) 10.9°C	4/28/14	Date/Time: 17:35

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: Detection Limit must be 0.03 mg/kg
Other:

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

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AIHA ACCREDITED LABORATORY
NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

MD1084

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email: sorokca@nu.com willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER_____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	S6-1	4/23/14	1100		X	S	U	✓	✓		1	I	A
12	S6-2		1102					✓	✓				
13	S5-1		1130					✓	✓				
14	S5-2		1132					✓	✓				
15	S4-1		1200					✓	✓				
16	S4-2		1202					✓	✓				
17	S3-1		1230					✓	✓				
18	S3-2		1232					✓	✓				
19	Dup-200		—					✓	✓				
20	WIPE-101	↓	1300		↓	↓	↓	✓	✓				

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
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****Preservation**
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Comments:
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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

	Date/Time:
Relinquished by: (signature) 4/28/14	16:25
Received by: (signature) 4/28/14	16:25
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Received by: (signature) 10.9°C 4/28/14	17:35

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: Required detection limit = 0.03 mg/kg
Other:

Is your project MCP or RCP ?
○ MCP Form Required
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www.contestlabs.com
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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

14D1084

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
21	EB-107	4/25/14	1320		X	O	U	✓	✓		1	I	A

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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Comments:
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☐ 10-Day
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Massachusetts:
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Is your project MCP or RCP ?
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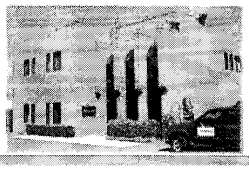


Sample Receipt Checklist

CLIENT NAME: Weston + Sampson **RECEIVED BY:** MJ **DATE:** 4/28/14

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) See comments
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 10.9°C
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	2	8 oz amber/clear jar	19A
500 mL Amber		4 oz amber/clear jar	1C
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		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:
Dup-200 actually labeled "D-1", wipe-101 labeled just "wipe", FB-102 labeled just "FB"

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved

Time and Date Frozen:

Page 2 of 2

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) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	F	See previous page
4) Cooler Temperature is acceptable.	F	"
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	See previous page
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.	T	
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 requsted 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.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** **Date/Time:**

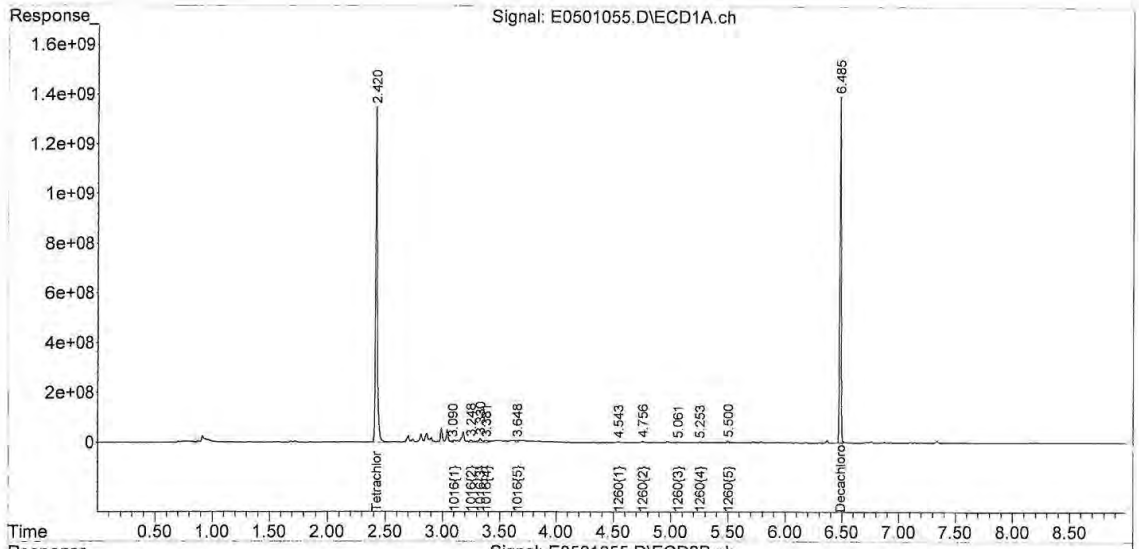
MJ 4/28/14 17:35

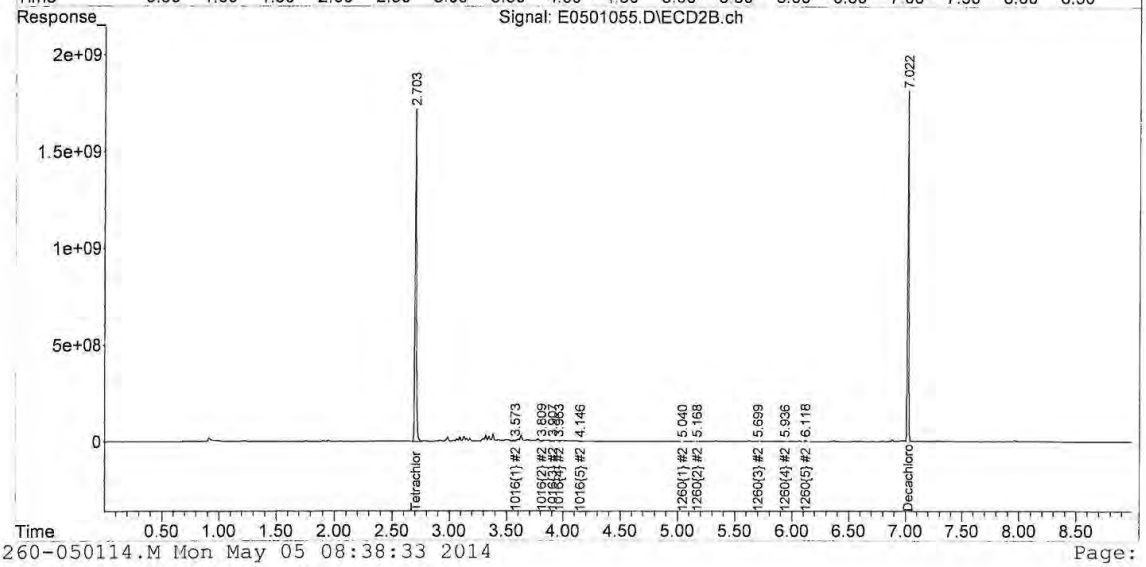
Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 1:45 am
Operator : JMB
Sample : 14D1084-01@TBA
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 12:43:56 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



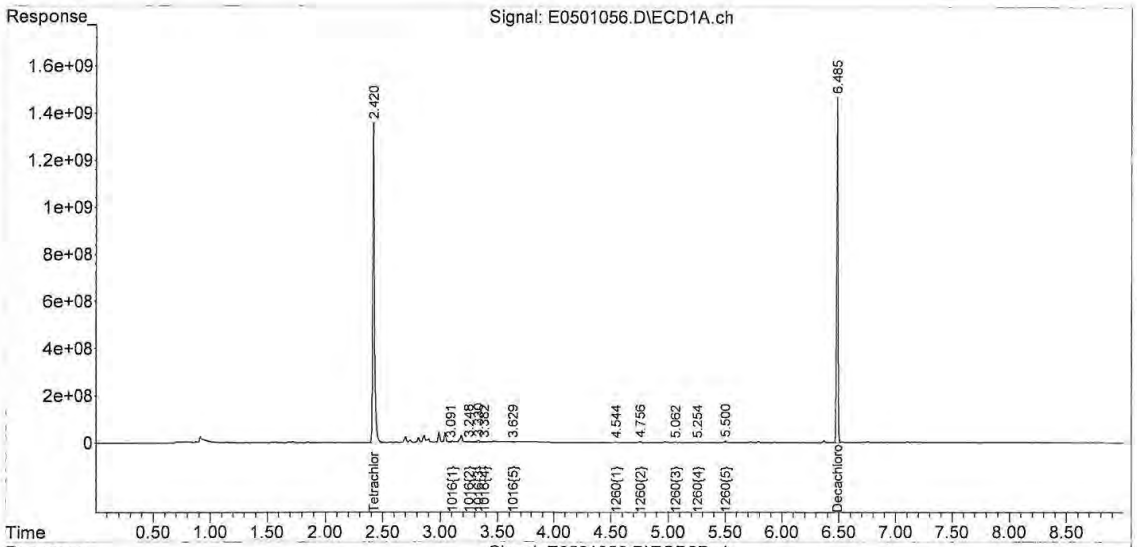


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501056.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 1:58 am
Operator : JMB
Sample : 14D1084-02@TBA
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 12:51:36 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

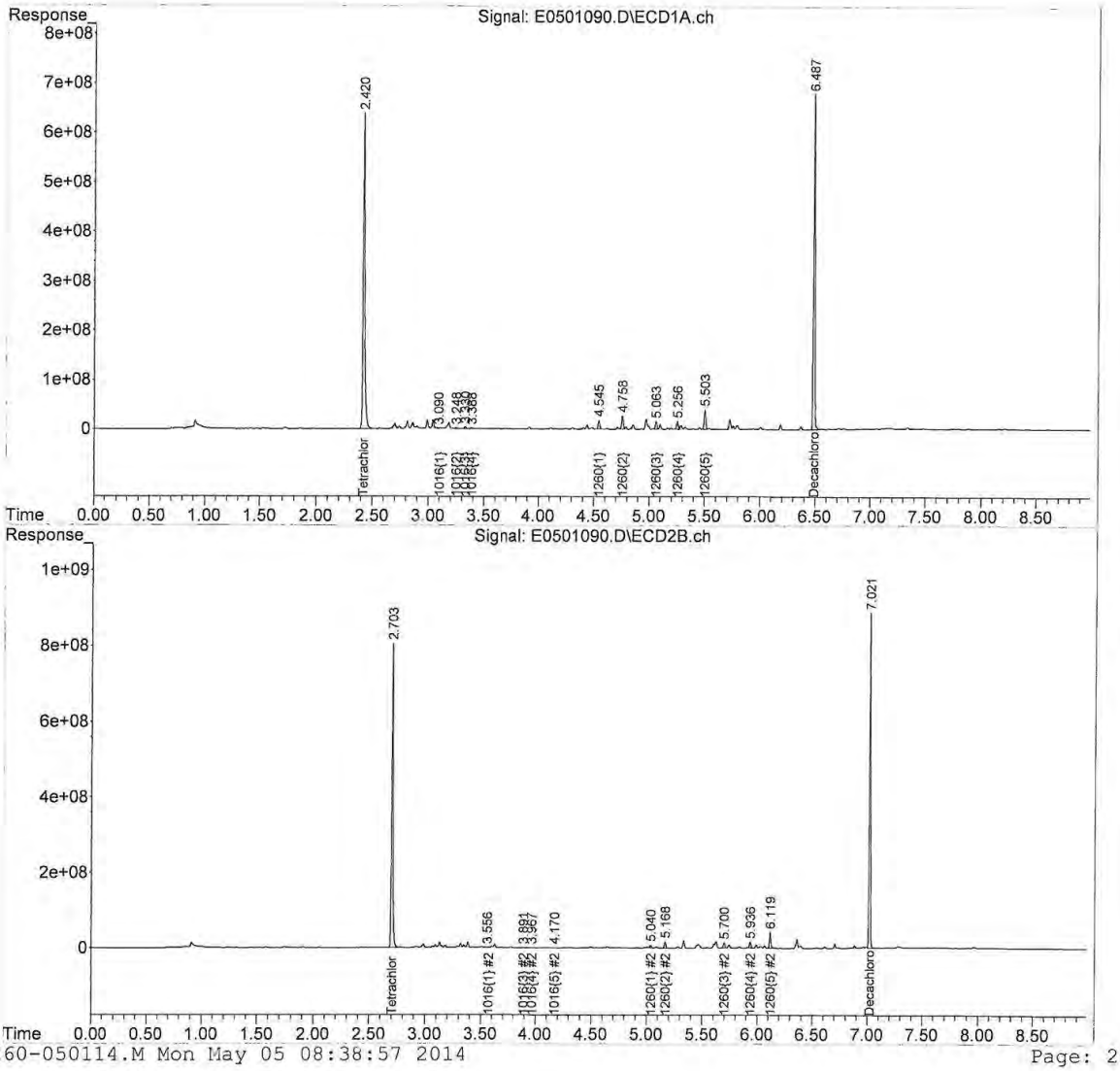


Quantitation Report (Not Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 10:01 am
Operator : JMB
Sample : 14D1084-03@2X
Misc :
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 11:44:32 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

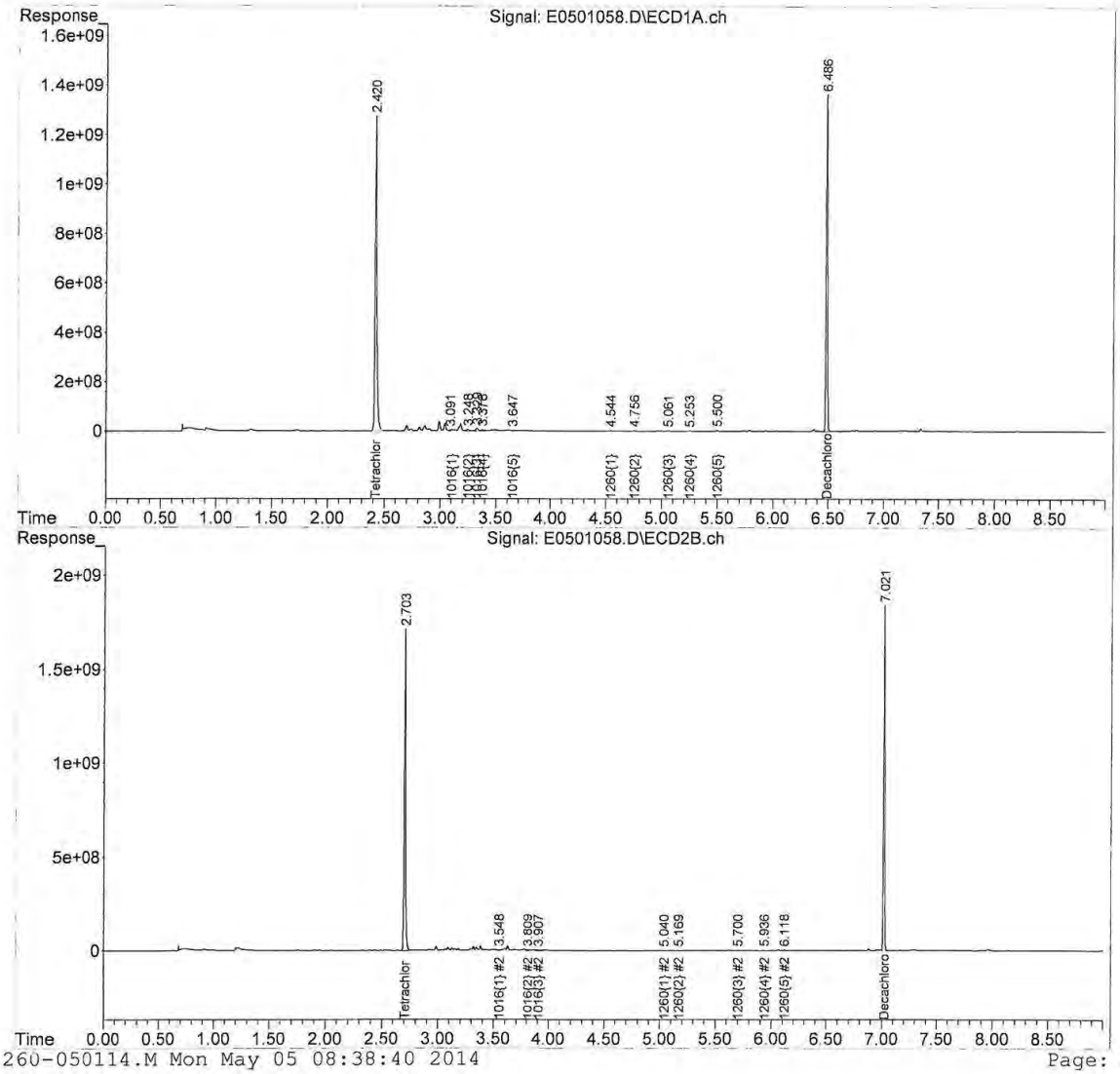


Quantitation Report (Not Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 2:23 am
Operator : JMB
Sample : 14D1084-04@TBA
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 07:17:39 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

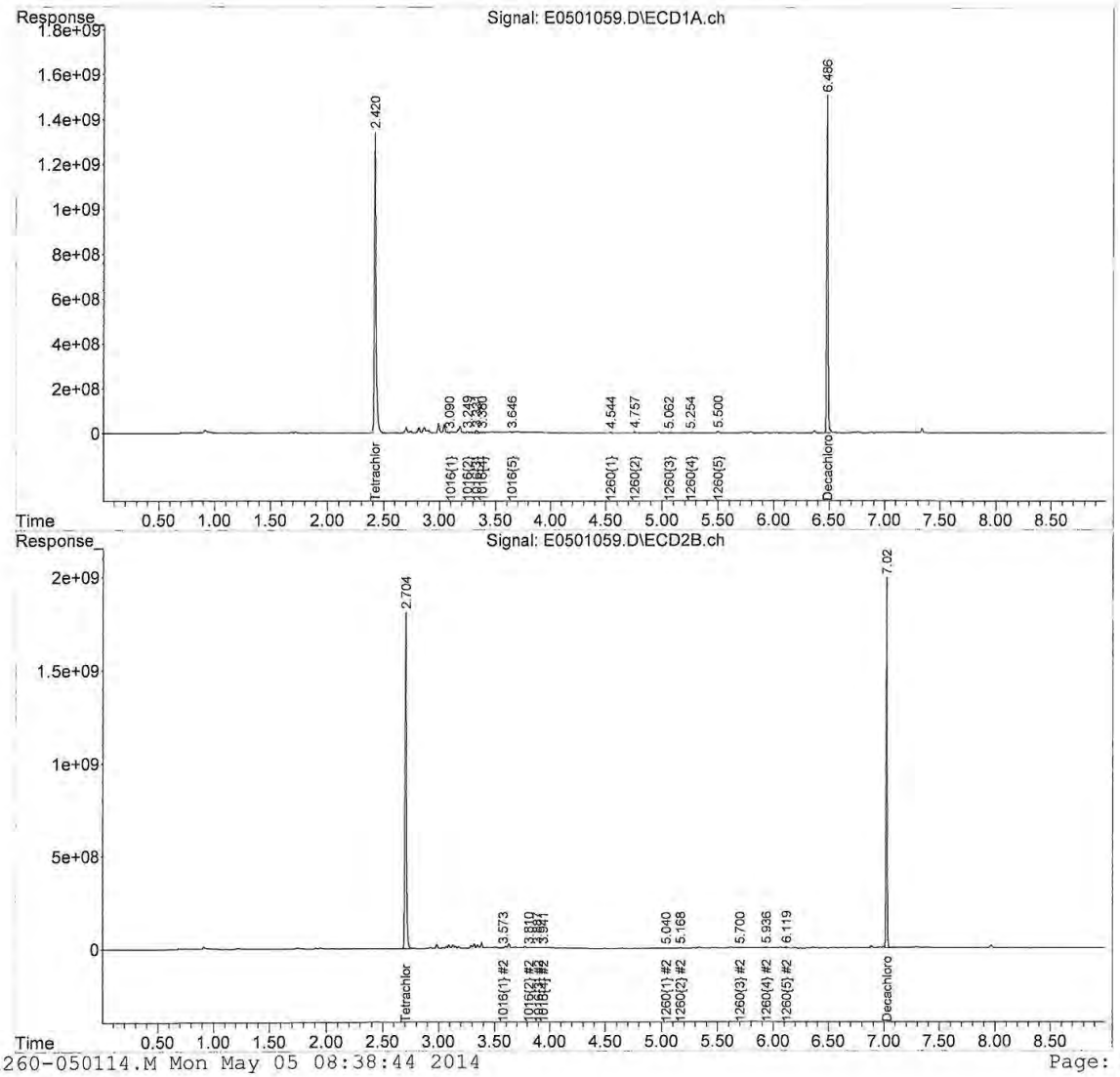


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501059.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 2:36 am
Operator : JMB
Sample : 14D1084-05@TBA
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 12:55:42 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

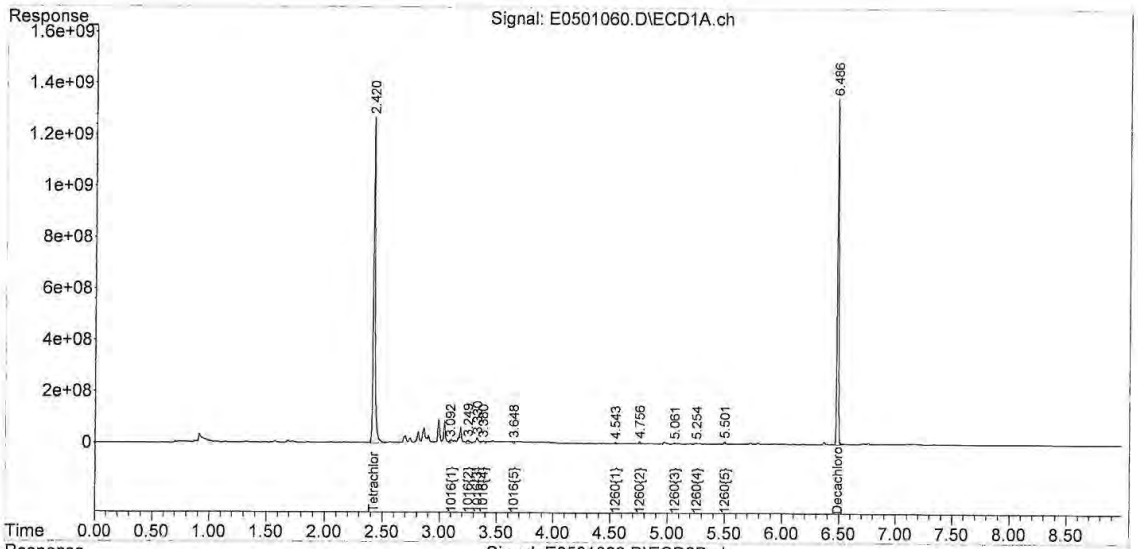


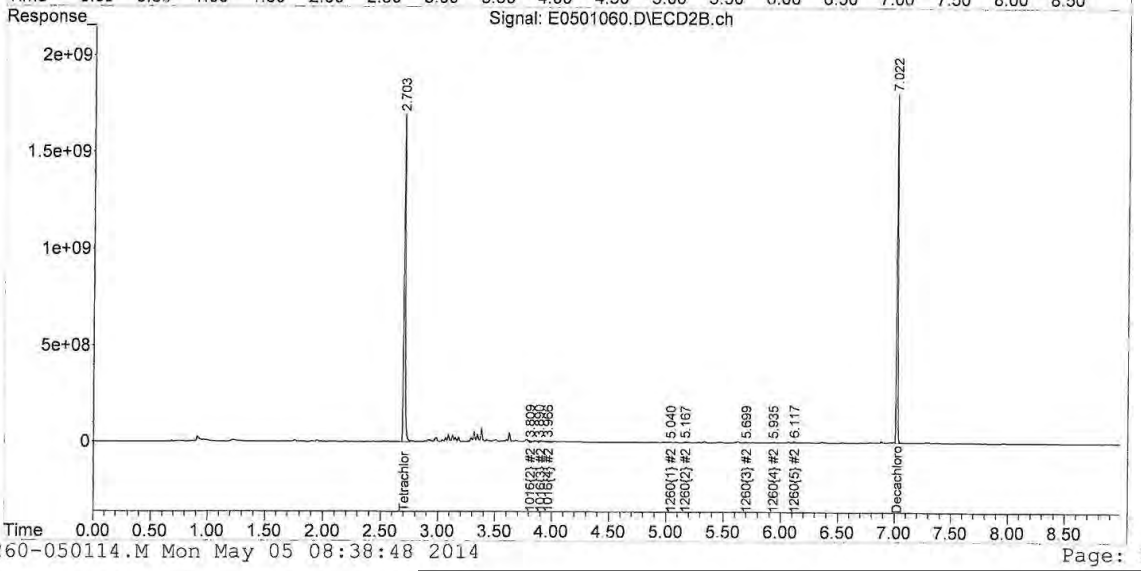
Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501060.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 2:49 am
Operator : JMB
Sample : 14D1084-06@TBA
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 12:56:44 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501061.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 3:02 am
Operator : JMB
Sample : 14D1084-07@TBA
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 07:17:54 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
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Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
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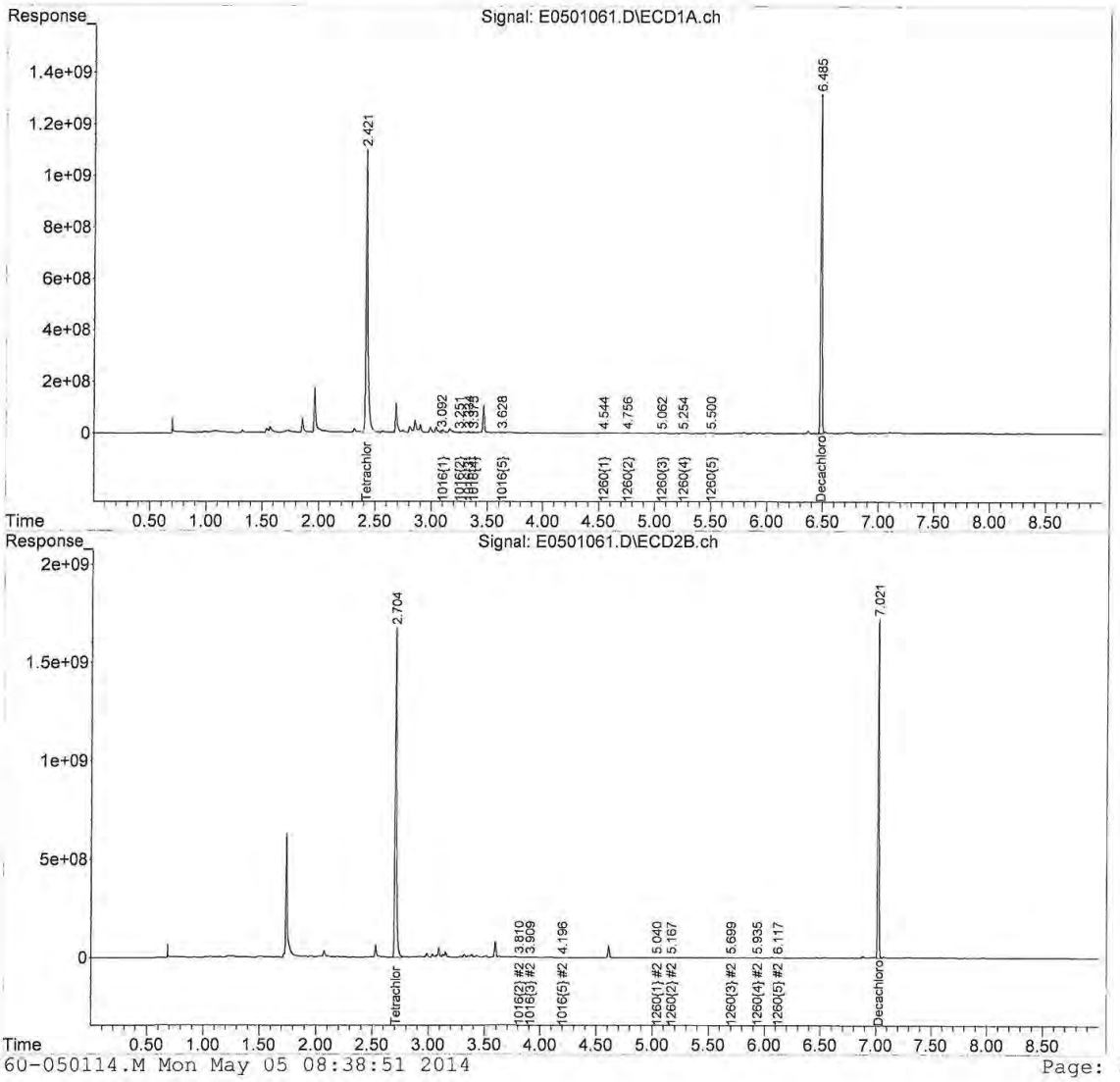

5-1260-050114.M Mon May 05 08:38:51 2014 Page: 2

Quantitation Report (Not Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 3:15 am
Operator : JMB
Sample : 14D1084-08@TBA
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 07:17:59 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
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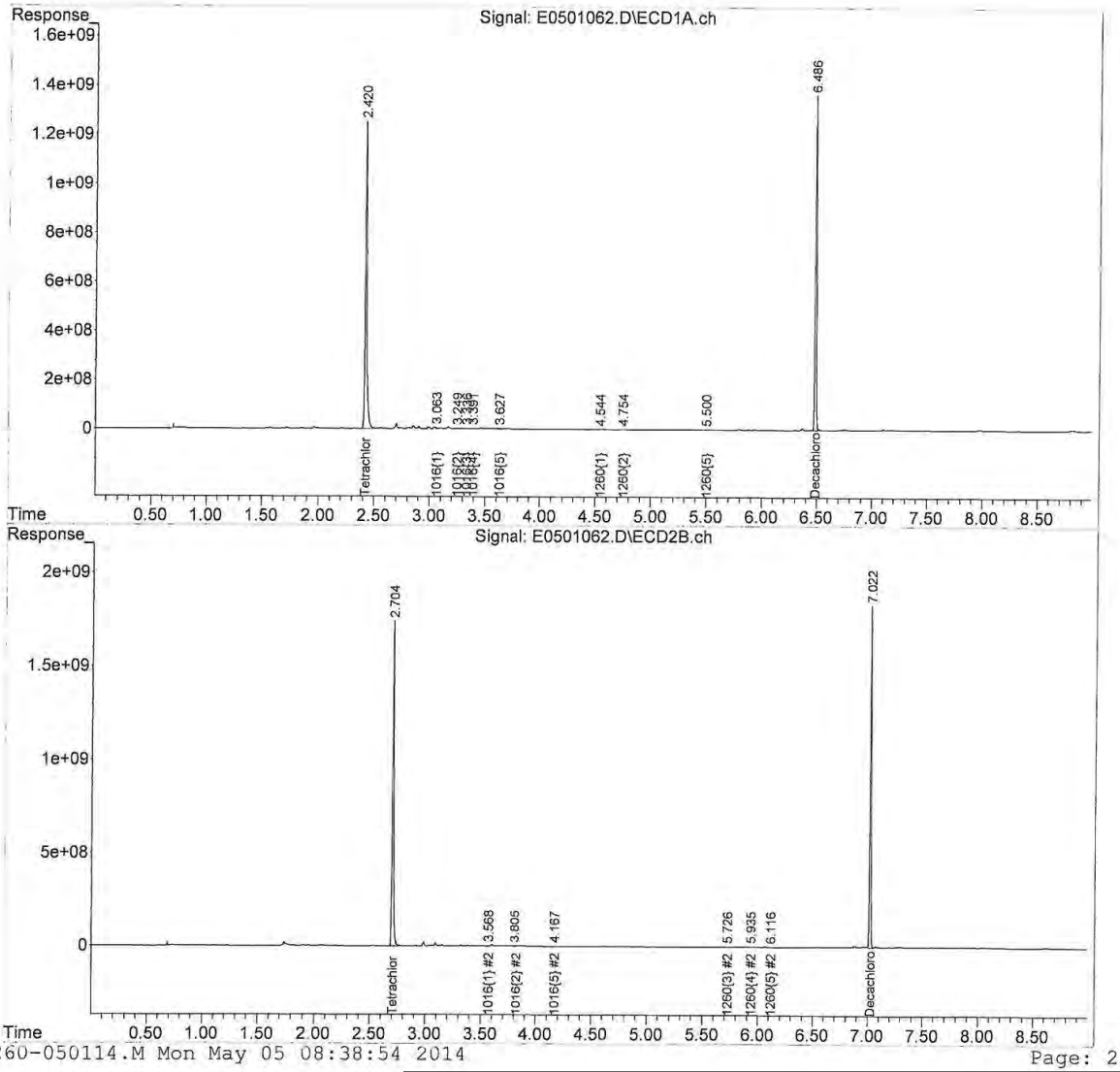
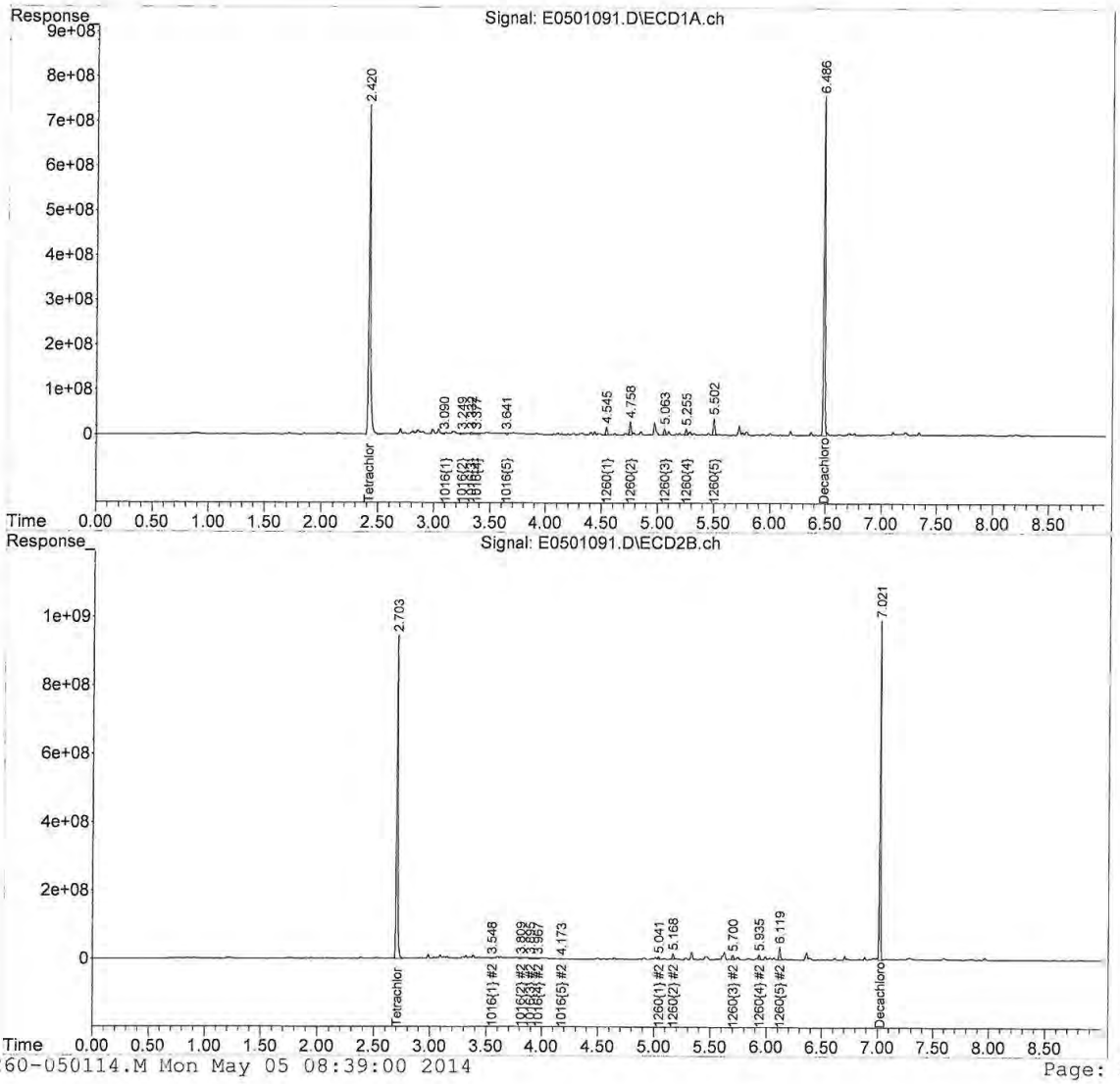


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501091.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 10:14 am
Operator : JMB
Sample : 14D1084-09@2X
Misc :
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 13:53:02 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

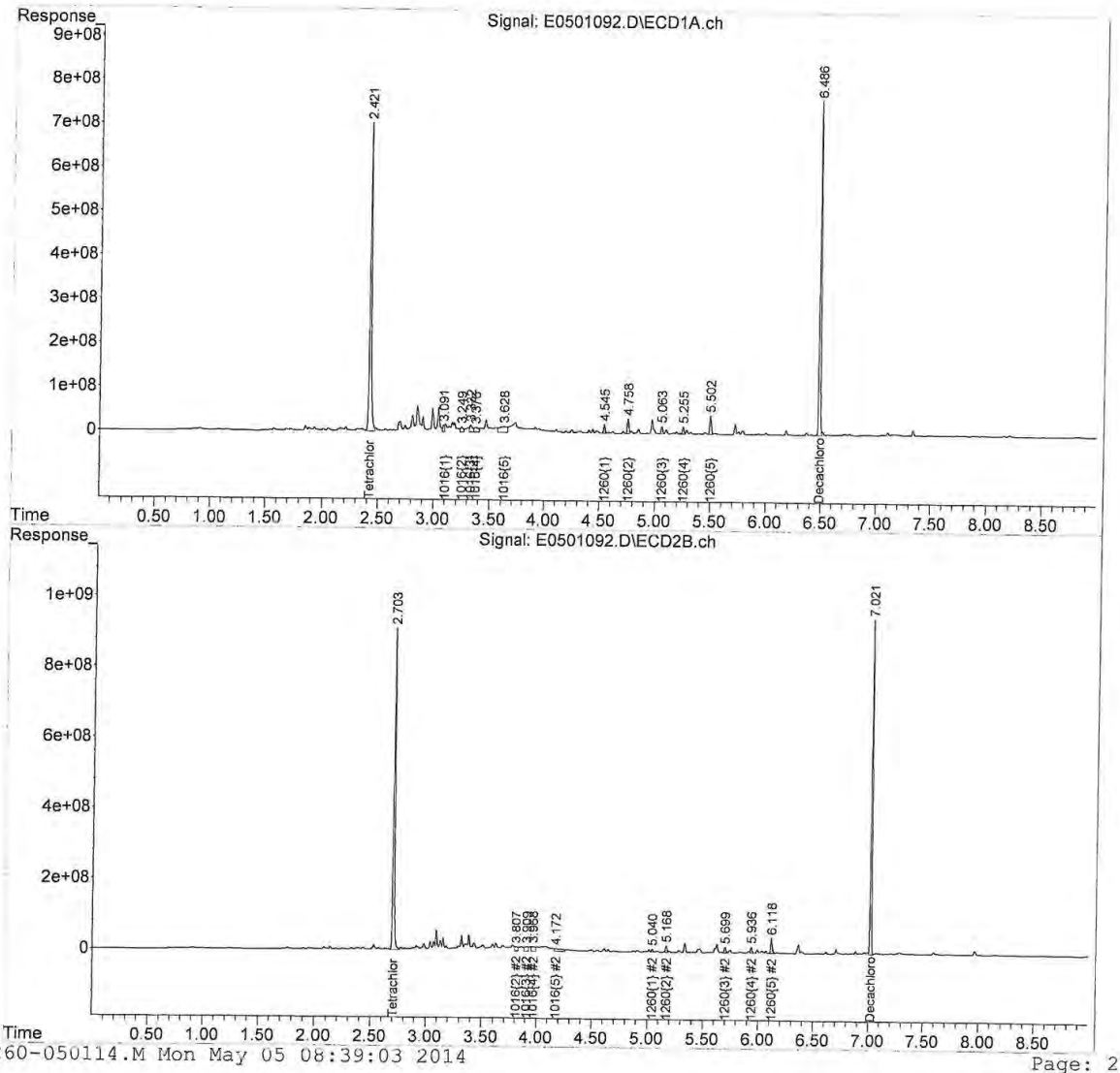


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050114A\
Data File : E0501092.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 May 2014 10:27 am
Operator : JMB
Sample : 14D1084-19@2X
Misc :
ALS Vial : 92 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 02 13:47:08 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

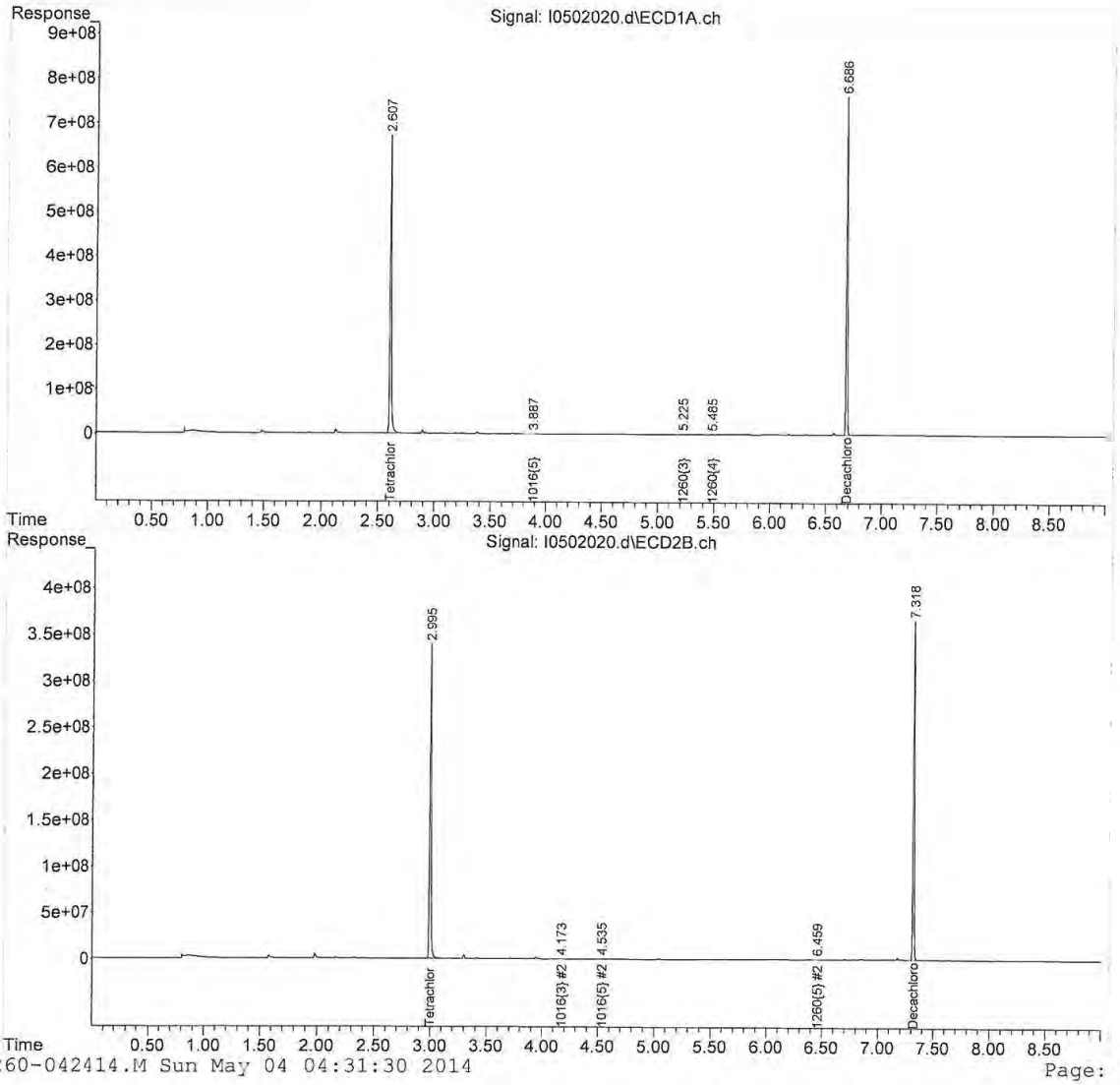


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\050214\
Data File : I0502020.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 9:36 am
Operator : JMB
Sample : 14D1084-20 Inst : ECD 9
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 04 04:31:29 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-042414.M
Quant Title : 1260/1016 04/17/14 02/25/14
QLast Update : Thu Apr 24 14:43:26 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



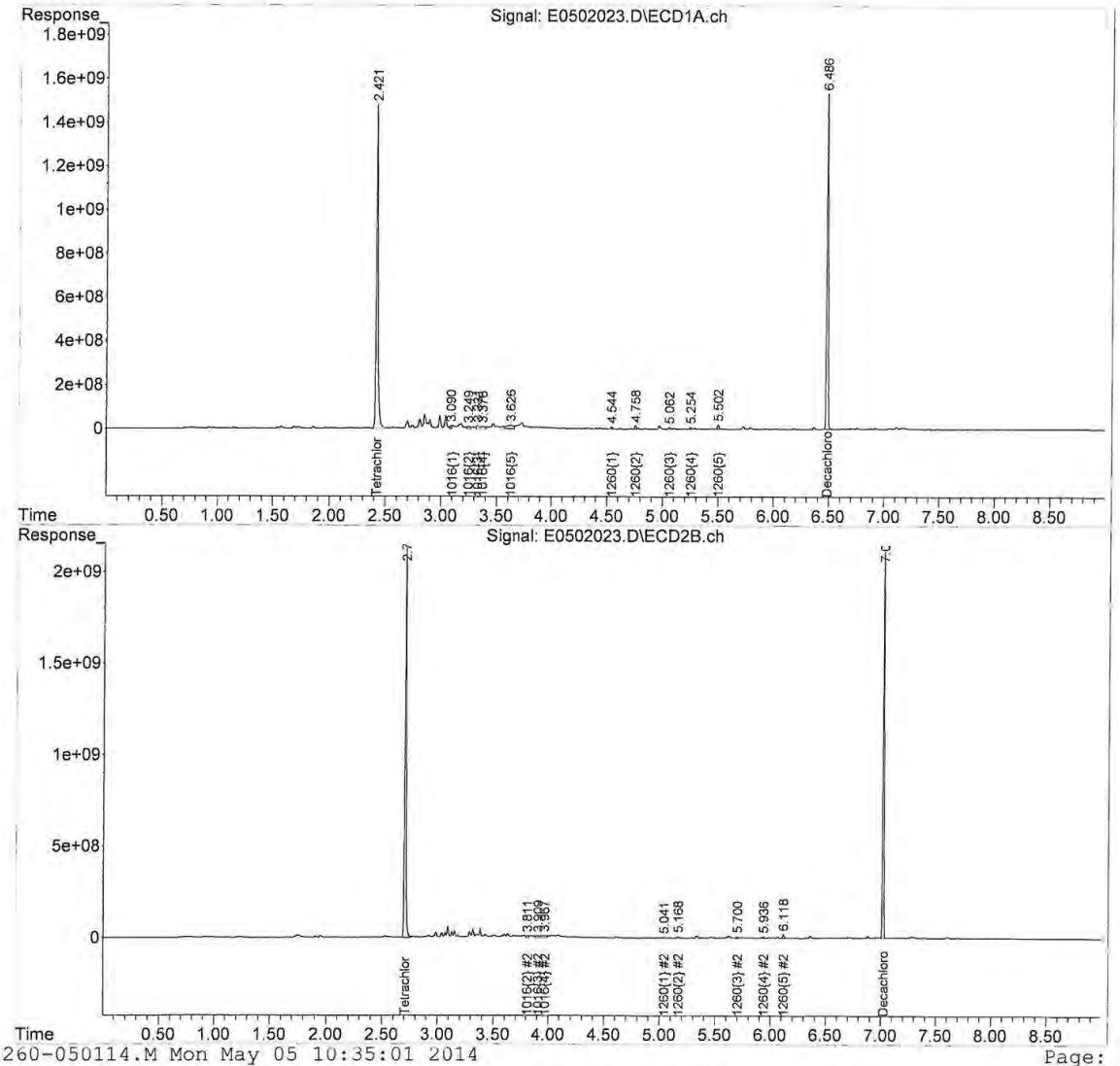
9-1260-042414.M Sun May 04 04:31:30 2014 Page: 2

Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050214\
Data File : E0502023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 5:21 am
Operator : JMB
Sample : 14D1084-10@TBA
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 05 09:05:25 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

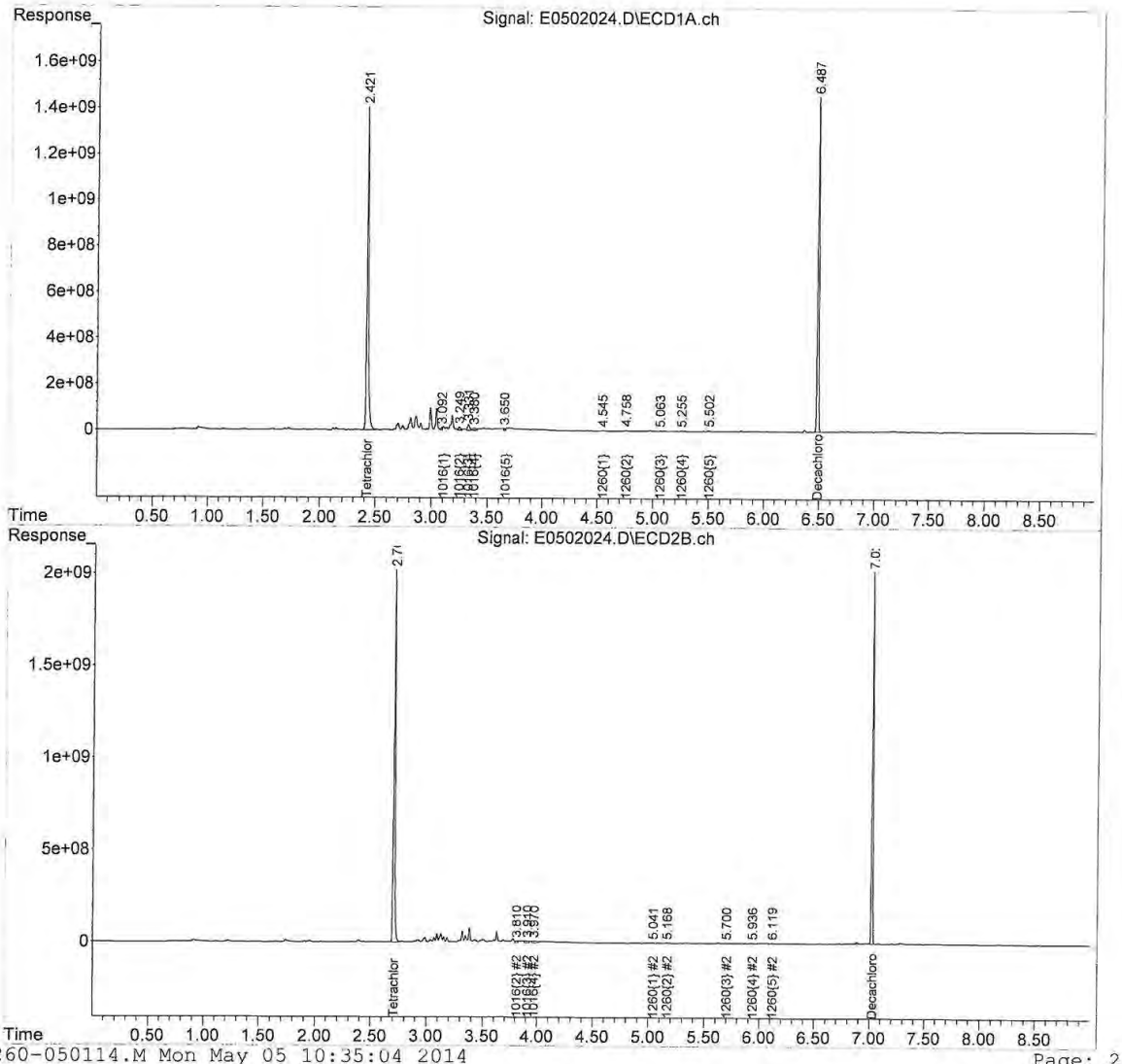


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050214\
Data File : E0502024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 5:33 am
Operator : JMB
Sample : 14D1084-11@TBA
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 05 09:07:41 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

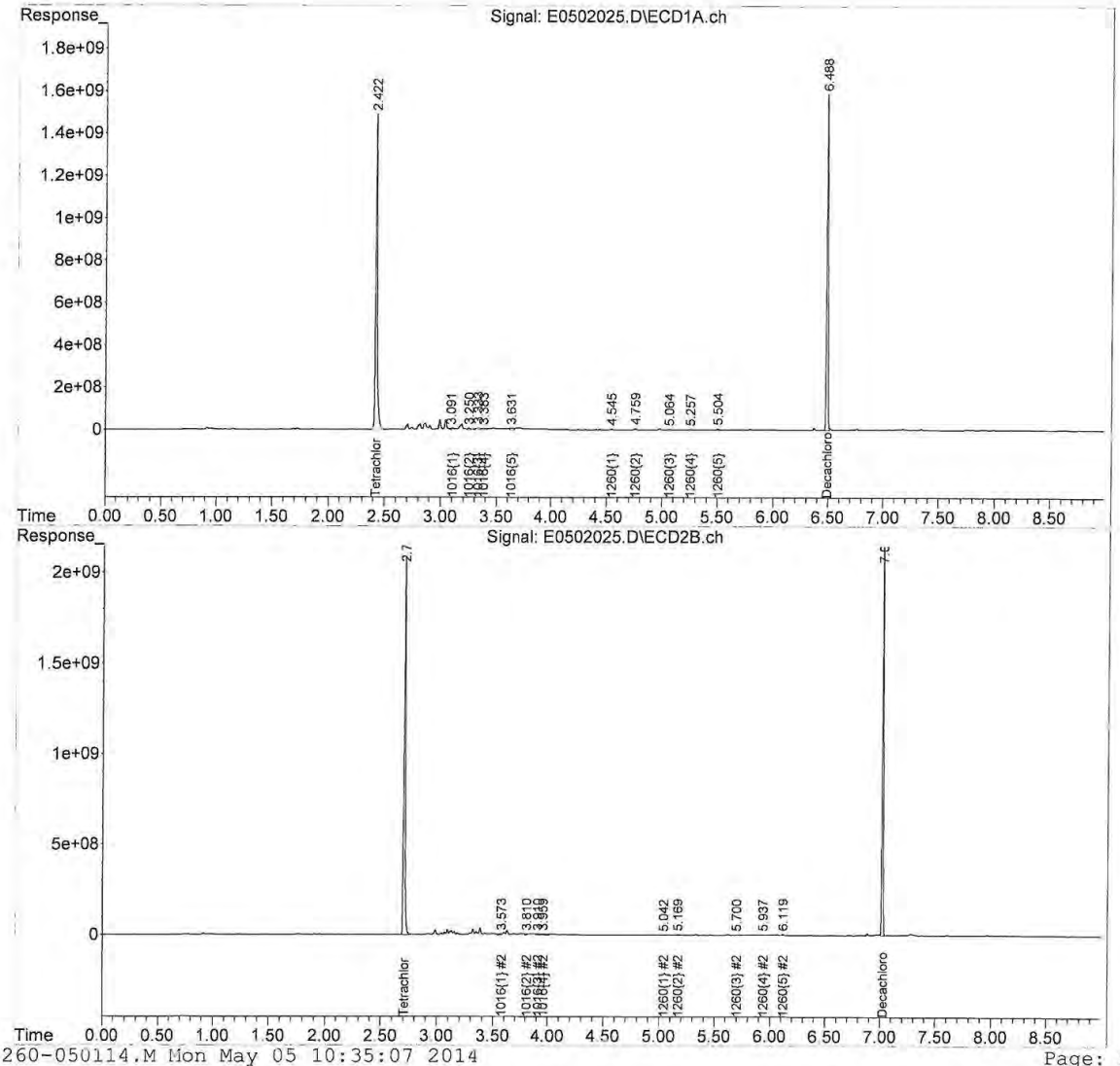


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050214\
Data File : E0502025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 5:46 am
Operator : JMB
Sample : 14D1084-12@TBA
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 05 09:15:52 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

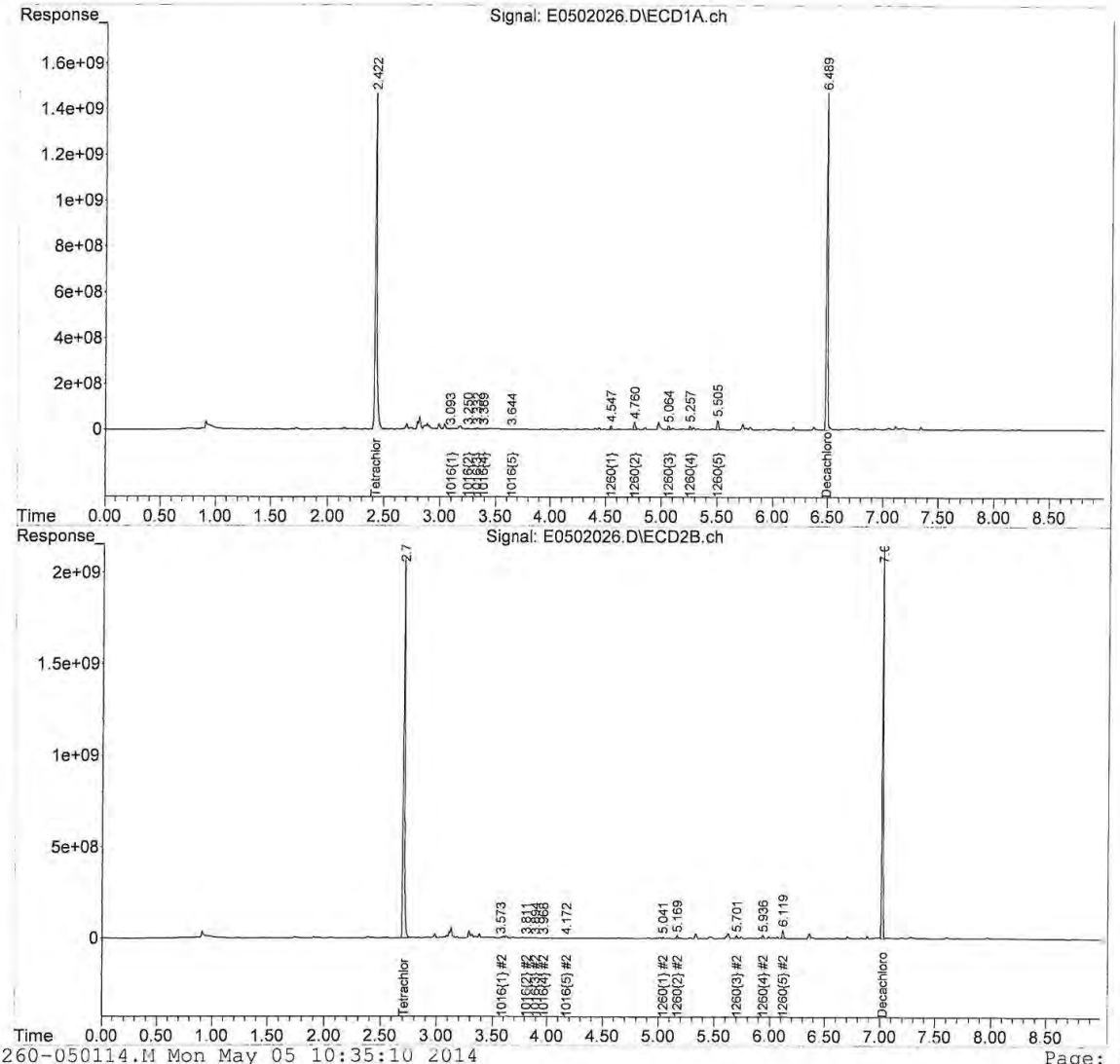


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050214\
Data File : E0502026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 5:59 am
Operator : JMB
Sample : 14D1084-13@TBA
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 05 09:16:38 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

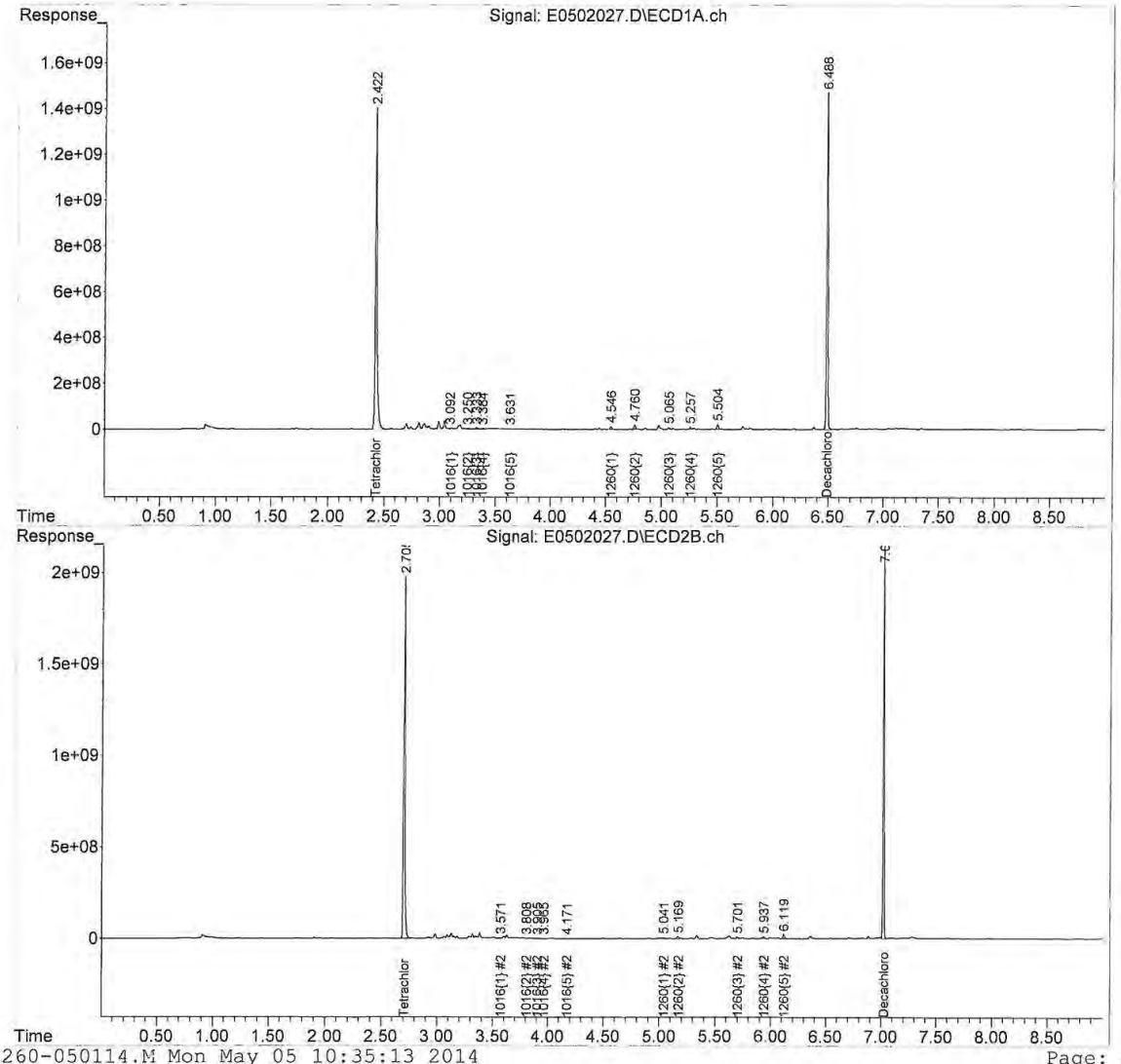


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050214\
Data File : E0502027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 6:12 am
Operator : JMB
Sample : 14D1084-14@TBA
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 05 09:21:12 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

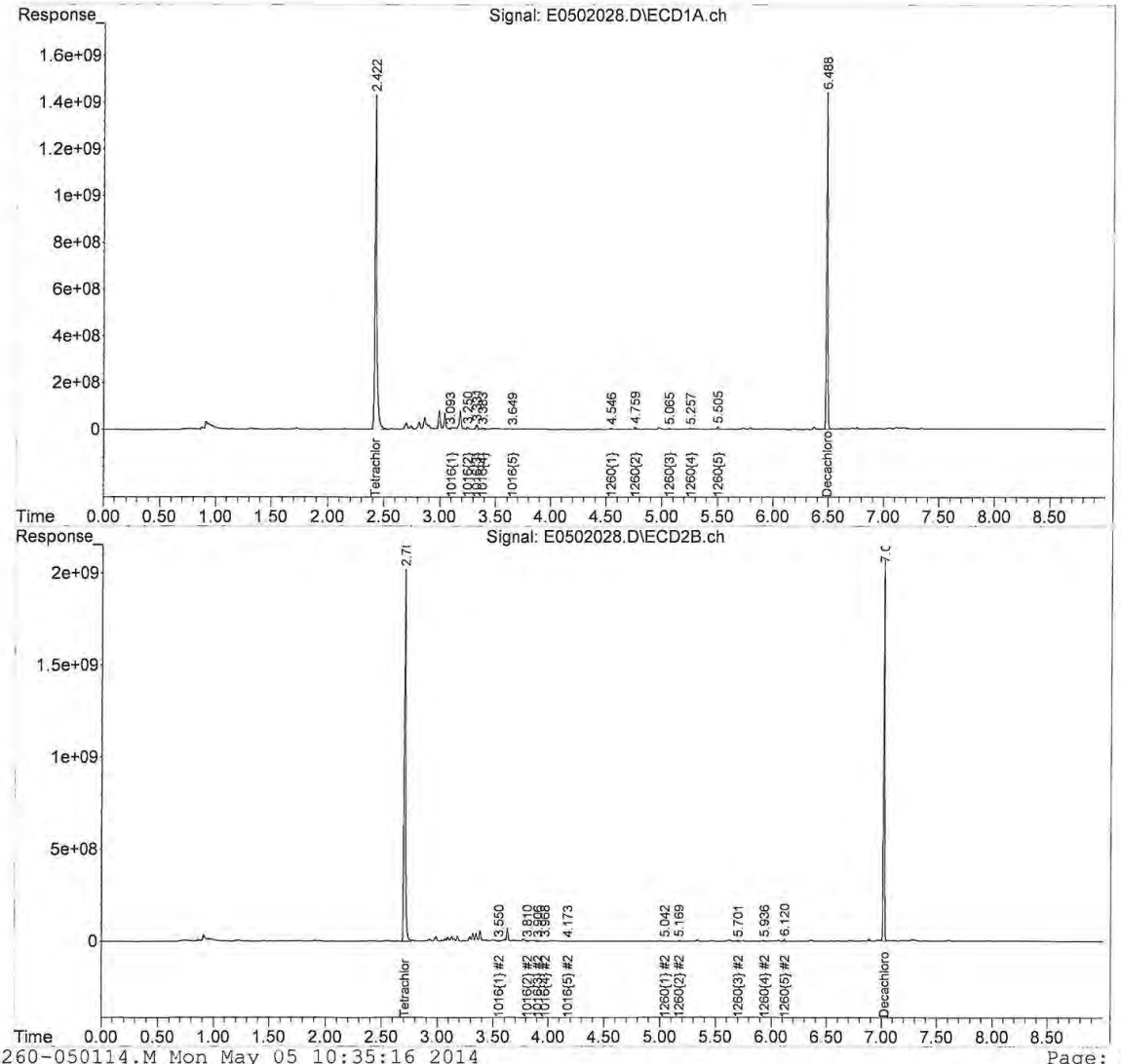


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050214\
Data File : E0502028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 6:25 am
Operator : JMB
Sample : 14D1084-15@TBA
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 05 09:25:55 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

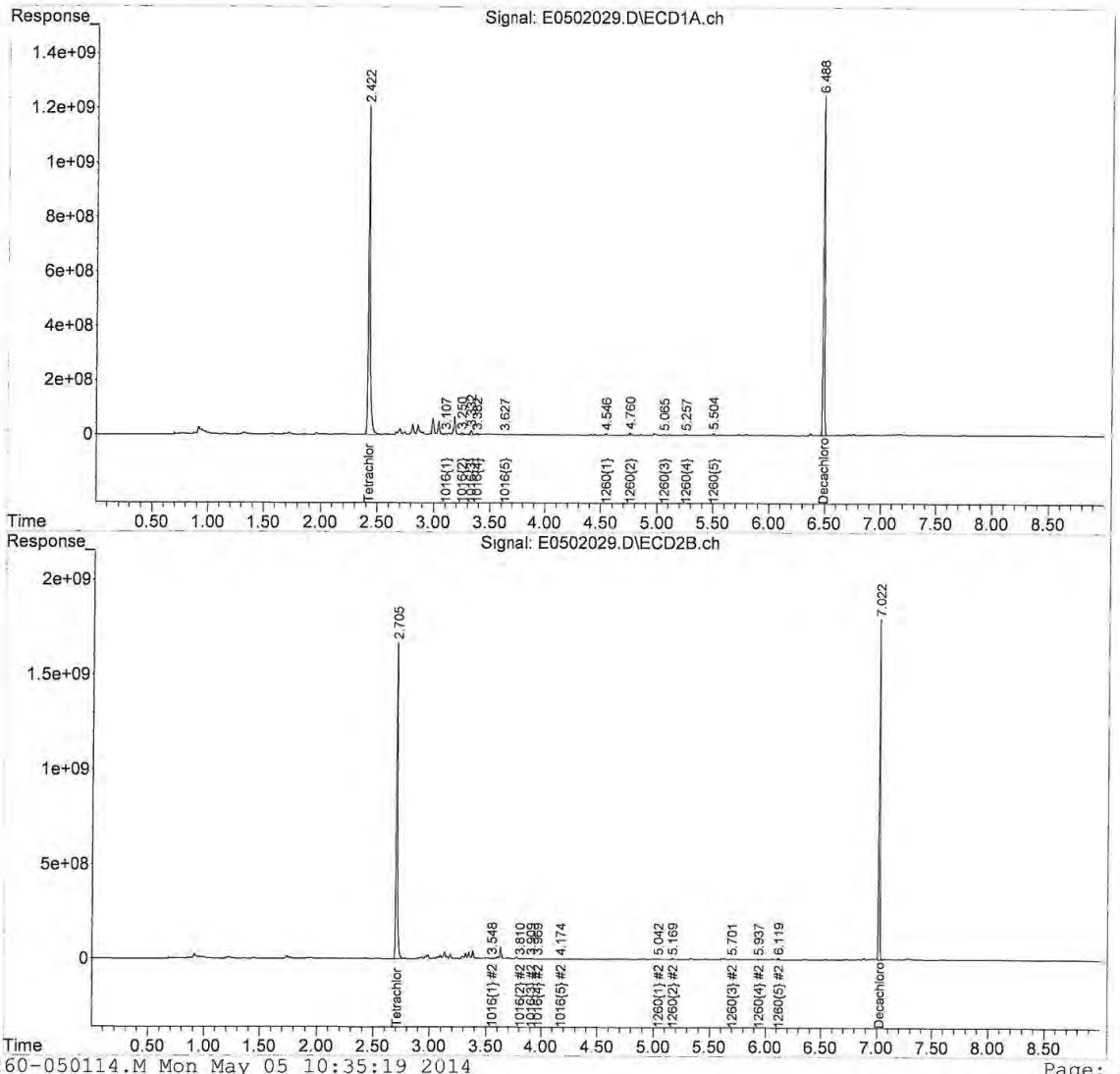


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050214\
Data File : E0502029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 6:37 am
Operator : JMB
Sample : 14D1084-16@TBA
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 05 09:26:59 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

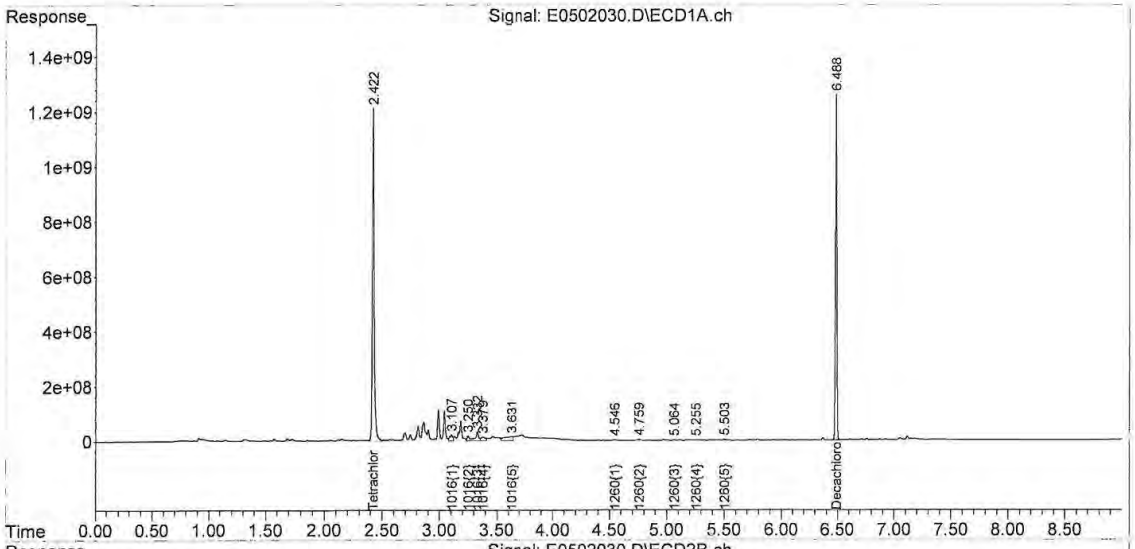


Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050214\
Data File : E0502030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 6:50 am
Operator : JMB
Sample : 14D1084-17@TBA
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 05 09:28:14 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

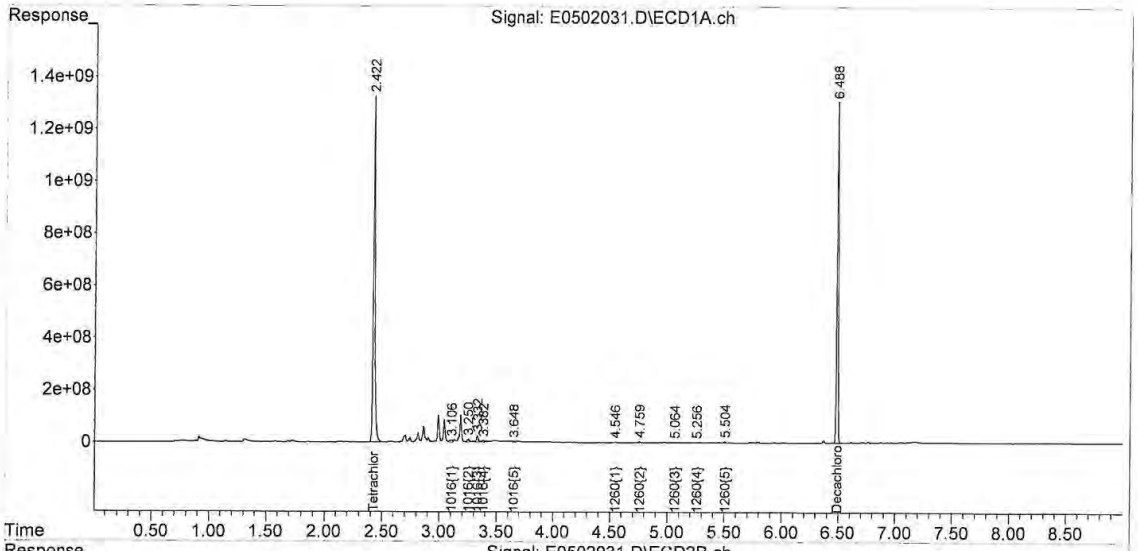


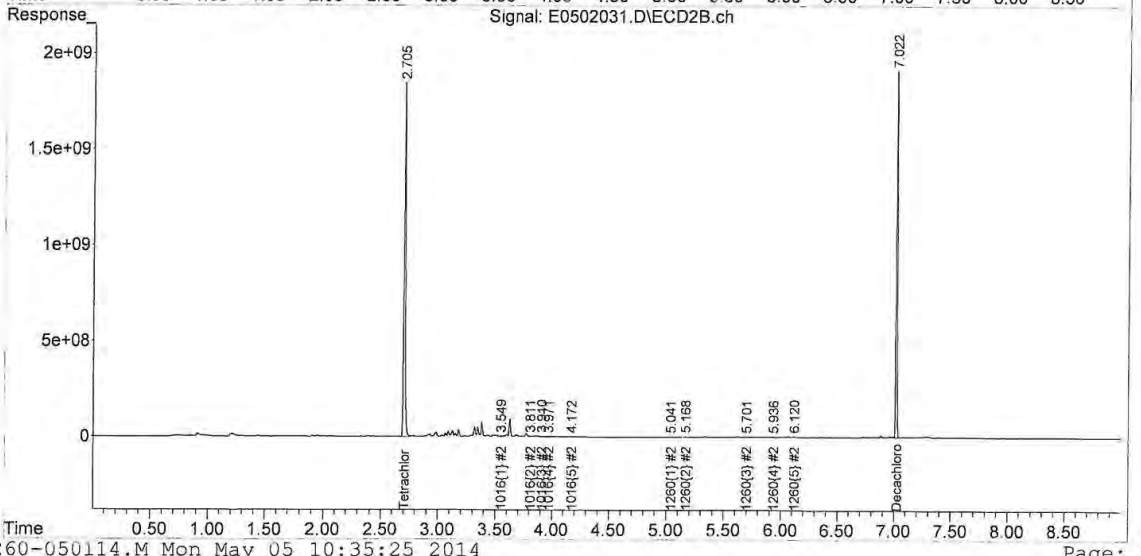
Quantitation Report (QT Reviewed)

Data Path : V:\DATA\050214\
Data File : E0502031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 3 May 2014 7:03 am
Operator : JMB
Sample : 14D1084-18@TBA
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 05 10:11:39 2014
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-050114.M
Quant Title : 1260/1016 04/21/14 02/25/14
QLast Update : Mon Apr 21 15:45:14 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond

Project Number: 14D1084

Laboratory Sample ID(s):
14D1084-01 thru 14D1084-21

Sample Date(s):
04/28/2014

List RCP Methods Used:
SW-846 8082A

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

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

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

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 05/05/14

Name of Laboratory: Con-Test Analytical Laboratory

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

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

May 13, 2014

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond
Client Job Number:
Project Number: 2110618A
Laboratory Work Order Number: 14E0224

Enclosed are results of analyses for samples received by the laboratory on May 6, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/13/2014

PURCHASE ORDER NUMBER: 02261127

PROJECT NUMBER: 2110618A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14E0224

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

PROJECT LOCATION: Berlin Settling Pond

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B99-3	14E0224-01	Soil		SM 2540G SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

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.



Michael A. Erickson
Laboratory Director

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0224

Date Received: 5/6/2014

Field Sample #: B99-3 | Sampled: 4/18/2014 09:42

Sample ID: 14E0224-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:34	JMB
Aroclor-1221 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:34	JMB
Aroclor-1232 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:34	JMB
Aroclor-1242 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:34	JMB
Aroclor-1248 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:34	JMB
Aroclor-1254 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:34	JMB
Aroclor-1260 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:34	JMB
Aroclor-1262 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:34	JMB
Aroclor-1268 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		5/8/14 14:34
Decachlorobiphenyl [2]	106	30-150		5/8/14 14:34
Tetrachloro-m-xylene [1]	86.0	30-150		5/8/14 14:34
Tetrachloro-m-xylene [2]	81.7	30-150		5/8/14 14:34

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0224

Date Received: 5/6/2014

Field Sample #: B99-3 | Sampled: 4/18/2014 09:42

Sample ID: 14E0224-01

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	85.0		% Wt	1		SM 2540G	5/7/14	5/8/14 8:39	MXG

con-test® ANALYTICAL LABORATORY
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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
14E0224-01 [B99-3]	B095281	05/07/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14E0224-01 [B99-3]	B095261	10.0	2.00	05/07/14

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B095261 - SW-846 3540C										
Blank (B095261-BLK1)				Prepared: 05/07/14 Analyzed: 05/08/14						
Aroclor-1016	ND	0.0040	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1221	ND	0.0040	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1232	ND	0.0040	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1242	ND	0.0040	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1248	ND	0.0040	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1254	ND	0.0040	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1260	ND	0.0040	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1262	ND	0.0040	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1268	ND	0.0040	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.0040	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.0493*		mg/Kg wet	0.0400		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.0518*		mg/Kg wet	0.0400		129	30-150			
Surrogate: Tetrachloro-m-xylene	*0.0476*		mg/Kg wet	0.0400		119	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0450*		mg/Kg wet	0.0400		113	30-150			
LCS (B095261-BS1)				Prepared: 05/07/14 Analyzed: 05/08/14						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		99.7	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		100	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Surrogate: Decachlorobiphenyl	*0.205*		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.189*		mg/Kg wet	0.200		94.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		94.1	30-150			
LCS Dup (B095261-BSD1)				Prepared: 05/07/14 Analyzed: 05/08/14						
Aroclor-1016	0.24	0.10	mg/Kg wet	0.200		122	40-140	16.4	30	
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140	5.92	30	
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		105	40-140	4.85	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		114	40-140	6.24	30	
Surrogate: Decachlorobiphenyl	*0.215*		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.222*		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.198*		mg/Kg wet	0.200		99.2	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

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

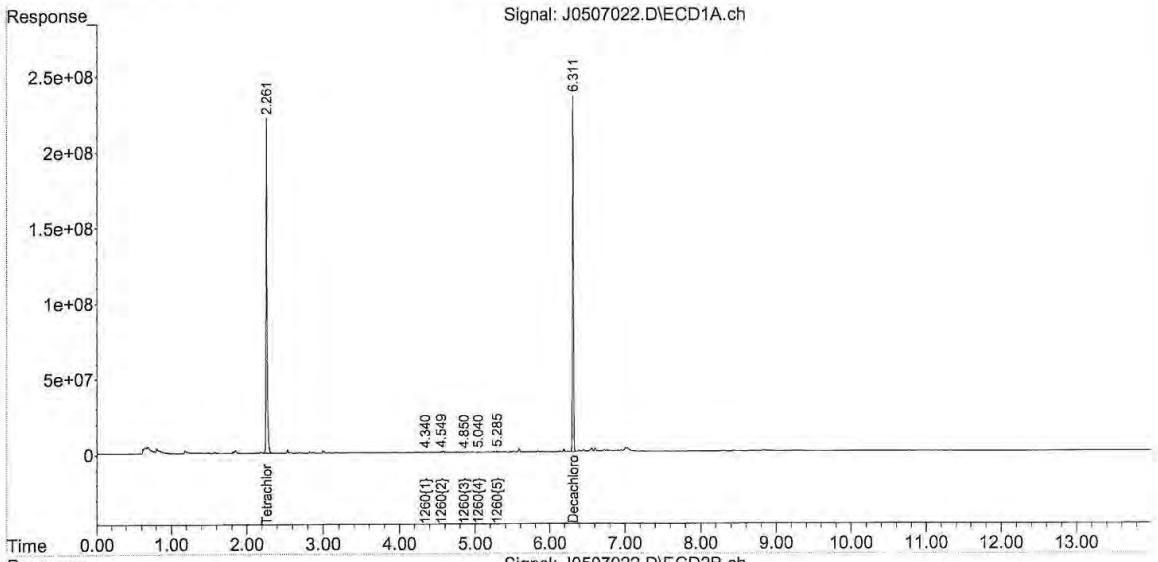
Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

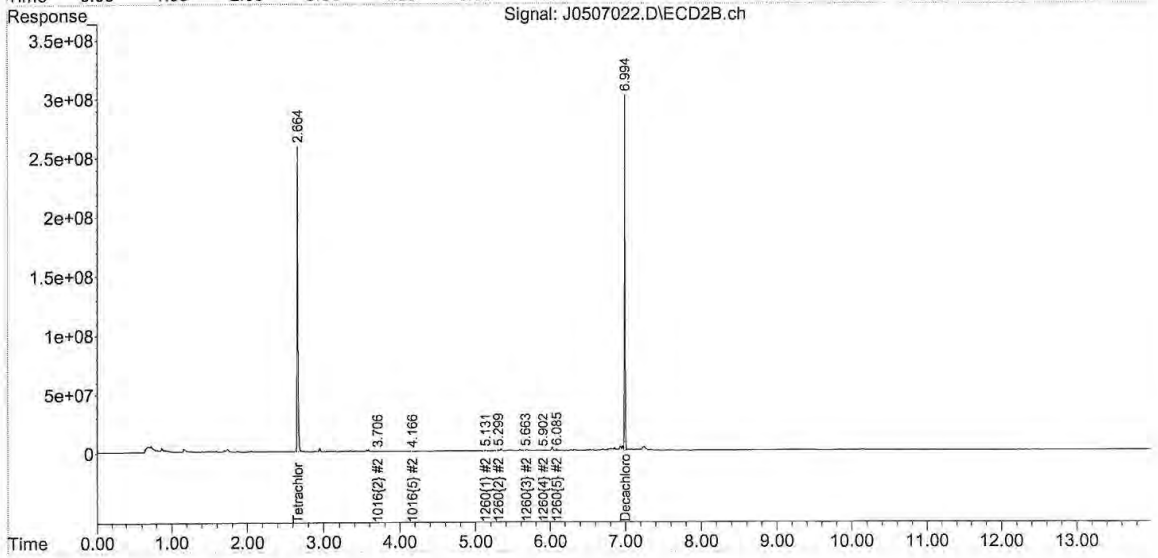
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\050714\
Data File : J0507022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2014 2:34 pm
Operator : JMB
Sample : 14E0224-01@TBA Inst : ECD10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 10 05:36:56 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-041714.M
Quant Title : 1260/1016 12/12/13 12/05/13
QLast Update : Thu Apr 17 12:40:02 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond

Project Number: 14E0224

Laboratory Sample ID(s):

14E0224-01

Sample Date(s):

04/18/2014

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 05/12/14

Name of Laboratory: Con-Test Analytical Laboratory

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

14E0224

CHAIN OF CUSTODY RECORD

Page 1 of 1

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Phone: 413-525-2332 Fax: 413-525-6405 Email: info@contestlabs.com www.contestlabs.com
39 Spruce Street East Longmeadow, MA 01028

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Rocky Hill, CT 06067 Project #: 860 513-1483 Client PO#: 02261127

Attention: Jeff Willson

Project Location: Berlin Settling Pond (Berlin, CT)

Sampled By:

DATA DELIVERY (check all that apply): ○ FAX ○ EMAIL ○ WEBSITE
Fax #: sorokca@nu.com
Email: willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes) ○ yes proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	"Matrix" Code	Conc Code	1	A													# of Containers / ** Preservation	***Container Code
14D0730-01	B99-3	4/18/14	0942		x	S	U		✓														
14D0730-02	B121-3	4/25/14	1024		x	S	U		✓														
14D0730-03	S5-3	4/28/14	1134		x	S	U		✓														
14D0730-04	S7-3	4/28/14	1044		x	S	U		✓														
	Use Extra Jar 14D0730-01 if possible																						

PCBs (Methods 8082)
Soxhlet Extraction (Method 3540C)
Hold Samples
ANALYSIS REQUESTED

Dissolved Metals: ○ Field Filtered ○ Lab to Filter

***Container 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= groundwater WW= wastewater DW= drinking water A = air S = soil/solid SL = sludge O = other

Comments:
Soxhlet extr. already completed. Note det. limit rqmts. for S5-3 & S7-3

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

Relinquished by: (signature) Jeff Willson Date/Time: 5/6/14 1545
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time: 1600
Received by: (signature) Date/Time:

Turnaround †† ☐ 7-Day ☐ 10-Day ◉ Other 5DAY RUSH †
☐ †24-Hr ☐ †48-Hr ☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: Det. Limit for S5-3 & S7-3 must be 0.03 mg/kg

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

NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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CHAIN OF CUSTODY RECORD

14D0730

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East Longmeadow, MA 01028

Page 1 of 2

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473 Project #: 860 513-1483

Address: 273 Dividend Rd Rocky Hill, CT 06067 Client PO#: 02261127

Attention: Jeff Willson

Project Location: Berlin Setting Pond (Berlin, CT)

Sampled By: J. Willson / J. Sirotnak

DATA DELIVERY (check all that apply): ○ FAX ○ EMAIL ○ WEBSITE

Fax #: sorokca@nu.com

Email: willsonj@wseinc.com

Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes) ○ yes _____ proposal date

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Collection Beginning Date/Time | Collection Ending Date/Time | Composite | Grab | *Matrix Code | Conc Code | A | 1 | | |

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CHAIN OF CUSTODY RECORD

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Page 2 of 2

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473 Project # 860 513-1483

Address: 273 Dividend Rd Rocky Hill, CT 06067 Client PO# 02261127

Attention: Jeff Willson

Project Location: Berlin Settling Pond (Berlin, CT)

Sampled By: J. Willson / M. Stefanek

DATA DELIVERY (check all that apply): ○ FAX ○ EMAIL ○ WEBSITE
Fax #: sorokca@nu.com
Email: willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes) ○ yes ____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Cont. Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	**Preservation	***Container Code
11	B11G-3	4/8/14	1430		X	S	U		X	X	1		
12	↓ -4	↓	1432										
13	B108-3		1506										
14		-4	1508										
15	↓ -5	↓	1510		↓	↓	↓		↓	↓			
16	Dup-101	↓	—										

Comments: Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	4/9/14 1655	[signature]	4/9/14 1705	[signature]	4/8/14 17:25	[signature]	4/9/14 1705

Turnaround †† ☐ 7-Day ☐ 10-Day ☒ RUSH † Other 5 DAY
† Require lab approval ☐ †24-Hr ☐ †48-Hr ☐ †72-Hr ☐ †4-Day Other: ____

Detection Limit Requirements
Massachusetts: ____
Connecticut: ____

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

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

Dissolved Metals: ○ Field Filtered ○ Lab to Filter

**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 ____

NELAC & AIHA Certified WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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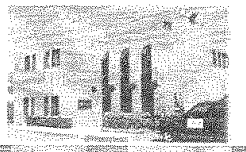

Sample Receipt Checklist

CLIENT NAME: Northeast Utilities RECEIVED BY: RLF DATE: 4/18/14

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 3.5°C
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	10
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		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Doc# 277
Rev. 4 August 2013

Page 2 of 2

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) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
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 requsted 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	

Who notified of False statements? Date/Time:

Doc #277 Rev. 4 August 2013 Log-In Technician Initials: Date/Time:

RLF 4/18/14 1755

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May 13, 2014

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond
Client Job Number:
Project Number: 2110618A
Laboratory Work Order Number: 14E0225

Enclosed are results of analyses for samples received by the laboratory on May 6, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/13/2014

PURCHASE ORDER NUMBER: 02261127

PROJECT NUMBER: 2110618A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14E0225

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

PROJECT LOCATION: Berlin Settling Pond

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B121-3	14E0225-01	Soil		SM 2540G SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

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.



Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0225

Date Received: 5/6/2014

Field Sample #: B121-3 | Sampled: 4/25/2014 10:24

Sample ID: 14E0225-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:51	JMB
Aroclor-1221 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:51	JMB
Aroclor-1232 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:51	JMB
Aroclor-1242 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:51	JMB
Aroclor-1248 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:51	JMB
Aroclor-1254 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:51	JMB
Aroclor-1260 [2]	0.044	0.0045	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:51	JMB
Aroclor-1262 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:51	JMB
Aroclor-1268 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	5/7/14	5/8/14 14:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.3	30-150		5/8/14 14:51
Decachlorobiphenyl [2]	102	30-150		5/8/14 14:51
Tetrachloro-m-xylene [1]	86.1	30-150		5/8/14 14:51
Tetrachloro-m-xylene [2]	82.5	30-150		5/8/14 14:51

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0225

Date Received: 5/6/2014

Field Sample #: B121-3 | Sampled: 4/25/2014 10:24

Sample ID: 14E0225-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	5/7/14	5/8/14 8:39	MXG

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
14E0225-01 [B121-3]	B095281	05/07/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14E0225-01 [B121-3]	B095261	10.1	2.00	05/07/14

con-test® ANALYTICAL LABORATORY
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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B095261 - SW-846 3540C										
Blank (B095261-BLK1)				Prepared: 05/07/14 Analyzed: 05/08/14						
Aroclor-1016	ND	0.0040	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1221	ND	0.0040	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1232	ND	0.0040	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1242	ND	0.0040	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1248	ND	0.0040	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1254	ND	0.0040	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1260	ND	0.0040	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1262	ND	0.0040	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1268	ND	0.0040	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.0040	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.0493*		mg/Kg wet	0.0400		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.0518*		mg/Kg wet	0.0400		129	30-150			
Surrogate: Tetrachloro-m-xylene	*0.0476*		mg/Kg wet	0.0400		119	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0450*		mg/Kg wet	0.0400		113	30-150			
LCS (B095261-BS1)				Prepared: 05/07/14 Analyzed: 05/08/14						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		99.7	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		100	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Surrogate: Decachlorobiphenyl	*0.205*		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.189*		mg/Kg wet	0.200		94.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		94.1	30-150			
LCS Dup (B095261-BSD1)				Prepared: 05/07/14 Analyzed: 05/08/14						
Aroclor-1016	0.24	0.10	mg/Kg wet	0.200		122	40-140	16.4	30	
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140	5.92	30	
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		105	40-140	4.85	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		114	40-140	6.24	30	
Surrogate: Decachlorobiphenyl	*0.215*		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.222*		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.198*		mg/Kg wet	0.200		99.2	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,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	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473 Project # 860 513-1483

Address: 273 Dividend Rd
Rocky Hill, CT 06067

Client PO# 02261127

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE

Attention: Jeff Willson

Project Location: Berlin Settling Pond (Berlin, CT)

Fax #

Email: sorokca@nu.com
willsonj@wseinc.com

Sampled By:

Format: ◉ PDF ◉ EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Matrix Composite	Matrix Grab	Matrix Conc Code	A	1	# of Containers
~~14D0736-01~~	B99-3	4/18/14	0942	x	s	U	✓	✓	
14D0183-13	B121-3	4/25/14	1024	x	s	U	✓	✓	
14D0183-04	S5-3	4/28/14	1134	x	s	U	✓	✓	
	S7-3	4/28/14	1044	x	s	U	✓	✓	

-01

ANALYSIS REQUESTED	** Preservation	***Container Code
PCBs (Methods 8082)		
Soxhlet Extraction (Method 3540C)		
Hold Samples		
Dissolved Metals O Field Filtered O Lab to Filter		

***Cont. Codes:
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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL= sludge
O = other

Comments:

Soxhlet extr. already completed. Note det. limit rqmts. for S5-3 & S7-3

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

Relinquished by: (signature)	Date/Time: 5/6/14 1548	Turnaround ††	Detection Limit Requirements
Received by: (signature)	Date/Time: 16:00	☐ 7-Day ☐ 10-Day ☐ Other 3DAY RUSH †	Massachusetts:
Relinquished by: (signature)	Date/Time:		Connecticut: Det. Limit for S5-3 & S7-3 must be 0.03 mg/kg
Received by: (signature)	Date/Time:	☐ †24-Hr ☐ †48-Hr ☐ †72-Hr ☐ †4-Day	Other:

† Require lab approval

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

NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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CHAIN OF CUSTODY RECORD

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Page 1 of 2

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Project #: 860 513-1483

Rocky Hill, CT 06067 Client PO#: 02261127

Attention: Jeff Willson

Project Location: Berlin Settling Pond (Berlin, CT)

Sampled By:

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE
Fax #: sorokca@nu.com
Email: willsonj@wseinc.com

Format: ⊙ PDF ⊙ EXCEL O GIS O OTHER

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

O "Enhanced Data Package"

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Collection Beginning Date/Time | Collection Ending Date/Time | Composite | Grab | Matrix Code | Conc Code | A | | |

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CHAIN OF CUSTODY RECORD

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14D107

Page 2 of 7

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473 Project # 860 513-1483

Address: 273 Dividend Rd Rocky Hill, CT 06067

Client PO# 02261127

DATA DELIVERY (check all that apply): ○ FAX ○ EMAIL ○ WEBSITE

Attention: Jeff Willson Fax #: sorokca@nu.com

Project Location: Berlin Settling Pond (Berlin, CT) Email: willsonj@wseinc.com

Sampled By:

Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes) ○ yes ____ proposal date

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Collection Beginning Date/Time | Collection Ending Date/Time | Composite | Grab | *Matrix Code | Conc Code | A | | |

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CHAIN OF CUSTODY RECORD

14D1017

Page 3 of 7

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd, Rocky Hill, CT 06067

Project #: 860 513-1483

Client PO#: 02261127

Attention: Jeff Willson

DATA DELIVERY (check all that apply): ○ FAX ○ EMAIL ○ WEBSITE

Project Location: Berlin Settling Pond (Berlin, CT)

Fax #: sorokca@nu.com

Sampled By:

Email: willsonj@wseinc.com

Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER

Project Proposal Provided? (for billing purposes) ○ yes ____ proposal date

○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	*** Container Code
21	B116-1	4/25/14	1114	X	G	U		V	V	V	1		
22	B116-2		1116					V	V	V			
23	B116-3		1118					V	V	V			
24	B116-4		1120					V	V	V			
25	B116-5		1122					V	V	V			
26	B114-1		1130					V	V	V			
27	B114-2		1132					V	V	V			
28	B114-3		1134					V	V	V			
29	B114-4		1136					V	V	V			
30	B114-5	↓	1138	↓	↓	↓	↓	V	V	V			

Comments:

Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
	1555
Received by: (signature)	Date/Time:
	1933
Relinquished by: (signature)	Date/Time:
	1945
Received by: (signature)	Date/Time:
	1945

Turnaround ††
- ☐ 7-Day
- ☐ 10-Day
- ☒ Other 5 DAY
- RUSH †
- ☐ †24-Hr ☐ †48-Hr
- ☐ †72-Hr ☐ †4-Day
- † 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 # ____

Dissolved Metals
- ○ Field Filtered
- ○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other ____

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WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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CHAIN OF CUSTODY RECORD

14D1017

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Page 4 of 7

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473 Project #: 860 513-1483

Address: 273 Dividend Rd, Rocky Hill, CT 06067 Client PO#: 02261127

Attention: Jeff Willson

DATA DELIVERY (check all that apply): ○ FAX ○ EMAIL ○ WEBSITE

Project Location: Berlin Settling Pond (Berlin, CT) Fax #: sorokca@nu.com

Sampled By: Will Strothke Email: willsonj@wseinc.com

Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes) ○ yes ____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	"Matrix" Code	Conc Code	A	# of Containers
31	B115-1	4/25/14	1210		X	S	U		1
32	B115-2		1212						
33	B115-3		1214						
34	B115-4		1216						
35	B115-5		1218						
36	B117-1		1230						
37	B117-2		1232						
38	B117-3		1234						
39	B117-4		1236						
40	B117-5	↓	1238		X	↓	↓		

PCBs (Methods 8082)

Soxhlet Extraction (Method 3540C)

Hold Samples

ANALYSIS REQUESTED

Dissolved Metals

	1	** Preservation	*** Container Code

○ Field Filtered
○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other ____

Comments:

Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:	Turnaround ††	Detection Limit Requirements
4/25/14	1555	☐ 7-Day	Massachusetts:
Received by: (signature)	Date/Time:	☐ 10-Day	
Paul Pacquet	1555	◉ Other 5 DAY RUSH †	Connecticut:
Relinquished by: (signature)	Date/Time:	☐ †24-Hr ☐ †48-Hr	
Paul Pacquet 4/28/14	1745	☐ †72-Hr ☐ †4-Day	
Received by: (signature)	Date/Time:	† Require lab approval	Other:
Rebecca Hurst 4/28/14	1745		

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

NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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CHAIN OF CUSTODY RECORD

14D1017

39 Spruce Street East Longmeadow, MA 01028

Page 5 of 7

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Project #: 860 513-1483

Rocky Hill, CT 06067 Client PO#: 02261127

Attention: Jeff Willson DATA DELIVERY (check all that apply) ○ FAX ○ EMAIL ○ WEBSITE

Project Location: Berlin Settling Pond (Berlin, CT) Fax #: sorokca@nu.com

Sampled By: Will Schaefer Email: wilsonj@wseinc.com

Project Proposal Provided? (for billing purposes) ○ yes _____ proposal date

Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	ANALYSIS REQUESTED: PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	**Preservation	***Container Code
41	B119-1	4/25/14	1300		X	S	U	V	V		1		A
42	B119-2		1302					V	V				
43	B119-3		1304					V	V				
44	B119-4		1306					V	V				
45	B119-5		1308					V	V				
46	B113-1		1400					V	V				
47	B113-2		1402					V	V				
48	B113-3		1404					V	V				
49	B113-4		1406					V	V				
50	B113-5	V	1408		V	V	V	V	V		V		V

Dissolved Metals
○ Field Filtered
○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:

Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature) — Date/Time: 4/25/14 1555
Received by: (signature) — Date/Time: 4/25/14 1555
Relinquished by: (signature) — Date/Time: 4/25/14 1715
Received by: (signature) — Date/Time: 4/25/14 1745

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ RUSH †
Other 5 DAY
† 24-Hr † 48-Hr † 72-Hr † 4-Day
† 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 IN ACCORDANCE WITH THE NELAP — nelac
ACCREDITED Laboratory AIHA
NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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CHAIN OF CUSTODY RECORD

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Page 6 of 7

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Rocky Hill, CT 06067 Project #: 860 513-1483 Client PO#: 02261127

Attention: Jeff Willson

Project Location: Berlin Settling Pond (Berlin, CT)

Sampled By: Willson

DATA DELIVERY (check all that apply): ○ FAX ○ EMAIL ○ WEBSITE

Fax #: Email: sorokca@nu.com willsonj@wseinc.com

Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER

Project Proposal Provided? (for billing purposes) ○ yes proposal # proposal date

○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	"Matrix" Code	Conc Code	A PCBs (Methods 8082) / Soxhlet Extraction (Method 3540C)	Hold Samples	ANALYSIS REQUESTED	Dissolved Metals ○ Field Filtered ○ Lab to Filter	# of Containers	** Preservation	***Container Code
51	B112-1	4/23/14	1430		X	S	U					1		
52	B112-2		1432											
53	B112-3		1434											
54	B112-4		1436											
55	B112-5		1438											
56	B111-1		1500											
57	B111-2		1502											
58	B114-3		1504											
59	B111-4		1506											
60	B111-5	↓	1508	↓	↓	↓	↓	↓	↓	↓		↓		

Comments: Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature) 4/25/14 Date/Time: 1555

Received by: (signature) 4/25/14 Date/Time: 1555

Relinquished by: (signature) 4/25/14 Date/Time: 17:45

Received by: (signature) 4/25/14 Date/Time: 1745

Turnaround †† ☐ 7-Day ☐ 10-Day ☒ Other 5 day RUSH †
☐ †24-Hr ☐ †48-Hr ☐ †72-Hr ☐ †4-Day
† 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 # _____

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

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

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

NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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Fax: 413-525-6405
Email: info@contestlabs.com
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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

14D107

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Project #: 860 513-1483

Rocky Hill, CT 06067 Client PO#: 02261127

Attention: Jeff Wilson

DATA DELIVERY (check all that apply): ○ FAX ○ EMAIL ○ WEBSITE

Project Location: Berlin Settling Pond (Berlin, CT) Fax #: sorokca@nu.com

Sampled By: WELL SHRIMP Email: wilsonj@wseinc.com

Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER

Project Proposal Provided? (for billing purposes) ○ yes ____ proposal date

○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	A 1	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	ANALYSIS REQUESTED	Dissolved Metals ○ Field Filtered ○ Lab to Filter	# of Containers	** Preservation	***Container Code
01	B-109-1	4/25/14	1530	X	S	U			V	V						
02	B109-2		1532						V	V						
03	B109-3		1534						V	V						
04	B109-4		1536						V	V						
05	B109-5		1538						V	V						
06	Dup-103		—						V	V						
07	Dup-104		—						V	V						
08	Dup-105		—						V	V						
09	Dup-106		—	↓	↓	↓			V	V						

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

Comments:

Note soxhlet extraction rqmts. for samples and TAT.

Relinquished by: (signature) Date/Time: 4/25/14 1655

Received by: (signature) Date/Time: 4/25/14 1655

Relinquished by: (signature) Date/Time: 4/25/14 1745

Received by: (signature) Date/Time: 4/25/14 1745

Turnaround †† ☐ 7-Day ☐ 10-Day ◉ Other 5 DAY RUSH† ☐ †24-Hr ☐ †48-Hr ☐ †72-Hr ☐ †4-Day

† 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 # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

***Container Code

**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 _____

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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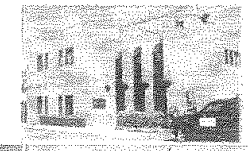


Sample Receipt Checklist

CLIENT NAME: Northeast Utilities RECEIVED BY: RLF DATE: 4/25/14

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 6.2°C
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	69
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		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Doc# 277
Rev. 4 August 2013

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) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
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 requsted 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	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** **Date/Time:**

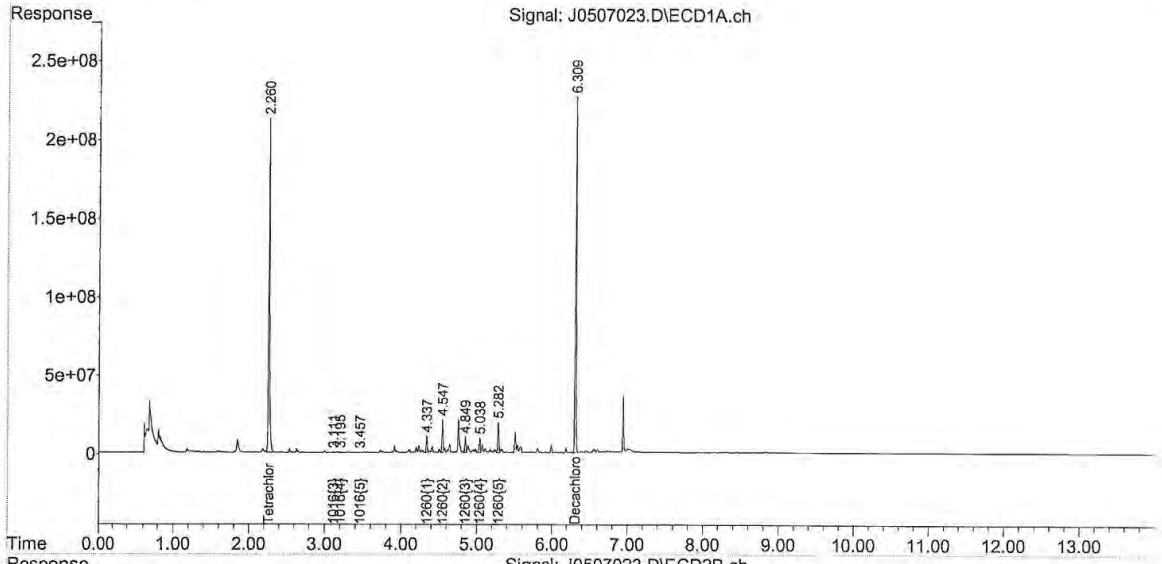
RLF 4/25/14 1745

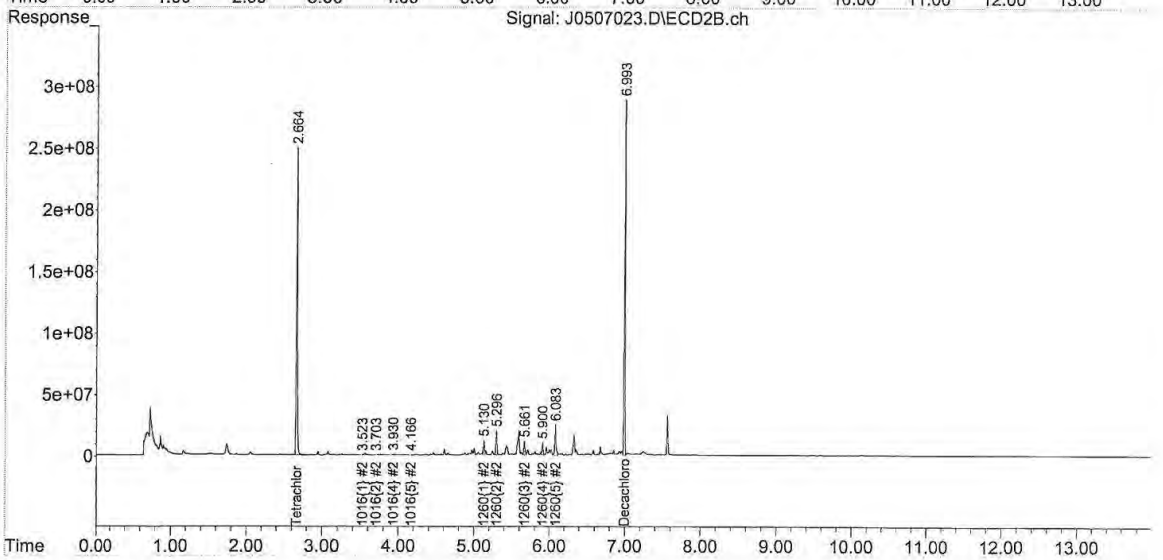
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\050714\
Data File : J0507023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 May 2014 2:51 pm
Operator : JMB
Sample : 14E0225-01@TBA Inst : ECD10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 10 05:36:59 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-041714.M
Quant Title : 1260/1016 12/12/13 12/05/13
QLast Update : Thu Apr 17 12:40:02 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





10-1260-041714.M Sat May 10 05:37:00 2014

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond

Project Number: 14E0225

Laboratory Sample ID(s):

14E0225-01

Sample Date(s):

04/25/2014

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 05/12/14

Name of Laboratory: Con-Test Analytical Laboratory

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

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May 13, 2014

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond
Client Job Number:
Project Number: 2110618A
Laboratory Work Order Number: 14E0226

Enclosed are results of analyses for samples received by the laboratory on May 6, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

con-test® ANALYTICAL LABORATORY
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Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/13/2014

PURCHASE ORDER NUMBER: 02261127

PROJECT NUMBER: 2110618A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14E0226

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

PROJECT LOCATION: Berlin Settling Pond

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S7-3	14E0226-01	Soil		SM 2540G	
				SW-846 8082A	
S5-3	14E0226-02	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

Analyte & Samples(s) Qualified:

14E0226-01[S7-3], 14E0226-02[S5-3]

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

con-test® ANALYTICAL LABORATORY
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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0226

Date Received: 5/6/2014

Field Sample #: S7-3 | Sampled: 4/28/2014 10:44

Sample ID: 14E0226-01

Sample Matrix: Soil

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 13:53	PJG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 13:53	PJG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 13:53	PJG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 13:53	PJG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 13:53	PJG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 13:53	PJG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 13:53	PJG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 13:53	PJG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 13:53	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.2	30-150		5/9/14 13:53
Decachlorobiphenyl [2]	87.0	30-150		5/9/14 13:53
Tetrachloro-m-xylene [1]	50.5	30-150		5/9/14 13:53
Tetrachloro-m-xylene [2]	52.3	30-150		5/9/14 13:53

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0226

Date Received: 5/6/2014

Field Sample #: S7-3 | Sampled: 4/28/2014 10:44

Sample ID: 14E0226-01

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	61.7		% Wt	1		SM 2540G	5/7/14	5/8/14 8:39	MXG

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0226

Date Received: 5/6/2014

Field Sample #: S5-3 | Sampled: 4/28/2014 11:34

Sample ID: 14E0226-02

Sample Matrix: Soil

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 14:10	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 14:10	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 14:10	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 14:10	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 14:10	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 14:10	PJG
Aroclor-1260 [2]	0.19	0.11	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 14:10	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 14:10	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	20		SW-846 8082A	5/7/14	5/9/14 14:10	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		5/9/14 14:10
Decachlorobiphenyl [2]	96.7	30-150		5/9/14 14:10
Tetrachloro-m-xylene [1]	58.4	30-150		5/9/14 14:10
Tetrachloro-m-xylene [2]	60.5	30-150		5/9/14 14:10

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0226

Date Received: 5/6/2014

Field Sample #: S5-3 | Sampled: 4/28/2014 11:34

Sample ID: 14E0226-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	70.1		% Wt	1		SM 2540G	5/7/14	5/8/14 8:39	MXG

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
14E0226-01 [S7-3]	B095281	05/07/14
14E0226-02 [S5-3]	B095281	05/07/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14E0226-01 [S7-3]	B095261	10.2	2.00	05/07/14
14E0226-02 [S5-3]	B095261	10.0	2.00	05/07/14

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B095261 - SW-846 3540C										
Blank (B095261-BLK1)				Prepared: 05/07/14 Analyzed: 05/08/14						
Aroclor-1016	ND	0.0040	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1221	ND	0.0040	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1232	ND	0.0040	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1242	ND	0.0040	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1248	ND	0.0040	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1254	ND	0.0040	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1260	ND	0.0040	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1262	ND	0.0040	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1268	ND	0.0040	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.0040	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.0493*		mg/Kg wet	0.0400		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.0518*		mg/Kg wet	0.0400		129	30-150			
Surrogate: Tetrachloro-m-xylene	*0.0476*		mg/Kg wet	0.0400		119	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0450*		mg/Kg wet	0.0400		113	30-150			
LCS (B095261-BS1)				Prepared: 05/07/14 Analyzed: 05/08/14						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		99.7	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		100	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Surrogate: Decachlorobiphenyl	*0.205*		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.189*		mg/Kg wet	0.200		94.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		94.1	30-150			
LCS Dup (B095261-BSD1)				Prepared: 05/07/14 Analyzed: 05/08/14						
Aroclor-1016	0.24	0.10	mg/Kg wet	0.200		122	40-140	16.4	30	
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140	5.92	30	
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		105	40-140	4.85	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		114	40-140	6.24	30	
Surrogate: Decachlorobiphenyl	*0.215*		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.222*		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.198*		mg/Kg wet	0.200		99.2	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	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.
O-27	Elevated reporting limit due to sample matrix interference. Multiple extract clean-up procedures were performed on this sample, but they did not sufficiently remove the interference to meet the requested reporting limit.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,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	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

14E0226

CHAIN OF CUSTODY RECORD

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Page 1 of 1

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Project # 860 513-1483

Rocky Hill, CT 06067 Client PO# 02261127

Attention: Jeff Willson

Project Location: Berlin Setting Pond (Berlin, CT)

Sampled By:

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE
Fax #
Email: sorokca@nu.com willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL O GIS
O OTHER
O "Enhanced Data Package"

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Collection Beginning Date/Time | Collection Ending Date/Time | Composite | Grab | "Matrix" Code | Conc Code | PCBs (Methods 8082) | Soxhlet Extraction (Method 3540C) | Hold Samples | | |

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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

14D1083

Page 1 of 2

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	S11-3	4/28/14	0904		X	S	U		✓	✓	1		A
02	S11-4	"	0906		"	"	"		✓	✓	"		"
03	S10-883		0924		"	"	"		✓	✓	"		"
04	S10-4		0926		"	"	"		✓	✓	"		"
05	S9-3		0944		"	"	"		✓	✓	"		"
06	S9-4		0946		"	"	"		✓	✓	"		"
07	S8-3		1024		"	"	"		✓	✓	"		"
08	S8-4		1026		"	"	"		✓	✓	"		"
09	S7-3		1044		"	"	"		✓	✓	"		"
10	S7-4	✓	1046		✓	✓	✓		✓	✓	"		"

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
[signature] 4/28/14	1625
Received by: (signature) Paul Ramsat 4/29/14	1625
Relinquished by: (signature) Paul Ramsat 4/28/14	1735
Received by: (signature) [signature] 4/28/14	17:35

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5 DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: _____
_____
Connecticut: Required det limit must be 0.03 mg/kg
Other:

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

ACCREDITED IN ACCORDANCE WITH nelac AIHA ACCREDITED LABORATORY
NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

14D1083

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02261127
Attention: Jeff Willson
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sinatra

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email: sorokca@nu.com willsonj@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	SG-3	4/23/14	1104		X	S	U		✓	✓	1	I	A
12	SG-4	"	1106		"	"	"		✓	✓	"	"	"
13	SS-3		1134						✓	✓	"	"	"
14	SS-4		1136						✓	✓	"	"	"
15	SA-3		1204						✓	✓	"	"	"
16	SA-4		1206						✓	✓	"	"	"
17	SB-3		1234						✓	✓	"	"	"
18	SB-4		1236						✓	✓	"	"	"
19	Dup-201	↓	—		↓	↓	↓		✓	✓	"	"	"
									✓	✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
4/25/14	16:27
Received by: (signature) Paul Rocheat 4/28/14	16:25
Relinquished by: (signature) Paul Rocheat 4/28/14	1735
Received by: (signature) 10.9°C 4/28/14	17:35

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: must be 0.05 mg/kg
Other:

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

ACCREDITED IN ACCORDANCE WITH nelac AIHA LAP, LLC
NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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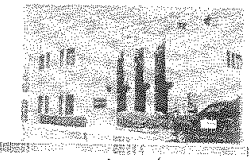
Page 1 of 2



Sample Receipt Checklist

CLIENT NAME: Weston + Sampson RECEIVED BY: MJ DATE: 4/28/14

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 See comments
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 10.9°C

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	19 A
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		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

Dup-201 on CoC labeled Dup-2

40 mL vials: # HCl _____ # Methanol _____ Time and Date Frozen:
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Doc# 277
Rev. 4 August 2013

Page 2 of 2

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) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	F	See previous page
4) Cooler Temperature is acceptable.	F	
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	See previous page
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.	NA	
18) There is sufficient volume for all requsted 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.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? Date/Time:

Doc #277 Rev. 4 August 2013 Log-In Technician Initials: Date/Time:

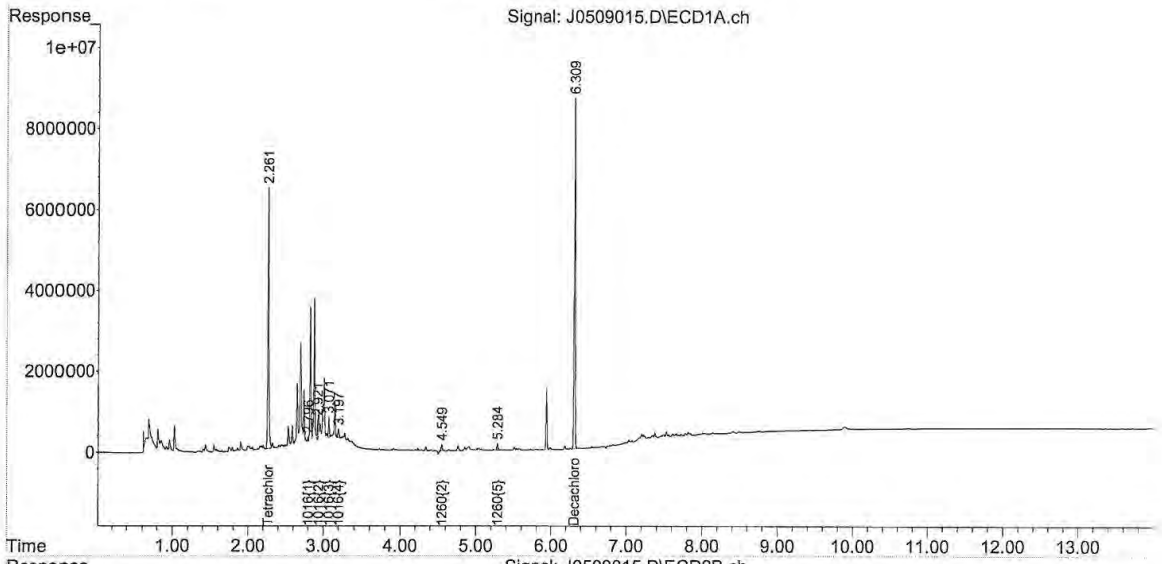
MJ 11/28/14 17:35

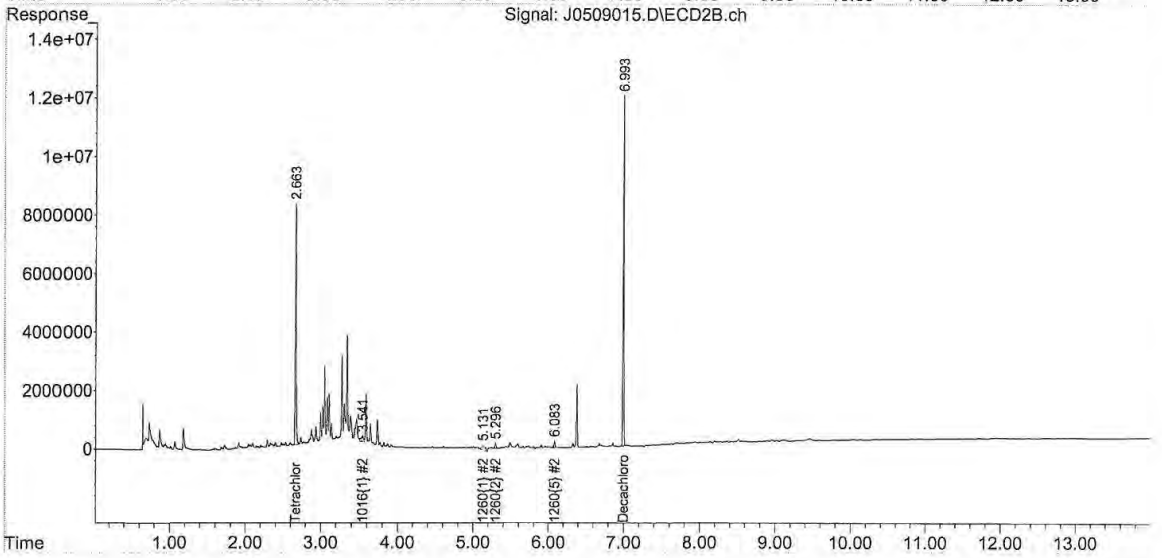
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\050914\
Data File : J0509015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 May 2014 1:53 pm
Operator : JMB
Sample : 14E0226-01@20X 3CU TBA Inst : ECD10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 09 15:40:36 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-041714.M
Quant Title : 1260/1016 12/12/13 12/05/13
QLast Update : Thu Apr 17 12:40:02 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



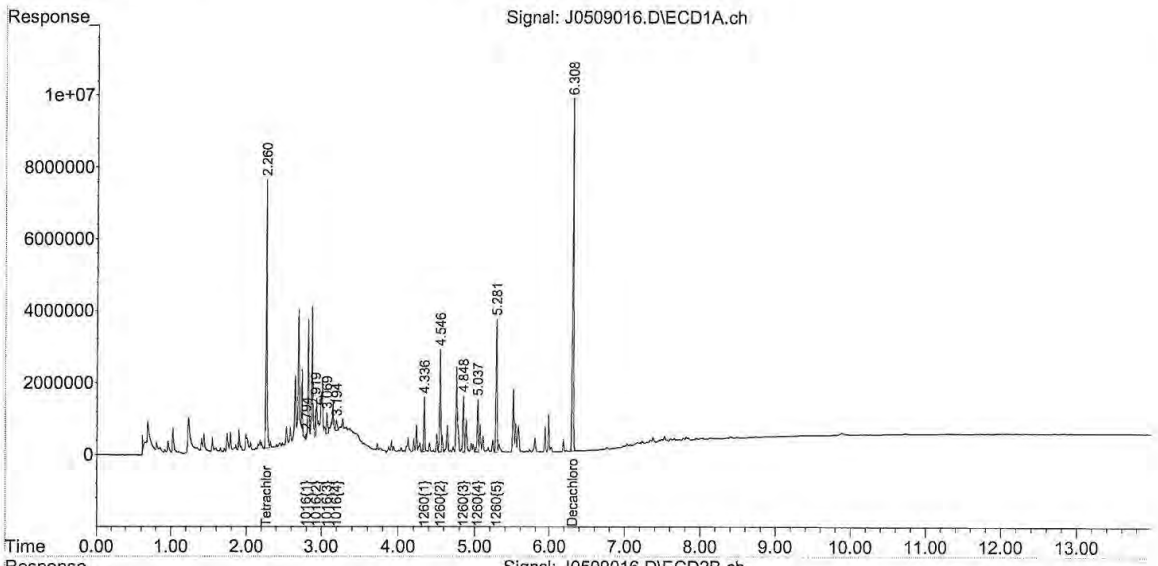


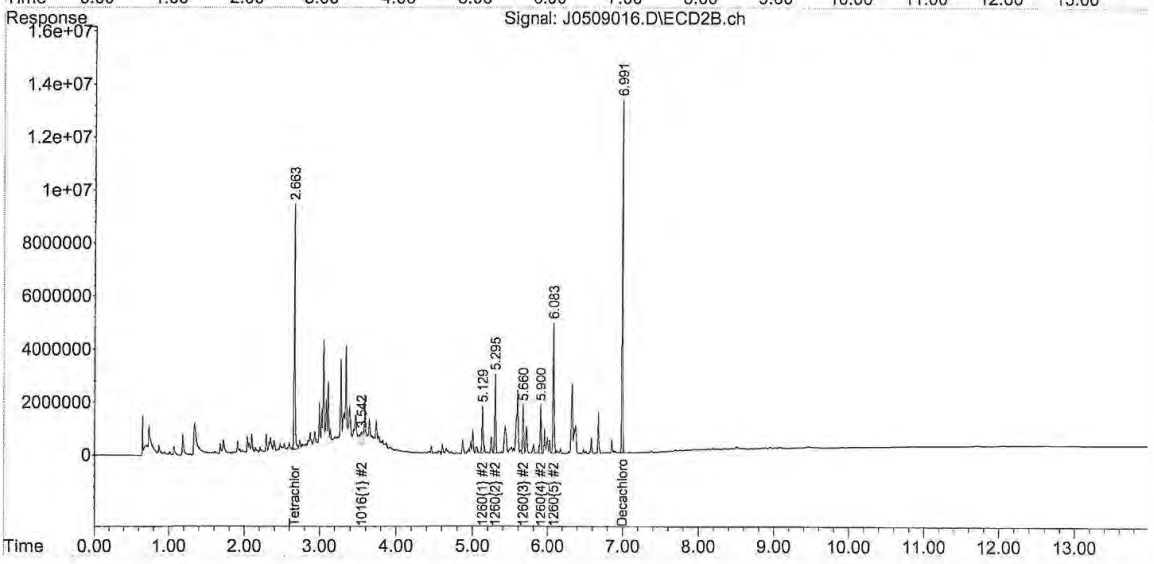
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\050914\
Data File : J0509016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 May 2014 2:10 pm
Operator : JMB
Sample : 14E0226-02@20X 3CU TBA Inst : ECD10
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 09 17:14:20 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-041714.M
Quant Title : 1260/1016 12/12/13 12/05/13
QLast Update : Thu Apr 17 12:40:02 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond

Project Number: 14E0226

Laboratory Sample ID(s):
14E0226-01 thru 14E0226-02

Sample Date(s):
04/28/2014

List RCP Methods Used:
SW-846 8082A

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

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

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

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 05/13/14

Name of Laboratory: Con-Test Analytical Laboratory

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

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

May 22, 2014

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond
Client Job Number:
Project Number: 2110618A
Laboratory Work Order Number: 14E0600

Enclosed are results of analyses for samples received by the laboratory on May 16, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/22/2014

PURCHASE ORDER NUMBER: 02261127

PROJECT NUMBER: 2110618A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14E0600

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

PROJECT LOCATION: Berlin Settling Pond

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S5-4	14E0600-01	Soil		SM 2540G SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

Login

Qualifications:

Sample was received above the maximum temperature of 6 °C.

Analyte & Samples(s) Qualified:

14E0600-01[S5-4]

SW-846 8082A

Qualifications:

Analysis was requested after the recommended holding time had passed.

Analyte & Samples(s) Qualified:

14E0600-01[S5-4]

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.



Michael A. Erickson
Laboratory Director

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0600

Date Received: 5/16/2014

Field Sample #: S5-4 | Sampled: 4/28/2014 11:36

Sample ID: 14E0600-01

Sample Matrix: Soil

Sample Flags: H-10

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.030	mg/Kg dry	1		SW-846 8082A	5/16/14	5/19/14 11:19	MJC
Aroclor-1221 [1]	ND	0.030	mg/Kg dry	1		SW-846 8082A	5/16/14	5/19/14 11:19	MJC
Aroclor-1232 [1]	ND	0.030	mg/Kg dry	1		SW-846 8082A	5/16/14	5/19/14 11:19	MJC
Aroclor-1242 [1]	ND	0.030	mg/Kg dry	1		SW-846 8082A	5/16/14	5/19/14 11:19	MJC
Aroclor-1248 [1]	ND	0.030	mg/Kg dry	1		SW-846 8082A	5/16/14	5/19/14 11:19	MJC
Aroclor-1254 [2]	0.047	0.030	mg/Kg dry	1		SW-846 8082A	5/16/14	5/19/14 11:19	MJC
Aroclor-1260 [2]	0.18	0.030	mg/Kg dry	1		SW-846 8082A	5/16/14	5/19/14 11:19	MJC
Aroclor-1262 [1]	ND	0.030	mg/Kg dry	1		SW-846 8082A	5/16/14	5/19/14 11:19	MJC
Aroclor-1268 [1]	ND	0.030	mg/Kg dry	1		SW-846 8082A	5/16/14	5/19/14 11:19	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.5	30-150		5/19/14 11:19
Decachlorobiphenyl [2]	89.4	30-150		5/19/14 11:19
Tetrachloro-m-xylene [1]	85.8	30-150		5/19/14 11:19
Tetrachloro-m-xylene [2]	83.3	30-150		5/19/14 11:19

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14E0600

Date Received: 5/16/2014

Field Sample #: S5-4 | Sampled: 4/28/2014 11:36

Sample ID: 14E0600-01

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	67.1		% Wt	1		SM 2540G	5/19/14	5/20/14 9:19	MXG

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
14E0600-01 [S5-4]	B095996	05/19/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14E0600-01 [S5-4]	B095899	10.0	10.0	05/16/14

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B095899 - SW-846 3540C										
Blank (B095899-BLK1)				Prepared: 05/16/14 Analyzed: 05/18/14						
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	*0.177*		mg/Kg wet	0.200		88.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.171*		mg/Kg wet	0.200		85.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.151*		mg/Kg wet	0.200		75.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.200		76.9	30-150			
LCS (B095899-BS1)				Prepared: 05/16/14 Analyzed: 05/18/14						
Aroclor-1016	0.045	0.10	mg/Kg wet	0.0500		89.1	40-140			
Aroclor-1016 [2C]	0.045	0.10	mg/Kg wet	0.0500		90.0	40-140			
Aroclor-1260	0.051	0.10	mg/Kg wet	0.0500		102	40-140			
Aroclor-1260 [2C]	0.052	0.10	mg/Kg wet	0.0500		105	40-140			
Surrogate: Decachlorobiphenyl	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.184*		mg/Kg wet	0.200		92.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.163*		mg/Kg wet	0.200		81.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.168*		mg/Kg wet	0.200		84.1	30-150			
LCS Dup (B095899-BSD1)				Prepared: 05/16/14 Analyzed: 05/18/14						
Aroclor-1016	0.043	0.10	mg/Kg wet	0.0500		86.6	40-140	2.82	30	
Aroclor-1016 [2C]	0.044	0.10	mg/Kg wet	0.0500		88.6	40-140	1.62	30	
Aroclor-1260	0.050	0.10	mg/Kg wet	0.0500		99.8	40-140	2.22	30	
Aroclor-1260 [2C]	0.051	0.10	mg/Kg wet	0.0500		102	40-140	2.66	30	
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		92.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.176*		mg/Kg wet	0.200		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.151*		mg/Kg wet	0.200		75.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.155*		mg/Kg wet	0.200		77.5	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	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-10	Analysis was requested after the recommended holding time had passed.
T-09	Sample was received above the maximum temperature of 6 °C.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,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	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

14E0600

con-test® ANALYTICAL LABORATORY

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www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Project # 860 513-1483

Rocky Hill, CT 06067 Client PO# 02261127

Attention: Jeff Willson DATA DELIVERY (check all that apply): O FAX O EMAIL O WEBSITE

Project Location: Berlin Settling Pond (Berlin, CT) Fax # sorokca@nu.com

Sampled By: Email: Willsonj@wseinc.com

Format: @ PDF @ EXCEL O GIS O OTHER

Project Proposal Provided? (for billing purposes) O yes _____ proposal date

O "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	ANALYSIS REQUESTED	# of Containers	** Preservation	***Container Code
								A				1	I	
	S5-4	4/28/14	1136		x	s	U	✓	✓					

Dissolved Metals
O Field Filtered
O 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= 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

Comments:

Soxhlet extr. already completed. Note detection limit rqmts. (0.03 mg/kg)

Relinquished by: (signature) Date/Time: 5/16/14 1700

Received by: (signature) Date/Time: 5/16

Relinquished by: (signature) Date/Time:

Received by: (signature) Date/Time:

Turnaround †† O 7-Day O 10-Day @ Other 5 DAY RUSH †

O †24-Hr O †48-Hr O †72-Hr O †4-Day

† Requires lab approval

Detection Limit Requirements

Massachusetts:

Connecticut: Det. Limit for S5-3 & S7-3 must be 0.03 mg/kg.

Other:

Is your project MCP or RCP?

O MCP Form Required
@ RCP Form Required
O MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

CHAIN OF CUSTODY RECORD 14D1083

Page 1 of 2

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02261127

Attention: Jeff Willson
DATA DELIVERY (check all that apply): ○ FAX ○ EMAIL ○ WEBSITE

Project Location: Berlin Settling Pond (Berlin, CT) Fax #

Sampled By: Will Sirotnak Email: sorokca@nu.com willsonj@wseinc.com

Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER

Project Proposal Provided? (for billing purposes) ○ yes ____ proposal date

○ "Enhanced Data Package"

Con-Test Lab ID (Laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	"Matrix" Code	Cont. Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	S11-3	4/28/14	0956		X	S	U				1		A
02	S11-4		0956										
03	S10-B3		0924										
04	S10-4		0922										
05	S9-3		0944										
06	S9-4		0940										
07	S8-3		1024										
08	S8-4		1026										
09	S7-3		1044										
10	S7-4	↓	1046	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

ANALYSIS REQUESTED

Dissolved Metals ○ Field Filtered ○ 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= groundwater WW= wastewater DW= drinking water A = air S = soil/solid SL = sludge O = other____

Comments:

Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
[signature] 4/28/14	1625	[signature]	1625
Received by: (signature) [signature] 4/28/14	Date/Time: 1625	Relinquished by: (signature) [signature] 4/29/14	Date/Time: 1735
Received by: (signature) [signature] 4/29/14	Date/Time: 17:35		

Turnaround †† ☐ 7-Day ☐ 10-Day ☒ Other same RUSH †
☐ †24-Hr ☐ †48-Hr ☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: _____
_____
Connecticut: Reduced det limit must be 0.63 mg/kg
Other: _____

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

NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 2 of 2

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473

Address: 273 Dividend Rd Project # 860 513-1483

Rocky Hill, CT 06067 Client PO# 02261127

Attention: Jeff Willson

Project Location: Berlin Settling Pond (Berlin, CT)

Sampled By: Will Swatkoski

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE

Fax #: sorokca@nu.com

Email: willsonj@wseinc.com

Format: ◉ PDF ◉ EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes ____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	SG-3	4/28/14	1104		X	S	U	1	1		1	I	
12	SG-4		1106					1	1				
13	SS-3		1134					1	1				
14	SS-4		1136					1	1				
15	SS4-3		1204					1	1				
16	SS4-4		1206					1	1				
17	SS3-3		1234					1	1				
18	SS3-4		1236					1	1				
19	Dup-201	↓	—	↓	↓	↓	↓	1	1				

Dissolved Metals
O Field Filtered
O 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= 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

Comments:

Note soxhlet extraction rqmts. for samples and TAT.

Relinquished by: (signature) Date/Time: 4/28/14 1625

Received by: (signature) Date/Time: 4/28/14 1735

Relinquished by: (signature) Date/Time: 4/28/14 1735

Received by: (signature) Date/Time: 4/28/14 1735

Relinquished by: (signature) Date/Time: 4/28/14 1735

Received by: (signature) Date/Time: 4/28/14 1735

Turnaround †
☐ 7-Day
☐ 10-Day
☒ Other 5 DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: _____
Connecticut: must be 0.05 RSLs

Other:

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

NELAC & AIHA Certified
WBE/DBE Certified

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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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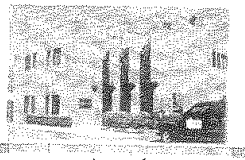


Sample Receipt Checklist

CLIENT NAME: Weston + Sampson RECEIVED BY: MJ DATE: 4/29/14

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) See comments
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 10.9°C
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	19 A
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		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:
Dup-201 on CoC labeled Dup-2

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Doc# 277
Rev. 4 August 2013

Page 2 of 2

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) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	F	See previous page
4) Cooler Temperature is acceptable.	F	
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	See previous page
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.	NA	
18) There is sufficient volume for all requsted 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.	NA	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements? Date/Time:

Log-In Technician Initials: Date/Time:

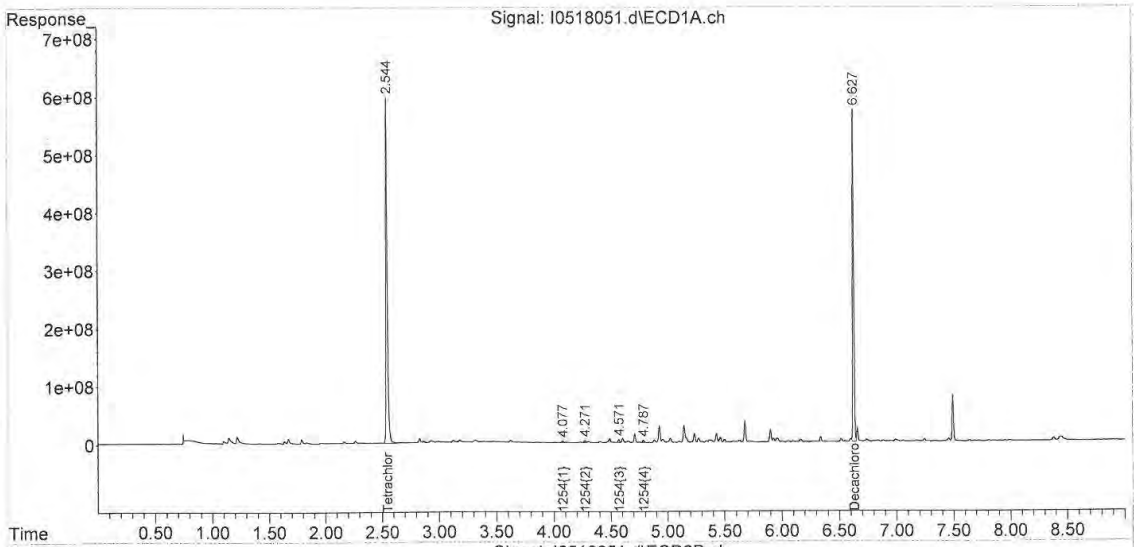
MJ 11/28/14 17:35

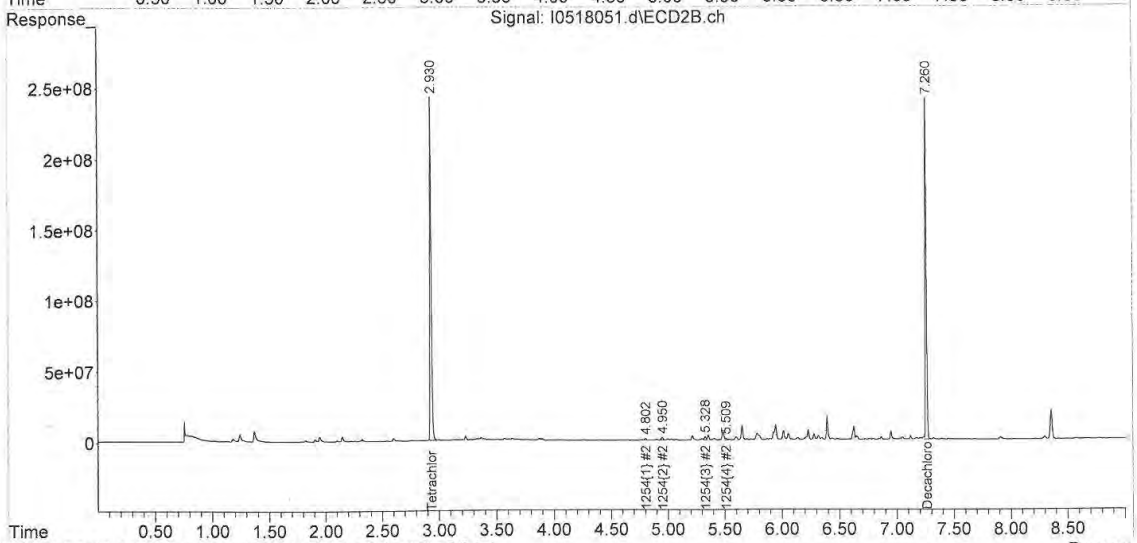
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\051814\
Data File : I0518051.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2014 11:19 am
Operator : JMB
Sample : 14E0600-01@TBA Inst : ECD 9
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 19 12:04:29 2014
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-051314C.M
Quant Title : 1254 05/13/14 03/07/14
QLast Update : Wed May 14 12:13:08 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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

September 11, 2014

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond
Client Job Number:
Project Number: 2110618A
Laboratory Work Order Number: 14I0111

Enclosed are results of analyses for samples received by the laboratory on September 3, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 9/11/2014

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: 2110618A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14I0111

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

PROJECT LOCATION: Berlin Settling Pond

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AQ-1 S1	14I0111-01	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
AQ-2 S1	14I0111-02	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
AQ-2 S2	14I0111-03	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
AQ-3 S1	14I0111-04	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
AQ-3 S2	14I0111-05	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
AQ-4 S1	14I0111-06	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
AQ-4 S2	14I0111-07	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 9/11/2014

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: 2110618A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14I0111

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

PROJECT LOCATION: Berlin Settling Pond

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AQ-5 S1	14I0111-08	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
AQ-5 S2	14I0111-09	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
AQ-6 S1	14I0111-10	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
AQ-6 S2	14I0111-11	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	
Dup-1	14I0111-12	Sediment		SM 2540G	
				SM D 422-63	GAI-LAP-20-1996/AASHTO
				SW 846 9060	MA M-MA071/CT PH-0520
				SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

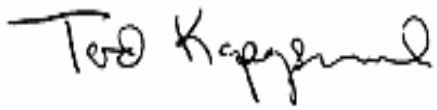
V-05

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:

Aroclor-1260 [2C]
B104556-BS1, B104556-BSD1

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



Tod E. Kopyscinski
Laboratory Director

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-1 S1 | Sampled: 9/3/2014 10:10

Sample ID: 14I0111-01

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:12	MJC
Aroclor-1221 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:12	MJC
Aroclor-1232 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:12	MJC
Aroclor-1242 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:12	MJC
Aroclor-1248 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:12	MJC
Aroclor-1254 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:12	MJC
Aroclor-1260 [2]	0.0066	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:12	MJC
Aroclor-1262 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:12	MJC
Aroclor-1268 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:12	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	47.0	30-150		9/9/14 15:12
Decachlorobiphenyl [2]	51.2	30-150		9/9/14 15:12
Tetrachloro-m-xylene [1]	35.8	30-150		9/9/14 15:12
Tetrachloro-m-xylene [2]	39.8	30-150		9/9/14 15:12

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-1 S1 | Sampled: 9/3/2014 10:10

Sample ID: 14I0111-01

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.7		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-1 S1 | Sampled: 9/3/2014 10:10

Sample ID: 14I0111-01

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	3460	100	mg/Kg	1		SW 846 9060		9/5/14 0:00	SAL

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-1 S1 | Sampled: 9/3/2014 10:10

Sample ID: 14I0111-01

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-2 S1 | Sampled: 9/3/2014 10:25

Sample ID: 14I0111-02

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:30	MJC
Aroclor-1221 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:30	MJC
Aroclor-1232 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:30	MJC
Aroclor-1242 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:30	MJC
Aroclor-1248 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:30	MJC
Aroclor-1254 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:30	MJC
Aroclor-1260 [2]	0.022	0.0049	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:30	MJC
Aroclor-1262 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:30	MJC
Aroclor-1268 [1]	ND	0.0049	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 15:30	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	52.2	30-150		9/9/14 15:30
Decachlorobiphenyl [2]	59.8	30-150		9/9/14 15:30
Tetrachloro-m-xylene [1]	52.3	30-150		9/9/14 15:30
Tetrachloro-m-xylene [2]	59.5	30-150		9/9/14 15:30

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-2 S1 | Sampled: 9/3/2014 10:25

Sample ID: 14I0111-02

Sample Matrix: Sediment

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	79.8		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-2 S1 | Sampled: 9/3/2014 10:25

Sample ID: 14I0111-02

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	4340	100	mg/Kg	1		SW 846 9060		9/5/14 0:00	SAL

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-2 S1 | Sampled: 9/3/2014 10:25

Sample ID: 14I0111-02

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-2 S2 | Sampled: 9/3/2014 10:40

Sample ID: 14I0111-03

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0098	mg/Kg dry	2		SW-846 8082A	9/5/14	9/9/14 23:51	MJC
Aroclor-1221 [1]	ND	0.0098	mg/Kg dry	2		SW-846 8082A	9/5/14	9/9/14 23:51	MJC
Aroclor-1232 [1]	ND	0.0098	mg/Kg dry	2		SW-846 8082A	9/5/14	9/9/14 23:51	MJC
Aroclor-1242 [1]	ND	0.0098	mg/Kg dry	2		SW-846 8082A	9/5/14	9/9/14 23:51	MJC
Aroclor-1248 [1]	ND	0.0098	mg/Kg dry	2		SW-846 8082A	9/5/14	9/9/14 23:51	MJC
Aroclor-1254 [1]	ND	0.0098	mg/Kg dry	2		SW-846 8082A	9/5/14	9/9/14 23:51	MJC
Aroclor-1260 [1]	0.073	0.0098	mg/Kg dry	2		SW-846 8082A	9/5/14	9/9/14 23:51	MJC
Aroclor-1262 [1]	ND	0.0098	mg/Kg dry	2		SW-846 8082A	9/5/14	9/9/14 23:51	MJC
Aroclor-1268 [1]	ND	0.0098	mg/Kg dry	2		SW-846 8082A	9/5/14	9/9/14 23:51	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	37.8	30-150		9/9/14 23:51
Decachlorobiphenyl [2]	42.3	30-150		9/9/14 23:51
Tetrachloro-m-xylene [1]	40.6	30-150		9/9/14 23:51
Tetrachloro-m-xylene [2]	39.4	30-150		9/9/14 23:51

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-2 S2 | Sampled: 9/3/2014 10:40

Sample ID: 14I0111-03

Sample Matrix: Sediment

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	79.8		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-2 S2 | Sampled: 9/3/2014 10:40

Sample ID: 14I0111-03

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	6050	100	mg/Kg	1		SW 846 9060		9/5/14 0:00	SAL

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-2 S2 | Sampled: 9/3/2014 10:40

Sample ID: 14I0111-03

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-3 S1 | Sampled: 9/3/2014 10:45

Sample ID: 14I0111-04

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:06	MJC
Aroclor-1221 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:06	MJC
Aroclor-1232 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:06	MJC
Aroclor-1242 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:06	MJC
Aroclor-1248 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:06	MJC
Aroclor-1254 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:06	MJC
Aroclor-1260 [2]	0.039	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:06	MJC
Aroclor-1262 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:06	MJC
Aroclor-1268 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:06	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.0	30-150		9/9/14 16:06
Decachlorobiphenyl [2]	78.0	30-150		9/9/14 16:06
Tetrachloro-m-xylene [1]	70.7	30-150		9/9/14 16:06
Tetrachloro-m-xylene [2]	83.8	30-150		9/9/14 16:06

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-3 S1 | Sampled: 9/3/2014 10:45

Sample ID: 14I0111-04

Sample Matrix: Sediment

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	83.2		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-3 S1 | Sampled: 9/3/2014 10:45

Sample ID: 14I0111-04

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	5360	100	mg/Kg	1		SW 846 9060		9/5/14 0:00	SAL

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-3 S1 | Sampled: 9/3/2014 10:45

Sample ID: 14I0111-04

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-3 S2 | Sampled: 9/3/2014 10:55

Sample ID: 14I0111-05

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.028	mg/Kg dry	5		SW-846 8082A	9/10/14	9/11/14 12:45	JMB
Aroclor-1221 [1]	ND	0.028	mg/Kg dry	5		SW-846 8082A	9/10/14	9/11/14 12:45	JMB
Aroclor-1232 [1]	ND	0.028	mg/Kg dry	5		SW-846 8082A	9/10/14	9/11/14 12:45	JMB
Aroclor-1242 [1]	ND	0.028	mg/Kg dry	5		SW-846 8082A	9/10/14	9/11/14 12:45	JMB
Aroclor-1248 [1]	ND	0.028	mg/Kg dry	5		SW-846 8082A	9/10/14	9/11/14 12:45	JMB
Aroclor-1254 [1]	ND	0.028	mg/Kg dry	5		SW-846 8082A	9/10/14	9/11/14 12:45	JMB
Aroclor-1260 [1]	0.18	0.028	mg/Kg dry	5		SW-846 8082A	9/10/14	9/11/14 12:45	JMB
Aroclor-1262 [1]	ND	0.028	mg/Kg dry	5		SW-846 8082A	9/10/14	9/11/14 12:45	JMB
Aroclor-1268 [1]	ND	0.028	mg/Kg dry	5		SW-846 8082A	9/10/14	9/11/14 12:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.3	30-150		9/11/14 12:45
Decachlorobiphenyl [2]	75.7	30-150		9/11/14 12:45
Tetrachloro-m-xylene [1]	81.3	30-150		9/11/14 12:45
Tetrachloro-m-xylene [2]	72.1	30-150		9/11/14 12:45

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-3 S2 | Sampled: 9/3/2014 10:55

Sample ID: 14I0111-05

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.2		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-3 S2 | Sampled: 9/3/2014 10:55

Sample ID: 14I0111-05

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	13840	100	mg/Kg	1		SW 846 9060		9/5/14 0:00	SAL

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-3 S2 | Sampled: 9/3/2014 10:55

Sample ID: 14I0111-05

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-4 S1 | Sampled: 9/3/2014 11:05

Sample ID: 14I0111-06

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0048	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 11:52	JMB
Aroclor-1221 [1]	ND	0.0048	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 11:52	JMB
Aroclor-1232 [1]	ND	0.0048	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 11:52	JMB
Aroclor-1242 [1]	ND	0.0048	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 11:52	JMB
Aroclor-1248 [1]	ND	0.0048	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 11:52	JMB
Aroclor-1254 [1]	ND	0.0048	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 11:52	JMB
Aroclor-1260 [1]	0.012	0.0048	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 11:52	JMB
Aroclor-1262 [1]	ND	0.0048	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 11:52	JMB
Aroclor-1268 [1]	ND	0.0048	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 11:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.2	30-150		9/11/14 11:52
Decachlorobiphenyl [2]	84.9	30-150		9/11/14 11:52
Tetrachloro-m-xylene [1]	89.1	30-150		9/11/14 11:52
Tetrachloro-m-xylene [2]	81.3	30-150		9/11/14 11:52

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-4 S1 | Sampled: 9/3/2014 11:05

Sample ID: 14I0111-06

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.3		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-4 S1 | Sampled: 9/3/2014 11:05

Sample ID: 14I0111-06

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	2470	100	mg/Kg	1		SW 846 9060		9/5/14 0:00	SAL

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-4 S1 | Sampled: 9/3/2014 11:05

Sample ID: 14I0111-06

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-4 S2 | Sampled: 9/3/2014 11:20

Sample ID: 14I0111-07

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:59	MJC
Aroclor-1221 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:59	MJC
Aroclor-1232 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:59	MJC
Aroclor-1242 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:59	MJC
Aroclor-1248 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:59	MJC
Aroclor-1254 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:59	MJC
Aroclor-1260 [2]	0.019	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:59	MJC
Aroclor-1262 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:59	MJC
Aroclor-1268 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 16:59	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.7	30-150		9/9/14 16:59
Decachlorobiphenyl [2]	97.8	30-150		9/9/14 16:59
Tetrachloro-m-xylene [1]	86.6	30-150		9/9/14 16:59
Tetrachloro-m-xylene [2]	101	30-150		9/9/14 16:59

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-4 S2 | Sampled: 9/3/2014 11:20

Sample ID: 14I0111-07

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.1		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-4 S2 | Sampled: 9/3/2014 11:20

Sample ID: 14I0111-07

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	1710	100	mg/Kg	1		SW 846 9060		9/5/14 0:00	SAL

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-4 S2 | Sampled: 9/3/2014 11:20

Sample ID: 14I0111-07

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-5 S1 | Sampled: 9/3/2014 11:25

Sample ID: 14I0111-08

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:17	MJC
Aroclor-1221 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:17	MJC
Aroclor-1232 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:17	MJC
Aroclor-1242 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:17	MJC
Aroclor-1248 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:17	MJC
Aroclor-1254 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:17	MJC
Aroclor-1260 [2]	0.0058	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:17	MJC
Aroclor-1262 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:17	MJC
Aroclor-1268 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:17	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	44.9	30-150		9/9/14 17:17
Decachlorobiphenyl [2]	49.3	30-150		9/9/14 17:17
Tetrachloro-m-xylene [1]	42.9	30-150		9/9/14 17:17
Tetrachloro-m-xylene [2]	49.1	30-150		9/9/14 17:17

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-5 S1 | Sampled: 9/3/2014 11:25

Sample ID: 14I0111-08

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.2		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-5 S1 | Sampled: 9/3/2014 11:25

Sample ID: 14I0111-08

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	1510	100	mg/Kg	1		SW 846 9060		9/5/14 0:00	SAL

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-5 S1 | Sampled: 9/3/2014 11:25

Sample ID: 14I0111-08

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-5 S2 | Sampled: 9/3/2014 11:45

Sample ID: 14I0111-09

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0046	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:35	MJC
Aroclor-1221 [1]	ND	0.0046	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:35	MJC
Aroclor-1232 [1]	ND	0.0046	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:35	MJC
Aroclor-1242 [1]	ND	0.0046	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:35	MJC
Aroclor-1248 [1]	ND	0.0046	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:35	MJC
Aroclor-1254 [1]	ND	0.0046	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:35	MJC
Aroclor-1260 [2]	0.0047	0.0046	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:35	MJC
Aroclor-1262 [1]	ND	0.0046	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:35	MJC
Aroclor-1268 [1]	ND	0.0046	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 17:35	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	58.7	30-150		9/9/14 17:35
Decachlorobiphenyl [2]	63.8	30-150		9/9/14 17:35
Tetrachloro-m-xylene [1]	41.2	30-150		9/9/14 17:35
Tetrachloro-m-xylene [2]	45.6	30-150		9/9/14 17:35

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-5 S2 | Sampled: 9/3/2014 11:45

Sample ID: 14I0111-09

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.2		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-5 S2 | Sampled: 9/3/2014 11:45

Sample ID: 14I0111-09

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	5870	100	mg/Kg	1		SW 846 9060		9/8/14 0:00	SAL

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-5 S2 | Sampled: 9/3/2014 11:45

Sample ID: 14I0111-09

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-6 S1 | Sampled: 9/3/2014 13:55

Sample ID: 14I0111-10

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:09	JMB
Aroclor-1221 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:09	JMB
Aroclor-1232 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:09	JMB
Aroclor-1242 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:09	JMB
Aroclor-1248 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:09	JMB
Aroclor-1254 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:09	JMB
Aroclor-1260 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:09	JMB
Aroclor-1262 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:09	JMB
Aroclor-1268 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.3	30-150		9/11/14 12:09
Decachlorobiphenyl [2]	77.0	30-150		9/11/14 12:09
Tetrachloro-m-xylene [1]	83.5	30-150		9/11/14 12:09
Tetrachloro-m-xylene [2]	75.8	30-150		9/11/14 12:09

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-6 S1 | Sampled: 9/3/2014 13:55

Sample ID: 14I0111-10

Sample Matrix: Sediment

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	82.8		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-6 S1 | Sampled: 9/3/2014 13:55

Sample ID: 14I0111-10

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	6300	100	mg/Kg	1		SW 846 9060		9/8/14 0:00	SAL

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-6 S1 | Sampled: 9/3/2014 13:55

Sample ID: 14I0111-10

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-6 S2 | Sampled: 9/3/2014 14:05

Sample ID: 14I0111-11

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:27	JMB
Aroclor-1221 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:27	JMB
Aroclor-1232 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:27	JMB
Aroclor-1242 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:27	JMB
Aroclor-1248 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:27	JMB
Aroclor-1254 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:27	JMB
Aroclor-1260 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:27	JMB
Aroclor-1262 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:27	JMB
Aroclor-1268 [1]	ND	0.0045	mg/Kg dry	1		SW-846 8082A	9/10/14	9/11/14 12:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.2	30-150		9/11/14 12:27
Decachlorobiphenyl [2]	66.8	30-150		9/11/14 12:27
Tetrachloro-m-xylene [1]	73.6	30-150		9/11/14 12:27
Tetrachloro-m-xylene [2]	65.7	30-150		9/11/14 12:27

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-6 S2 | Sampled: 9/3/2014 14:05

Sample ID: 14I0111-11

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-6 S2 | Sampled: 9/3/2014 14:05

Sample ID: 14I0111-11

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	5820	100	mg/Kg	1		SW 846 9060		9/8/14 0:00	SAL

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: AQ-6 S2 | Sampled: 9/3/2014 14:05

Sample ID: 14I0111-11

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: Dup-1 | Sampled: 9/3/2014 00:00

Sample ID: 14I0111-12

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 18:29	MJC
Aroclor-1221 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 18:29	MJC
Aroclor-1232 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 18:29	MJC
Aroclor-1242 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 18:29	MJC
Aroclor-1248 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 18:29	MJC
Aroclor-1254 [2]	0.018	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 18:29	MJC
Aroclor-1260 [2]	0.049	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 18:29	MJC
Aroclor-1262 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 18:29	MJC
Aroclor-1268 [1]	ND	0.0047	mg/Kg dry	1		SW-846 8082A	9/5/14	9/9/14 18:29	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.1	30-150		9/9/14 18:29
Decachlorobiphenyl [2]	93.8	30-150		9/9/14 18:29
Tetrachloro-m-xylene [1]	95.1	30-150		9/9/14 18:29
Tetrachloro-m-xylene [2]	105	30-150		9/9/14 18:29

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: Dup-1 | Sampled: 9/3/2014 00:00

Sample ID: 14I0111-12

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.7		% Wt	1		SM 2540G	9/8/14	9/8/14 17:43	HF

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: Dup-1 | Sampled: 9/3/2014 00:00

Sample ID: 14I0111-12

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	5100	100	mg/Kg	1		SW 846 9060		9/8/14 0:00	SAL

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Project Location: Berlin Settling Pond | Sample Description: | Work Order: 14I0111

Date Received: 9/3/2014

Field Sample #: Dup-1 | Sampled: 9/3/2014 00:00

Sample ID: 14I0111-12

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached		%	1		SM D 422-63		9/10/14 0:00	GTX

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
14I0111-01 [AQ-1 S1]	B104365	09/08/14
14I0111-02 [AQ-2 S1]	B104365	09/08/14
14I0111-03 [AQ-2 S2]	B104365	09/08/14
14I0111-04 [AQ-3 S1]	B104365	09/08/14
14I0111-05 [AQ-3 S2]	B104365	09/08/14
14I0111-06 [AQ-4 S1]	B104365	09/08/14
14I0111-07 [AQ-4 S2]	B104365	09/08/14
14I0111-08 [AQ-5 S1]	B104365	09/08/14
14I0111-09 [AQ-5 S2]	B104365	09/08/14
14I0111-10 [AQ-6 S1]	B104365	09/08/14
14I0111-11 [AQ-6 S2]	B104365	09/08/14
14I0111-12 [Dup-1]	B104365	09/08/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14I0111-01 [AQ-1 S1]	B104294	10.5	2.00	09/05/14
14I0111-02 [AQ-2 S1]	B104294	10.2	2.00	09/05/14
14I0111-03 [AQ-2 S2]	B104294	10.2	2.00	09/05/14
14I0111-04 [AQ-3 S1]	B104294	10.6	2.00	09/05/14
14I0111-07 [AQ-4 S2]	B104294	10.5	2.00	09/05/14
14I0111-08 [AQ-5 S1]	B104294	10.5	2.00	09/05/14
14I0111-09 [AQ-5 S2]	B104294	10.6	2.00	09/05/14
14I0111-12 [Dup-1]	B104294	10.5	2.00	09/05/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14I0111-05RE1 [AQ-3 S2]	B104556	10.2	2.00	09/10/14
14I0111-06RE1 [AQ-4 S1]	B104556	10.4	2.00	09/10/14
14I0111-10RE1 [AQ-6 S1]	B104556	10.4	2.00	09/10/14
14I0111-11RE1 [AQ-6 S2]	B104556	10.4	2.00	09/10/14

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B104294 - SW-846 3540C										
Blank (B104294-BLK1)				Prepared: 09/05/14 Analyzed: 09/09/14						
Aroclor-1016	ND	0.0040	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1221	ND	0.0040	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1232	ND	0.0040	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1242	ND	0.0040	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1248	ND	0.0040	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1254	ND	0.0040	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1260	ND	0.0040	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1262	ND	0.0040	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1268	ND	0.0040	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.0040	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.0173*		mg/Kg wet	0.0400		43.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.0183*		mg/Kg wet	0.0400		45.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.0155*		mg/Kg wet	0.0400		38.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0163*		mg/Kg wet	0.0400		40.8	30-150			
LCS (B104294-BS1)				Prepared: 09/05/14 Analyzed: 09/09/14						
Aroclor-1016	0.027	0.0040	mg/Kg wet	0.0400		68.5	40-140			
Aroclor-1016 [2C]	0.027	0.0040	mg/Kg wet	0.0400		68.7	40-140			
Aroclor-1260	0.029	0.0040	mg/Kg wet	0.0400		71.4	40-140			
Aroclor-1260 [2C]	0.032	0.0040	mg/Kg wet	0.0400		81.0	40-140			
Surrogate: Decachlorobiphenyl	*0.0330*		mg/Kg wet	0.0400		82.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.0341*		mg/Kg wet	0.0400		85.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.0235*		mg/Kg wet	0.0400		58.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0259*		mg/Kg wet	0.0400		64.7	30-150			
LCS Dup (B104294-BSD1)				Prepared: 09/05/14 Analyzed: 09/09/14						
Aroclor-1016	0.029	0.0040	mg/Kg wet	0.0400		71.5	40-140	4.29	30	
Aroclor-1016 [2C]	0.030	0.0040	mg/Kg wet	0.0400		74.1	40-140	7.53	30	
Aroclor-1260	0.031	0.0040	mg/Kg wet	0.0400		78.1	40-140	9.01	30	
Aroclor-1260 [2C]	0.034	0.0040	mg/Kg wet	0.0400		84.9	40-140	4.73	30	
Surrogate: Decachlorobiphenyl	*0.0324*		mg/Kg wet	0.0400		81.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.0318*		mg/Kg wet	0.0400		79.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.0229*		mg/Kg wet	0.0400		57.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0255*		mg/Kg wet	0.0400		63.6	30-150			

con-test® ANALYTICAL LABORATORY
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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B104294 - SW-846 3540C										
Matrix Spike (B104294-MS1)	**Source: 14I0111-09**			Prepared: 09/05/14 Analyzed: 09/09/14						
Aroclor-1016	0.044	0.0047	mg/Kg dry	0.0469	0.0	93.3	40-140			
Aroclor-1016 [2C]	0.048	0.0047	mg/Kg dry	0.0469	0.0	102	40-140			
Aroclor-1260	0.046	0.0047	mg/Kg dry	0.0469	0.0041	89.9	40-140			
Aroclor-1260 [2C]	0.049	0.0047	mg/Kg dry	0.0469	0.0047	94.9	40-140			
Surrogate: Decachlorobiphenyl	*0.0416*		mg/Kg dry	0.0469		88.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.0460*		mg/Kg dry	0.0469		98.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.0495*		mg/Kg dry	0.0469		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0541*		mg/Kg dry	0.0469		115	30-150			
Matrix Spike Dup (B104294-MSD1)	**Source: 14I0111-09**			Prepared: 09/05/14 Analyzed: 09/09/14						
Aroclor-1016	0.034	0.0048	mg/Kg dry	0.0483	0.0	70.9	40-140	24.5	50	
Aroclor-1016 [2C]	0.041	0.0048	mg/Kg dry	0.0483	0.0	85.3	40-140	14.9	50	
Aroclor-1260	0.045	0.0048	mg/Kg dry	0.0483	0.0041	84.3	40-140	3.18	50	
Aroclor-1260 [2C]	0.048	0.0048	mg/Kg dry	0.0483	0.0047	90.5	40-140	1.72	50	
Surrogate: Decachlorobiphenyl	*0.0371*		mg/Kg dry	0.0483		76.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.0412*		mg/Kg dry	0.0483		85.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.0422*		mg/Kg dry	0.0483		87.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0457*		mg/Kg dry	0.0483		94.6	30-150			
Batch B104556 - SW-846 3540C										
Blank (B104556-BLK1)				Prepared: 09/10/14 Analyzed: 09/11/14						
Aroclor-1016	ND	0.0040	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1221	ND	0.0040	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1232	ND	0.0040	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1242	ND	0.0040	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1248	ND	0.0040	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1254	ND	0.0040	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1260	ND	0.0040	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1262	ND	0.0040	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.0040	mg/Kg wet							
Aroclor-1268	ND	0.0040	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.0040	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg wet	0.200		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.185*		mg/Kg wet	0.200		92.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.167*		mg/Kg wet	0.200		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.159*		mg/Kg wet	0.200		79.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B104556 - SW-846 3540C										
LCS (B104556-BS1)				Prepared: 09/10/14 Analyzed: 09/11/14						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		77.3	40-140			
Aroclor-1016 [2C]	0.14	0.020	mg/Kg wet	0.200		70.8	40-140			
Aroclor-1260	0.15	0.020	mg/Kg wet	0.200		76.1	40-140			
Aroclor-1260 [2C]	0.14	0.020	mg/Kg wet	0.200		72.2	40-140			V-05
Surrogate: Decachlorobiphenyl	*0.159*		mg/Kg wet	0.200		79.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.158*		mg/Kg wet	0.200		79.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.155*		mg/Kg wet	0.200		77.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.147*		mg/Kg wet	0.200		73.6	30-150			
LCS Dup (B104556-BSD1)				Prepared: 09/10/14 Analyzed: 09/11/14						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.0	40-140	16.4	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		83.9	40-140	16.9	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.7	40-140	17.5	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		86.5	40-140	18.1	30	V-05
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.185*		mg/Kg wet	0.200		92.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.174*		mg/Kg wet	0.200		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.165*		mg/Kg wet	0.200		82.4	30-150			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B104365 - % Solids										
Duplicate (B104365-DUP1)	**Source: 14I0111-01**		Prepared & Analyzed: 09/08/14							
% Solids	82.1		% Wt		81.7			0.488	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AQ-1 S1

Lab Sample ID: 14I0111-01 Date(s) Analyzed: 09/09/2014 09/09/2014

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-1260	1	0.00	0.00	0.00	0.0058	
	2	0.00	0.00	0.00	0.0066	12.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AQ-2 S1

Lab Sample ID: 14I0111-02 Date(s) Analyzed: 09/09/2014 09/09/2014

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-1260	1	0.00	0.00	0.00	0.020	
	2	0.00	0.00	0.00	0.022	10.0

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AQ-2 S2

Lab Sample ID: 14I0111-03 Date(s) Analyzed: 09/09/2014 09/09/2014

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-1260	1	0.00	0.00	0.00	0.073	
	2	0.00	0.00	0.00	0.072	1.5

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AQ-3 S1

Lab Sample ID: 14I0111-04 Date(s) Analyzed: 09/09/2014 09/09/2014

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-1260	1	0.00	0.00	0.00	0.035	
	2	0.00	0.00	0.00	0.039	10.2

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AQ-3 S2

Lab Sample ID: 14I0111-05RE1 Date(s) Analyzed: 09/11/2014 09/11/2014

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-1260	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.17	4.0

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AQ-4 S1

Lab Sample ID: 14I0111-06RE1 Date(s) Analyzed: 09/11/2014 09/11/2014

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-1260	1	0.00	0.00	0.00	0.012	
	2	0.00	0.00	0.00	0.011	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AQ-4 S2

Lab Sample ID: 14I0111-07 Date(s) Analyzed: 09/09/2014 09/09/2014

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-1260	1	0.00	0.00	0.00	0.015	
	2	0.00	0.00	0.00	0.019	22.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AQ-5 S1

Lab Sample ID: 14I0111-08 Date(s) Analyzed: 09/09/2014 09/09/2014

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-1260	1	0.00	0.00	0.00	0.0049	
	2	0.00	0.00	0.00	0.0058	16.2

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-1

Lab Sample ID: 14I0111-12 Date(s) Analyzed: 09/09/2014 09/09/2014

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-1254	1	0.00	0.00	0.00	0.015	
	2	0.00	0.00	0.00	0.018	20.2
Aroclor-1260	1	0.00	0.00	0.00	0.043	
	2	0.00	0.00	0.00	0.049	13.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B104294-BS1 Date(s) Analyzed: 09/09/2014 09/09/2014

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	0.027	
	2	0.00	0.00	0.00	0.027	1
Aroclor-1260	1	0.00	0.00	0.00	0.029	
	2	0.00	0.00	0.00	0.032	11

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B104294-BSD1 Date(s) Analyzed: 09/09/2014 09/09/2014

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	0.029	
	2	0.00	0.00	0.00	0.030	5
Aroclor-1260	1	0.00	0.00	0.00	0.031	
	2	0.00	0.00	0.00	0.034	8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B104294-MS1 Date(s) Analyzed: 09/09/2014 09/09/2014

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	0.044	
	2	0.00	0.00	0.00	0.048	9
Aroclor-1260	1	0.00	0.00	0.00	0.046	
	2	0.00	0.00	0.00	0.049	6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B104294-MSD1 Date(s) Analyzed: 09/09/2014 09/09/2014

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	0.034	
	2	0.00	0.00	0.00	0.041	18
Aroclor-1260	1	0.00	0.00	0.00	0.045	
	2	0.00	0.00	0.00	0.048	7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B104556-BS1 Date(s) Analyzed: 09/11/2014 09/11/2014

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	0.15	
	2	0.00	0.00	0.00	0.14	10
Aroclor-1260	1	0.00	0.00	0.00	0.15	
	2	0.00	0.00	0.00	0.14	8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B104556-BSD1 Date(s) Analyzed: 09/11/2014 09/11/2014

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	0.18	
	2	0.00	0.00	0.00	0.17	7
Aroclor-1260	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.17	6

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	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.
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,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 Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
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	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

14I0111

Page 1 of 2

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project #: 860 513-1483
Client PO#: 02274021, Release 5
Attention: Laura Yellen
Project Location: Berlin Settling Basin (Berlin, CT)
Sampled By: W. Sirotnak/

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # christopher.soroka@nu.com
Email: yellenl@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs via soxhlet method (8082/3540)	Total Organic Carbon (TOC)	Grain Analysis
01	AQ-1 S1	9/3/14	1010			O	U	✓	✓	✓
—	~~AQ-1 S2~~									
02	AQ-2 S1	9/3/14	1025					✓	✓	✓
03	AQ-2 S2		1040					✓	✓	✓
04	AQ-3 S1		1045					✓	✓	✓
05	AQ-3 S2		1055					✓	✓	✓
06	AQ-4 S1		1105					✓	✓	✓
07	AQ-4 S2		1120					✓	✓	✓
08	AQ-5 S1		1125					✓	✓	✓
09	AQ-5 S2	↓	1145					✓	✓	✓

# of Containers: 3 | 1 | A
** Preservation: | I |
***Container Code: | | A

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Sediment

Comments:
2.7 C
Email data to C. Soroka (christopher.soroka@nu.com) and L. Yellen (yellenl@wseinc.com)

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

Relinquished by: (signature)	9/3/14	Date/Time: 3??
Received by: (signature)	9/3/14	Date/Time: 3??
Relinquished by: (signature)	9/3/14	Date/Time: 4??
Received by: (signature)	9/3/14 5?3°C	Date/Time: 16:27

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5 DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: CT RSRs GWPC/SWPC
Other:

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

NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

CHAIN OF CUSTODY RECORD

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Fax: 413-525-6405
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www.contestlabs.com
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East longmeadow, MA 01028

14I0111

Page 2 of 2

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02274021, Release 5
Attention: Laura Yellen
Project Location: Berlin Settling Basin (Berlin, CT)
Sampled By: W. Sirotnak/

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # christopher.soroka@nu.com
Email: yellenl@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs via soxhlet method (8082/3540)	Total Organic Carbon (TOC)	Grain Analysis	# of Containers	** Preservation	***Container Code
								3					
								I					
								A					
10	AQ-C S1	9/3/14	1355			O	U	✓	✓	✓			
11	AQ-6 S2	↓	1405			↓	↓	✓	✓	✓			
12	Dup-1	↓	—			↓	↓	✓	✓	✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Sediment

Comments:
Email data to C. Soroka (christopher.soroka@nu.com) and L. Yellen (yellenl@wseinc.com)
2.7C

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

Relinquished by: (signature)	9/3/14	Date/Time: 3:30
Received by: (signature)	9/3/14	Date/Time: 3:30
Relinquished by: (signature)	9/3/14	Date/Time: 4:05
Received by: (signature)	9/3/14	Date/Time: 16:27

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5 DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: CT RSRs GWPC/SWPC
Other:

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

NELAC & AIHA Certified
WBE/DBE Certified

†† 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 IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston + Sampson RECEIVED BY: MT DATE: 9/3/14

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 5.3 °C

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	36A
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		Perchlorate Kit	
Coliscure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

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) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
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 requsted 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	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** **Date/Time:**

MJ 9/3/14 16:27

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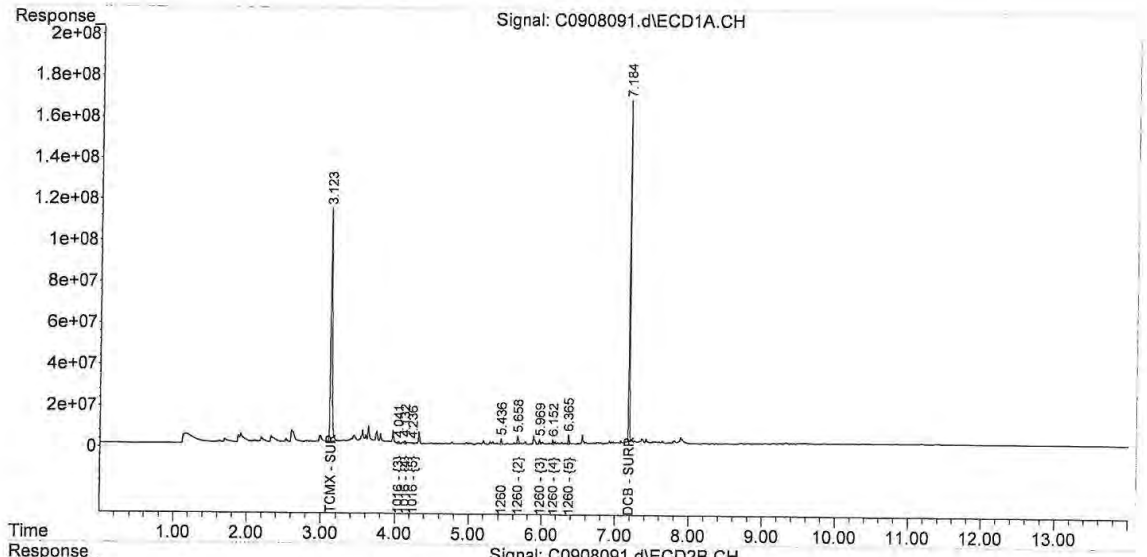
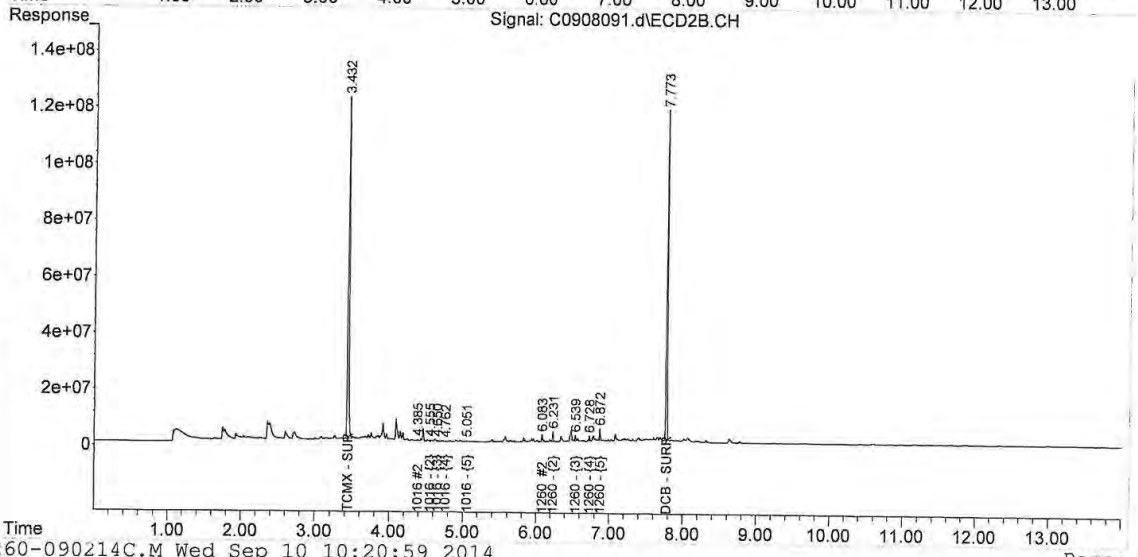
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090814\
Data File : C0908091.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2014 15:12 pm
Operator : JMB
Sample : 14I0111-01@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 91 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Sep 10 08:46:02 2014
Quant Method : C:\msdchem\1\methods\3-1260-090214C.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 21:59:13 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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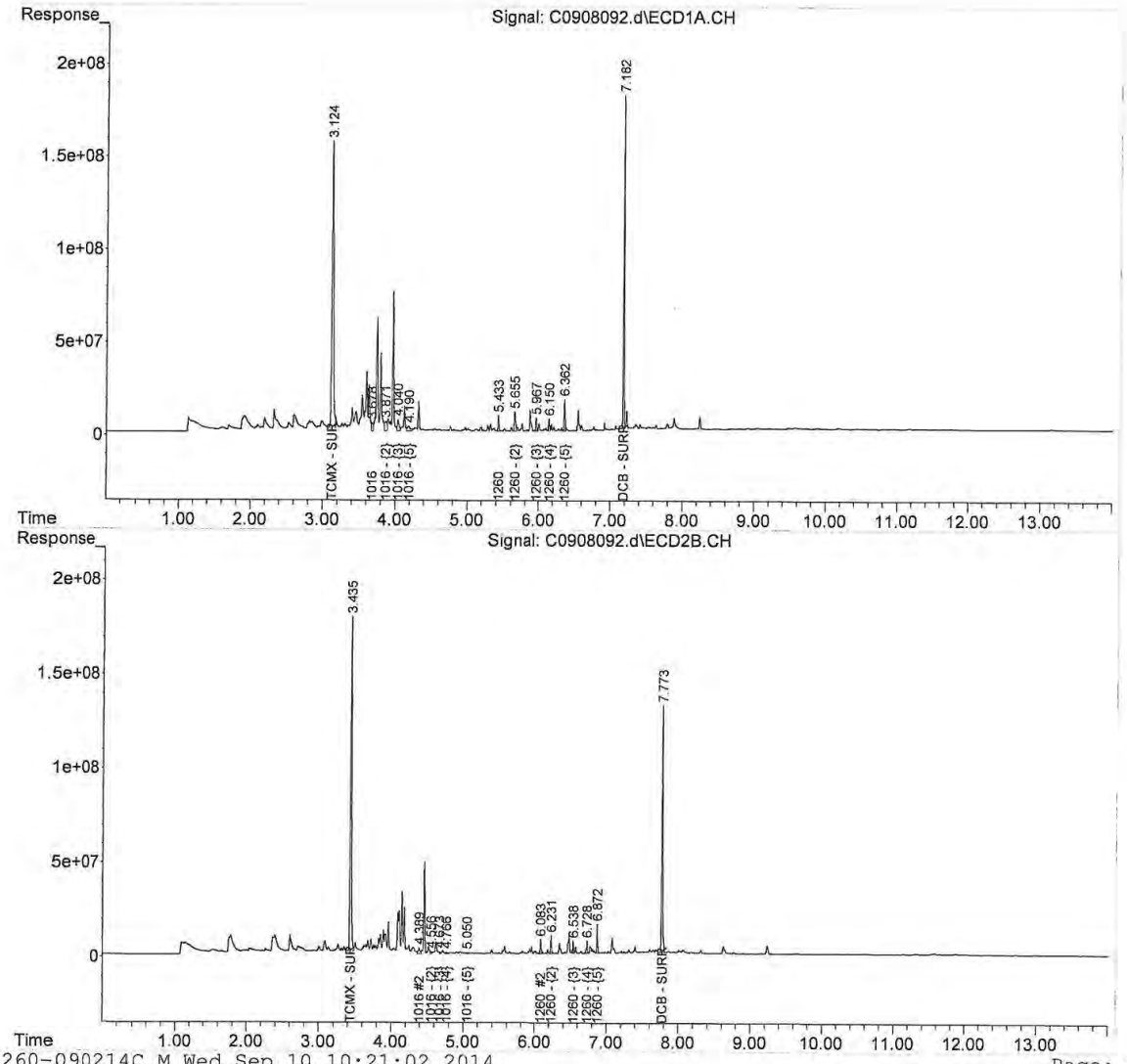
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090814\
Data File : C0908092.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2014 15:30 pm
Operator : JMB
Sample : 14I0111-02@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 92 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Sep 10 08:47:55 2014
Quant Method : C:\msdchem\1\methods\3-1260-090214C.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 21:59:13 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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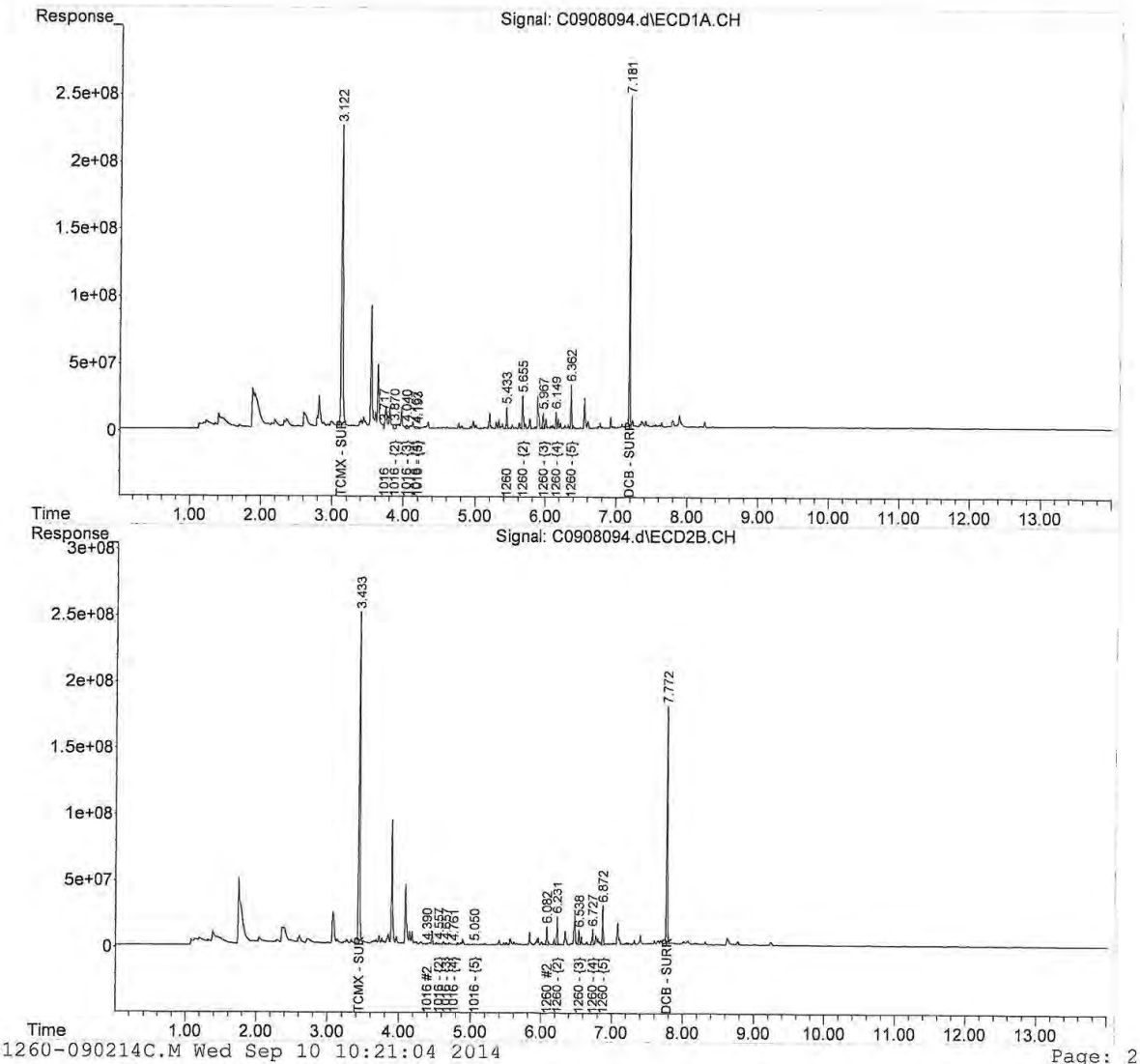
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090814\
Data File : C0908094.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2014 16:06 pm
Operator : JMB
Sample : 14I0111-04@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 94 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Sep 10 08:50:56 2014
Quant Method : C:\msdchem\1\methods\3-1260-090214C.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 21:59:13 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

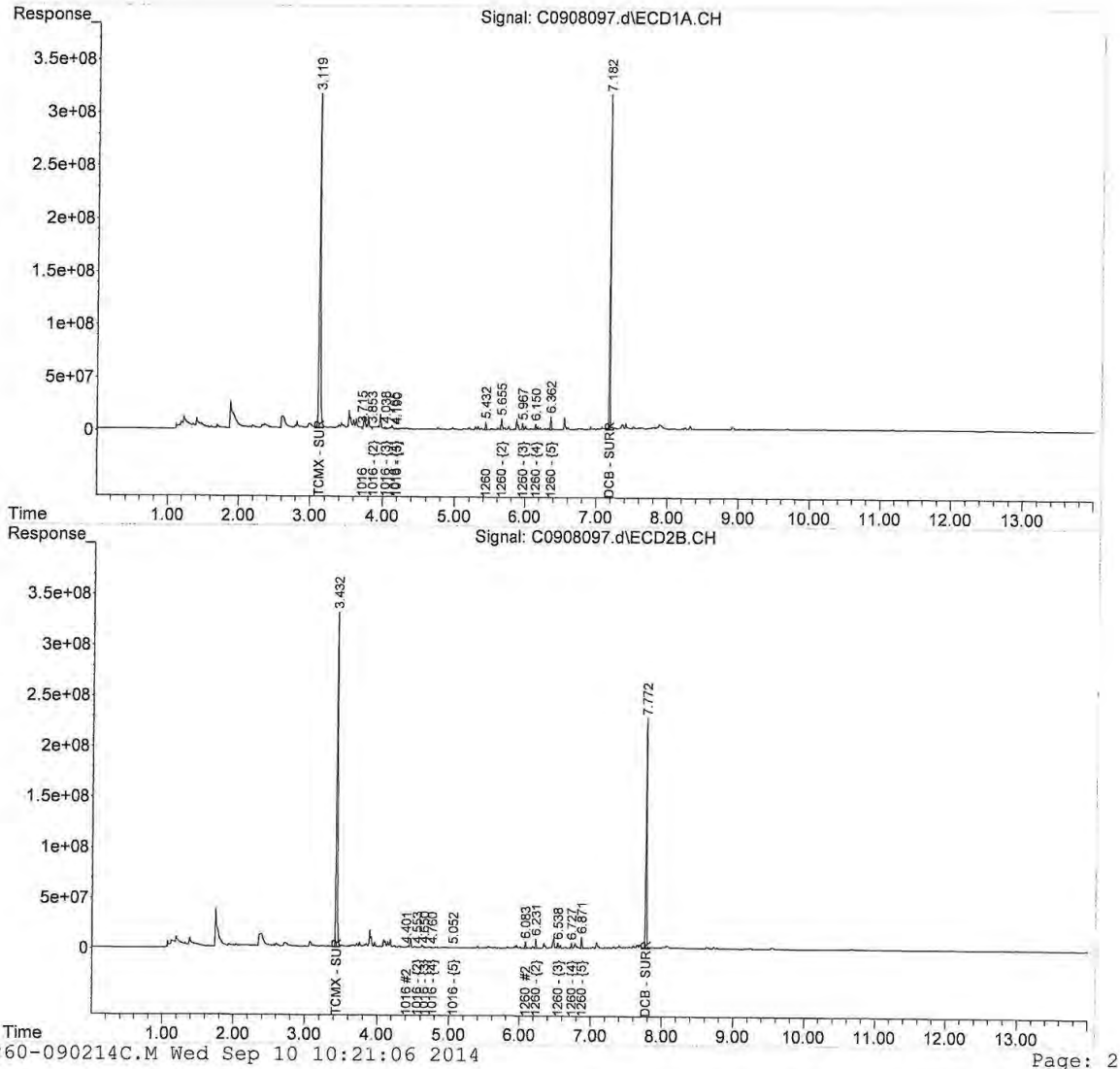


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090814\
Data File : C0908097.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2014 16:59 pm
Operator : JMB
Sample : 14I0111-07@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 97 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Sep 10 08:59:03 2014
Quant Method : C:\msdchem\1\methods\3-1260-090214C.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 21:59:13 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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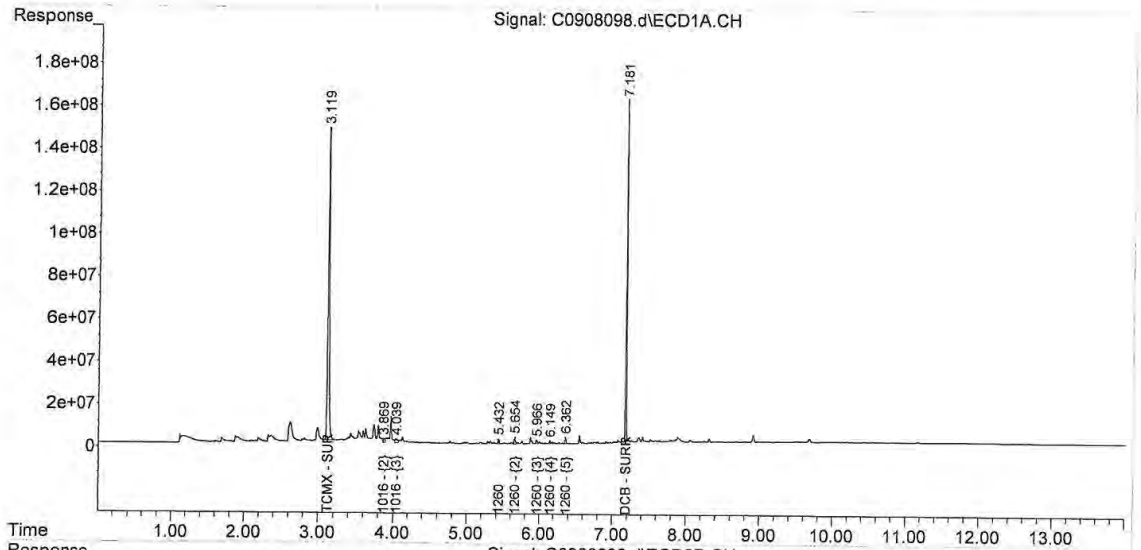
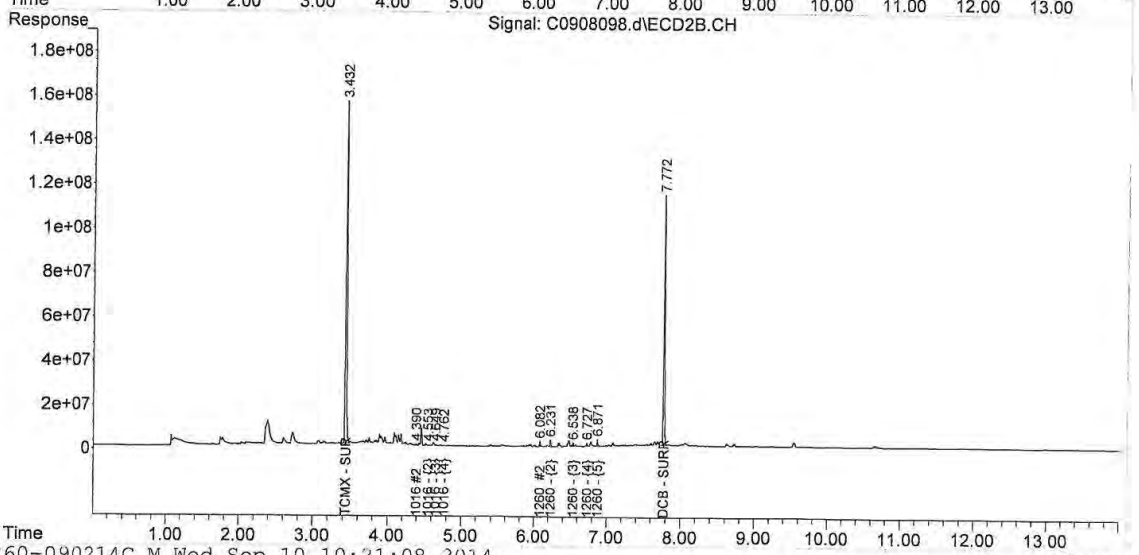
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090814\
Data File : C0908098.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2014 17:17 pm
Operator : JMB
Sample : 14I0111-08@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 98 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Sep 10 09:01:06 2014
Quant Method : C:\msdchem\1\methods\3-1260-090214C.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 21:59:13 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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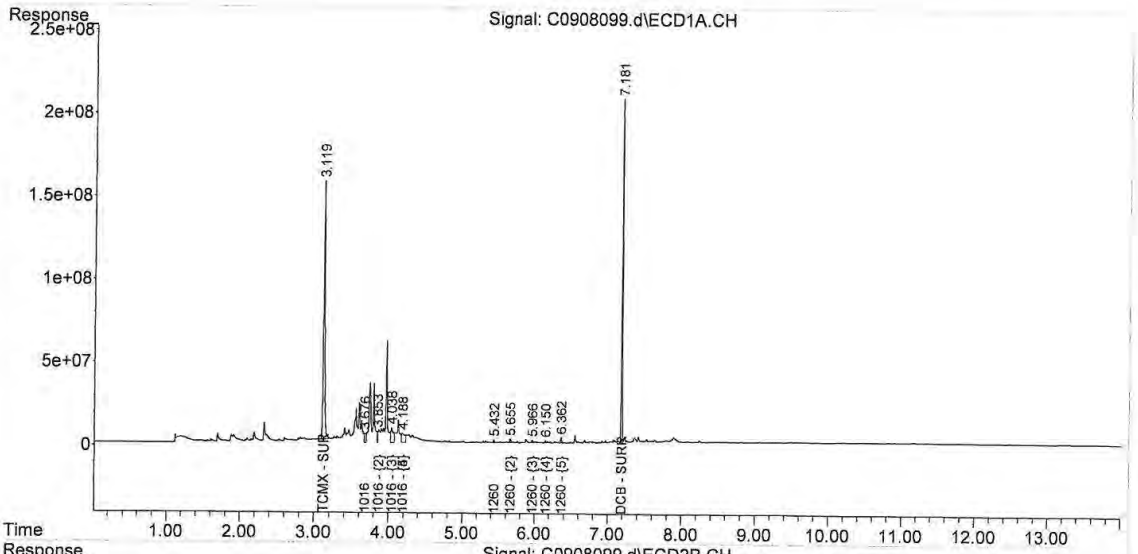
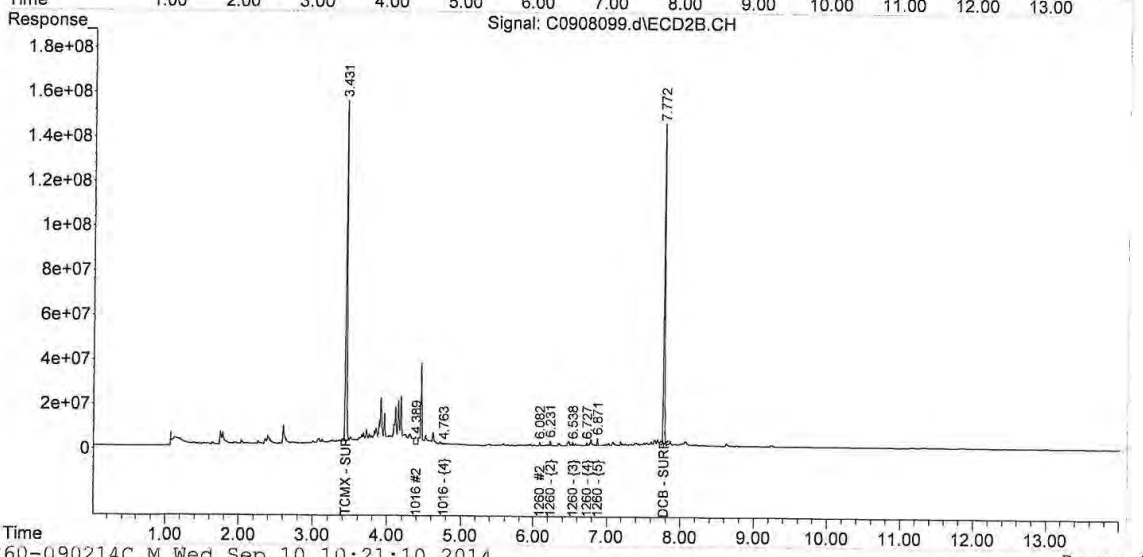
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090814\
Data File : C0908099.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2014 17:35 pm
Operator : JMB
Sample : 14I0111-09@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Sep 10 09:02:28 2014
Quant Method : C:\msdchem\1\methods\3-1260-090214C.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 21:59:13 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



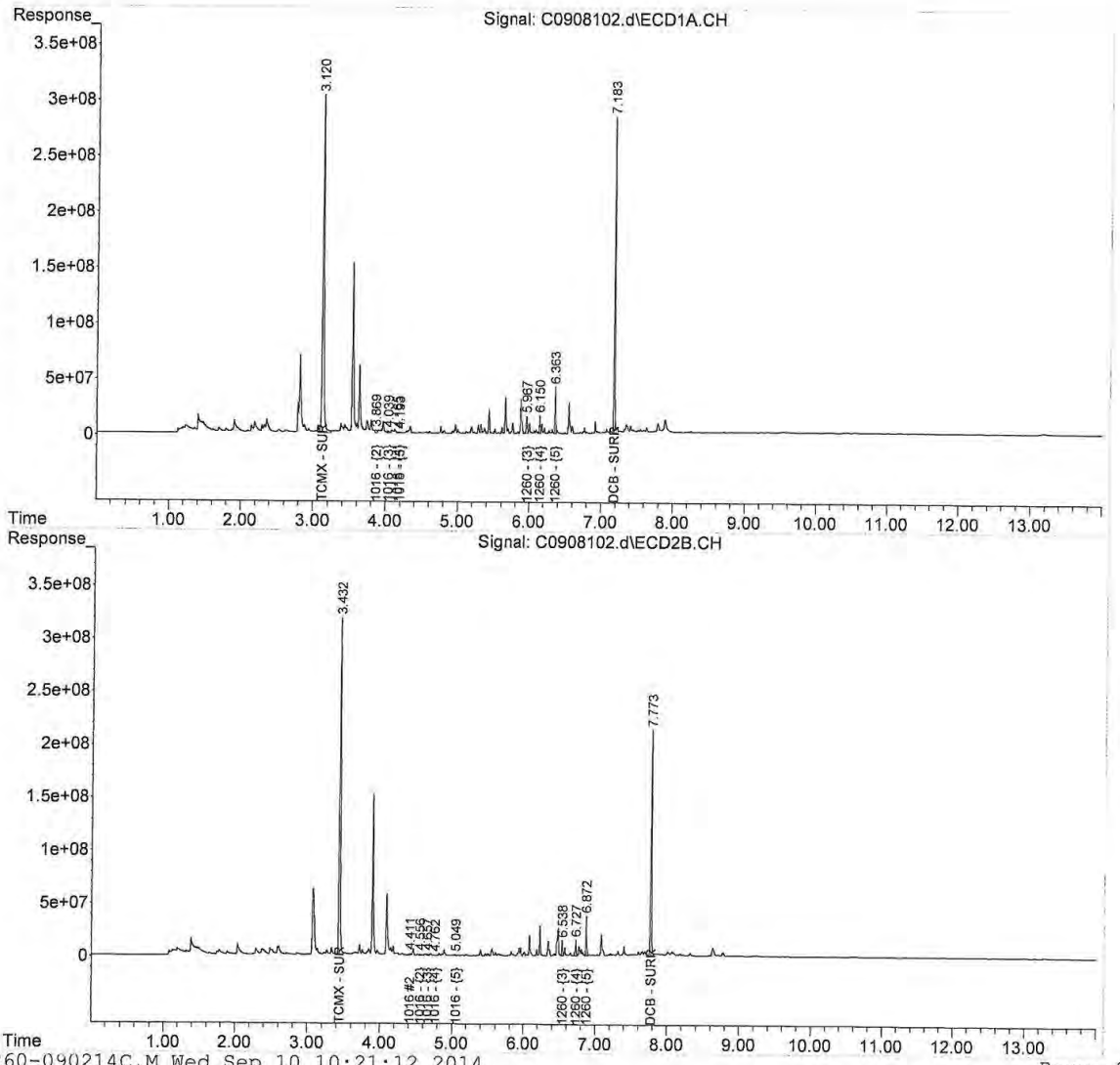


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090814\
Data File : C0908102.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2014 18:29 pm
Operator : JMB
Sample : 14I0111-12@TBA Inst : DUAL ECD3
Misc :
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Sep 10 09:08:07 2014
Quant Method : C:\msdchem\1\methods\3-1260-090214C.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 21:59:13 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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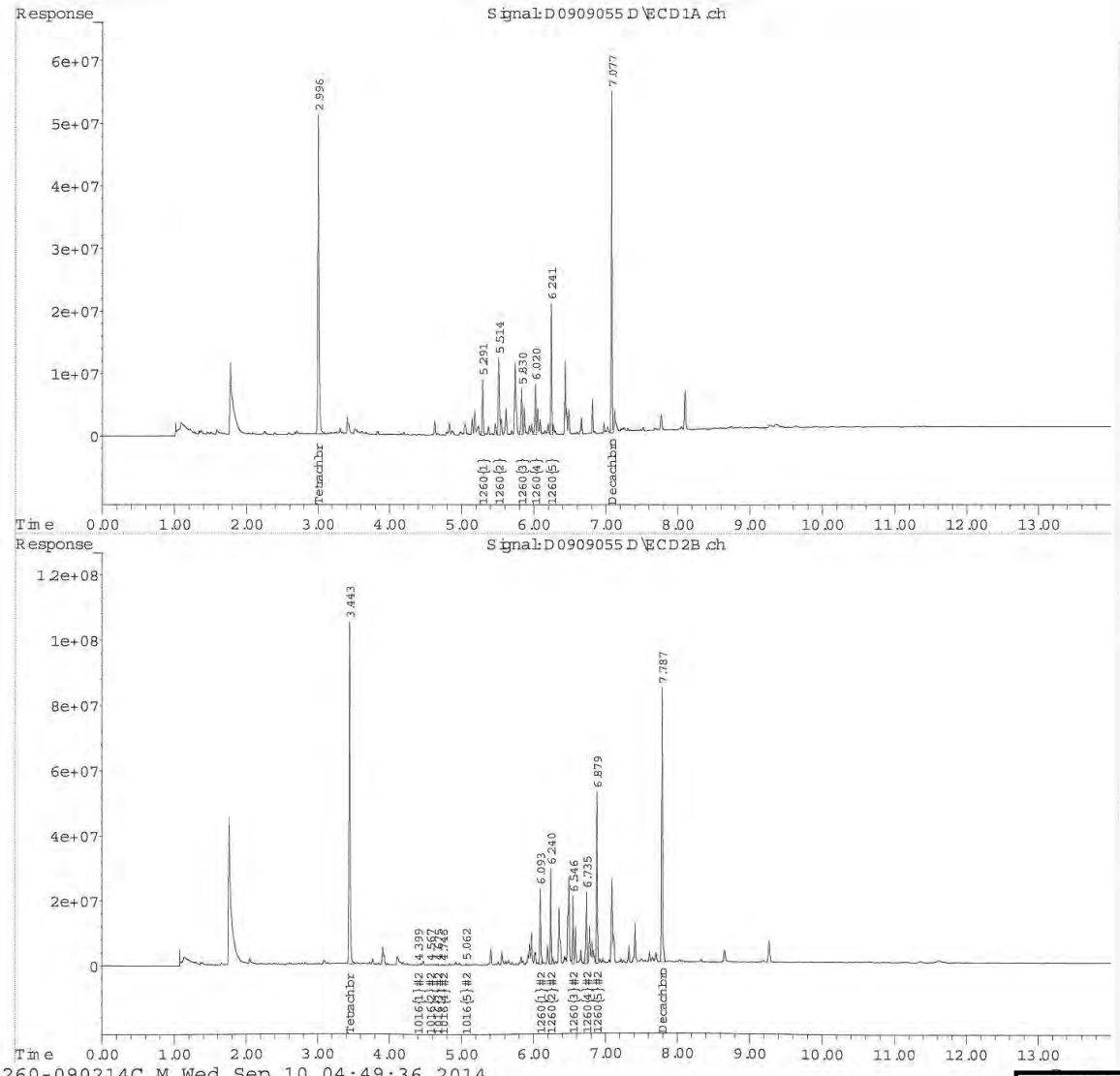
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\090914\
Data File : D0909055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Sep 2014 11:51 pm
Operator : JMB
Sample : 14I0111-03@2X TBA Inst : ECD 4
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Sep 10 04:49:33 2014
Quant Method : C:\msdchem\1\METHODS\pcb methods\4-1260-090214C.M
DataAcq Meth:PCBLONG.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 16:07:47 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



4-1260-090214C.M Wed Sep 10 04:49:36 2014

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Sterling Analytical, Inc.
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Mass Certification - MA-00071
Conn Certification - PH-0520

Visit our website: www.sterlinganalytical.com

Report Date September 9, 2014

Customer	Contact	Laboratory Supervisor	eMail
Con-test	L. Kopyscinski	Madhu Shah	madhu@sterlinganalytical.com

Sample Description
Analysis of Solid Samples

Samples Analyzed

Enclosed are Report No(s): 46697 to 46708

Reported on dry basis.

Thank you for your business

Madhu Shah, Laboratory Supervisor — Date

ALL the information contained in this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method.
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Sample Analysis

Work Order 14-1393

Sample	Description	Source	Taken/Time	Received
46697	14I0111-01	Con-test	9/3/14	9/4/14

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Total Organic Carbon	3,460	mg/kg	100.00	SW 846 9060 Mod (1)	09/05/14	sjr

Sample	Description	Source	Taken/Time	Received
46698	14I0111-02	Con-test	9/3/14	9/4/14

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Total Organic Carbon	4,340	mg/kg	100.00	SW 846 9060 Mod (1)	09/05/14	sjr

Sample	Description	Source	Taken/Time	Received
46699	14I0111-03	Con-test	9/3/14	9/4/14

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Total Organic Carbon	6,050	mg/kg	100.00	SW 846 9060 Mod (1)	09/05/14	sjr

Sample	Description	Source	Taken/Time	Received
46700	14I0111-04	Con-test	9/3/14	9/4/14

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Total Organic Carbon	5,360	mg/kg	100.00	SW 846 9060 Mod (1)	09/05/14	sjr

Sample	Description	Source	Taken/Time	Received
46701	14I0111-05	Con-test	9/3/14	9/4/14

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Total Organic Carbon	13,840	mg/kg	100.00	SW 846 9060 Mod (1)	09/05/14	sjr

Sample	Description	Source	Taken/Time	Received
46702	14I0111-06	Con-test	9/3/14	9/4/14

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Total Organic Carbon	2,470	mg/kg	100.00	SW 846 9060 Mod (1)	09/05/14	sjr

Sample	Description	Source	Taken/Time	Received
46703	14I0111-07	Con-test	9/3/14	9/4/14

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Total Organic Carbon	1,710	mg/kg	100.00	SW 846 9060 Mod (1)	09/05/14	sjr

Sample	Description	Source	Taken/Time	Received
46704	14I0111-08	Con-test	9/3/14	9/4/14

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Total Organic Carbon	1,510	mg/kg	100.00	SW 846 9060 Mod (1)	09/05/14	sjr

Sample	Description	Source	Taken/Time	Received
46705	14I0111-09	Con-test	9/3/14	9/4/14

Parameter	Results		MDL	Method	Analyzed/Time	Tech
Total Organic Carbon	5,870	mg/kg	100.00	SW 846 9060 Mod (1)	09/08/14	sjr

(1) MA & CT do not certify this parameter

Sterling Analytical, Inc.

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Sample Analysis

Work Order 14-1393

Sample	Description	Source			Taken/Time	Received	
46706	1410111-10	Con-test			9/3/14	9/4/14	
Parameter		**Results**		**MDL**	**Method**	**Analyzed/Time**	**Tech**
Total Organic Carbon		6,300	mg/kg	100.00	SW 846 9060 Mod (1)	09/08/14	sjr

Sample	Description	Source			Taken/Time	Received	
46707	1410111-11	Con-test			9/3/14	9/4/14	
Parameter		**Results**		**MDL**	**Method**	**Analyzed/Time**	**Tech**
Total Organic Carbon		5,820	mg/kg	100.00	SW 846 9060 Mod (1)	09/08/14	sjr

Sample	Description	Source			Taken/Time	Received	
46708	1410111-12	Con-test			9/3/14	9/4/14	
Parameter		**Results**		**MDL**	**Method**	**Analyzed/Time**	**Tech**
Total Organic Carbon		5,100	mg/kg	100.00	SW 846 9060 Mod (1)	09/08/14	sjr

(1) MA & CT do not certify this parameter

Sterling Analytical, Inc.

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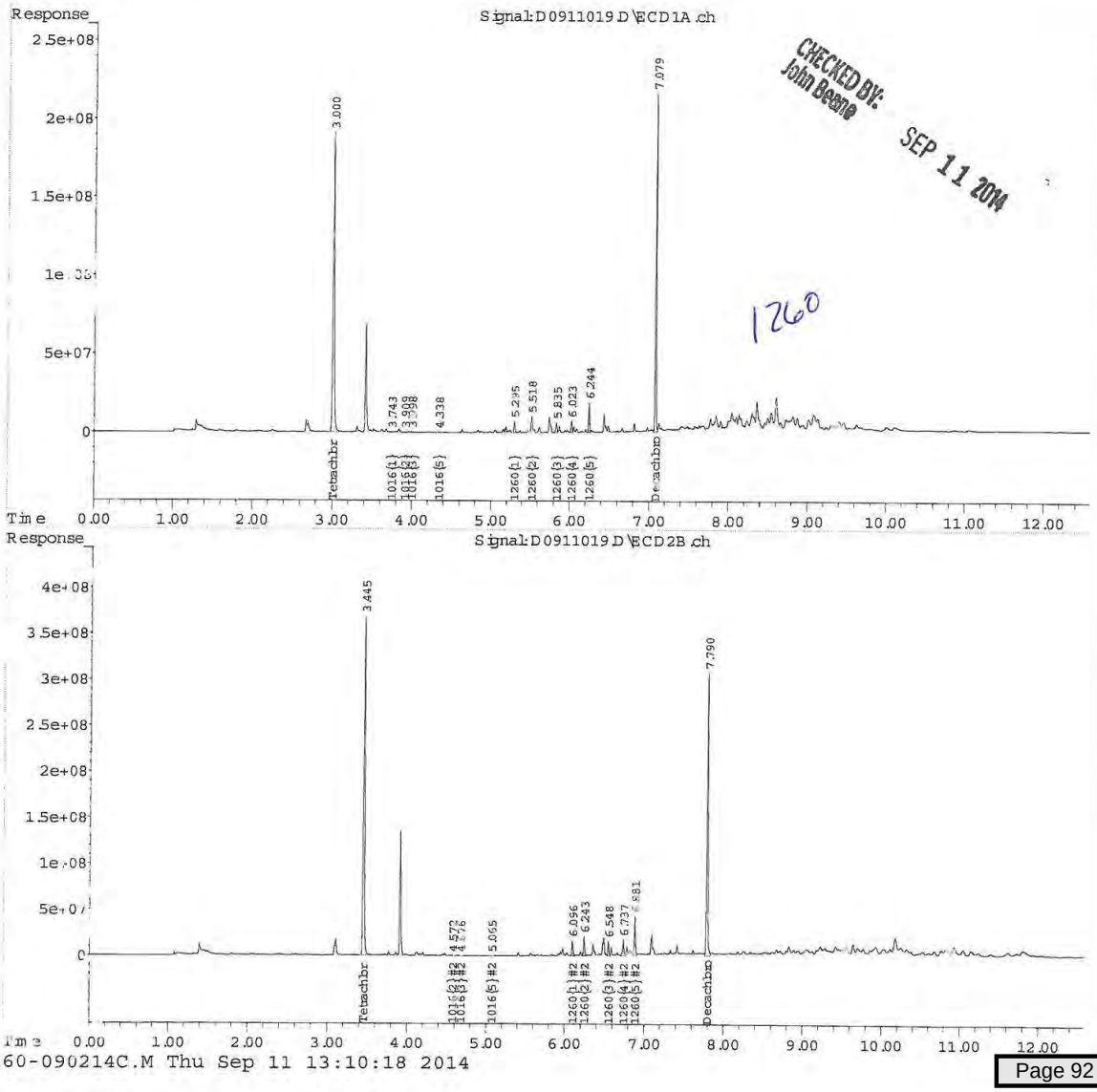
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091114\
Data File : D0911019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2014 12:45 pm
Operator : JMB
Sample : 14I0111-05RE1@5X TBA Inst : ECD 4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Sep 11 12:59:05 2014
Quant Method : C:\msdchem\1\METHODS\pcb methods\4-1260-090214C.M
DataAcq Meth:PCBLONG.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 16:07:47 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



4-1260-090214C.M Thu Sep 11 13:10:18 2014

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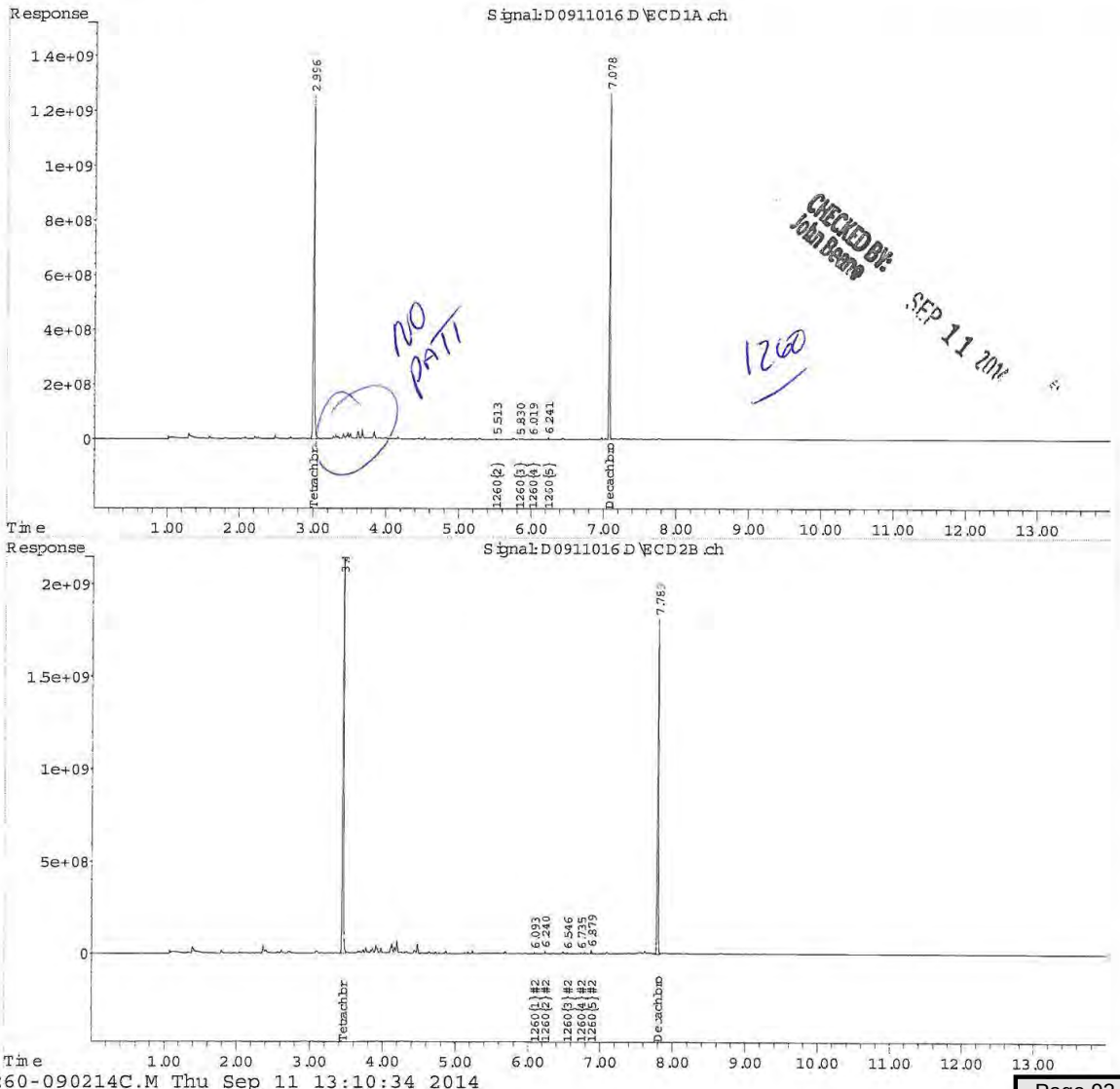
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091114\
Data File : D0911016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2014 11:52 am
Operator : JMB
Sample : 14I0111-06RE1@TBA Inst : ECD 4
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Sep 11 12:45:33 2014
Quant Method : C:\msdchem\1\METHODS\pcb methods\4-1260-090214C.M
DataAcq Meth:PCBLONG.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 16:07:47 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



4-1260-090214C.M Thu Sep 11 13:10:34 2014

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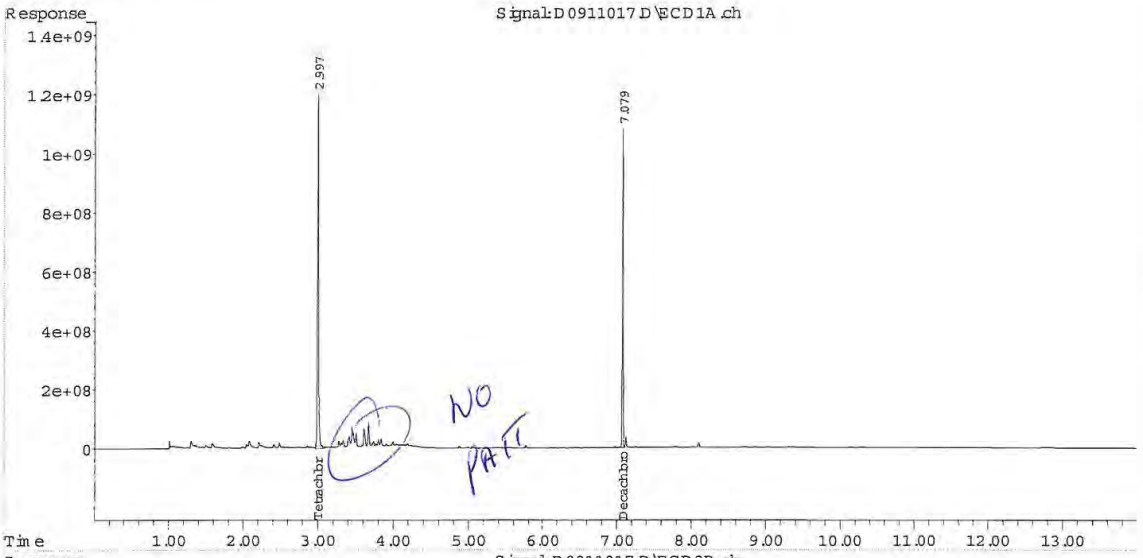
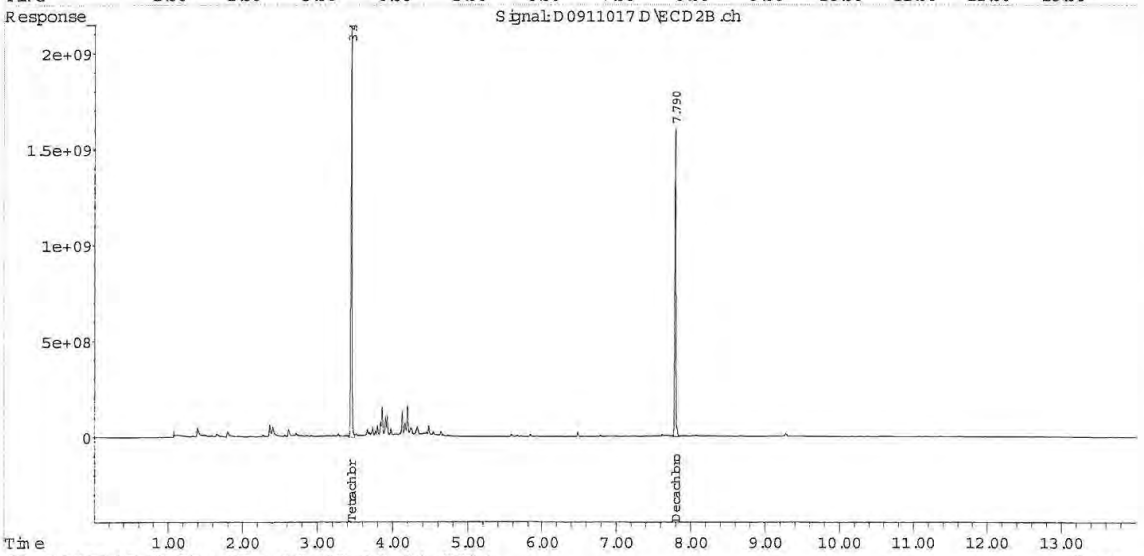
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091114\
Data File : D0911017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2014 12:09 pm
Operator : JMB
Sample : 14I0111-10RE1@TBA Inst : ECD 4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Sep 11 12:51:40 2014
Quant Method : C:\msdchem\1\METHODS\pcb methods\4-1260-090214C.M
DataAcq Meth:PCBLONG.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 16:07:47 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





4-1260-090214C.M Thu Sep 11 13:10:44 2014

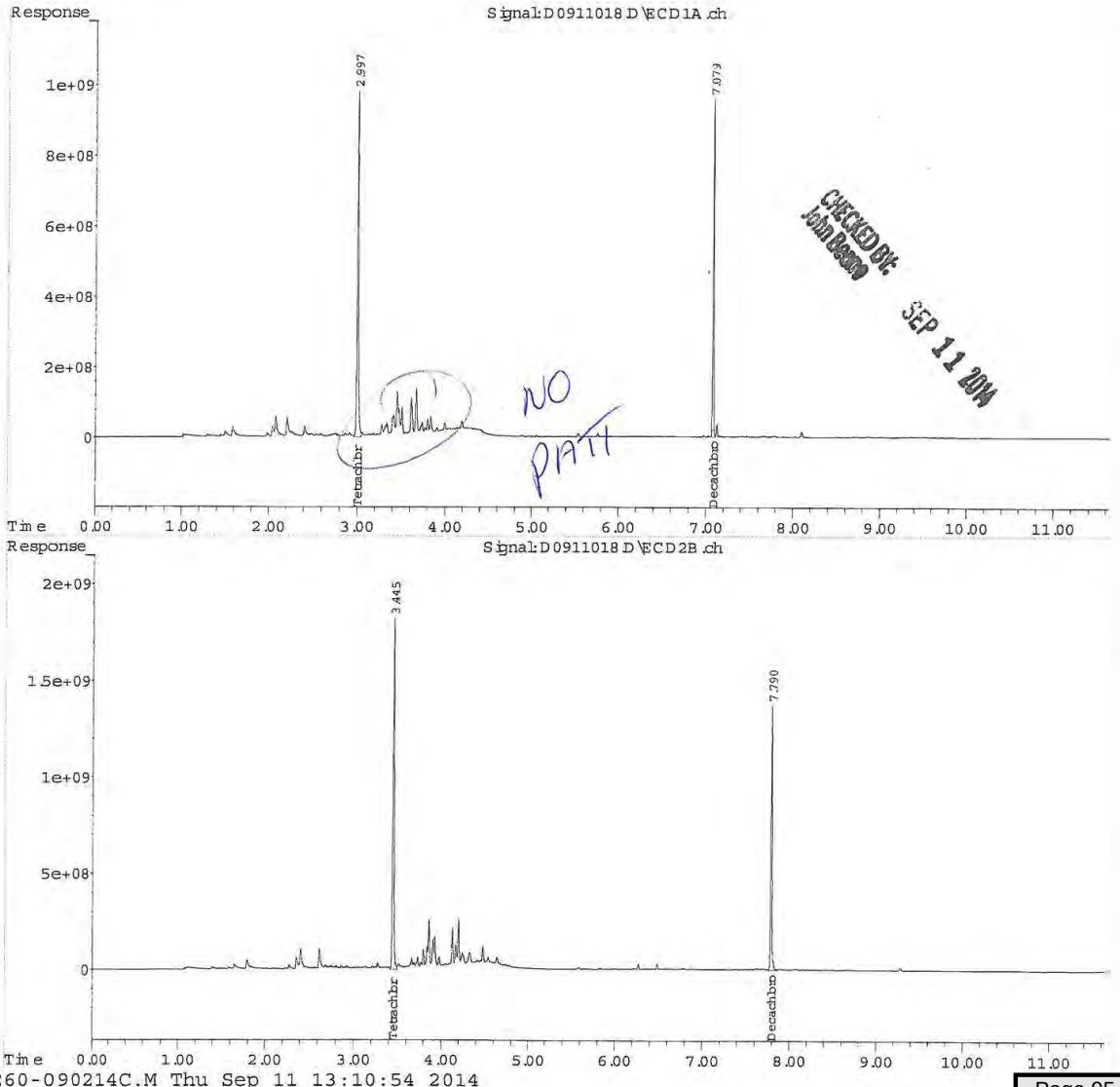
Table of Contents

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091114\
Data File : D0911018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2014 12:27 pm
Operator : JMB
Sample : 14I0111-11RE1@TBA Inst : ECD 4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Sep 11 12:53:34 2014
Quant Method : C:\msdchem\1\METHODS\pcb methods\4-1260-090214C.M
DataAcq Meth:PCBLONG.M
Quant Title : 1260/1016 09/02/14 07/29/14
QLast Update : Tue Sep 02 16:07:47 2014
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

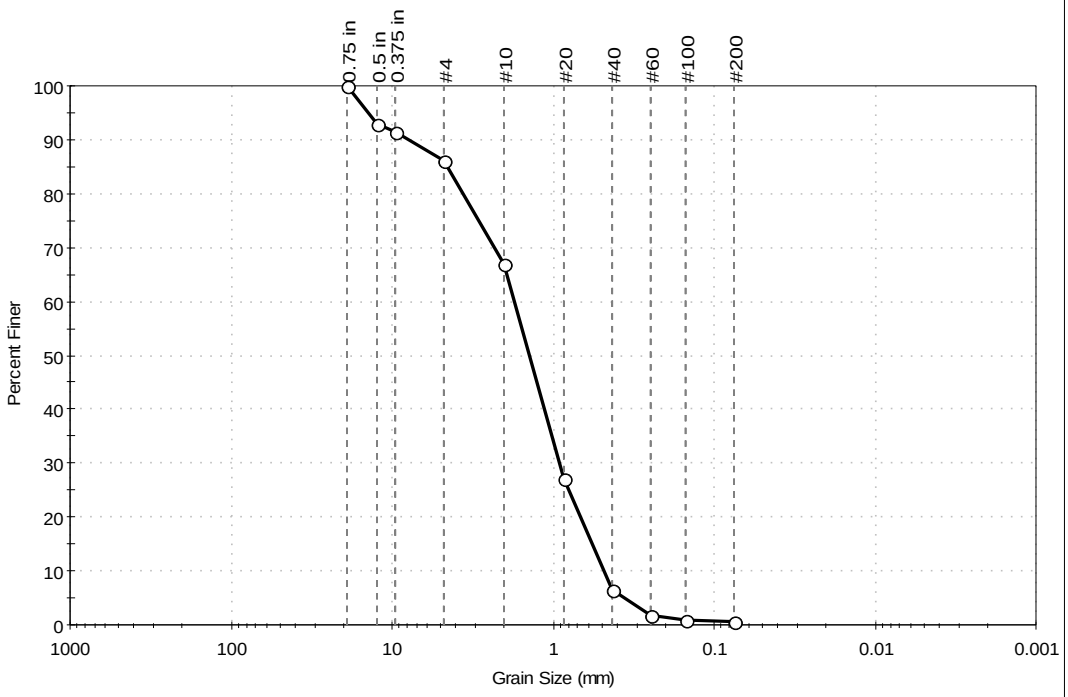


4-1260-090214C.M Thu Sep 11 13:10:54 2014

Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-01	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307733		
Test Comment:	---				
Sample Description:	Wet, brown sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
---	14.0	85.5	0.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	93		
0.375 in	9.50	91		
#4	4.75	86		
#10	2.00	67		
#20	0.85	27		
#40	0.42	7		
#60	0.25	2		
#100	0.15	1		
#200	0.075	0.5		

Coefficients

D_{85} = 4.5310 mm D_{30} = 0.9020 mm
D_{60} = 1.7257 mm D_{15} = 0.5635 mm
D_{50} = 1.3901 mm D_{10} = 0.4765 mm
C_u = 3.622 C_c = 0.989

Classification

ASTM: Poorly graded sand (SP)

AASHTO: Stone Fragments, Gravel and Sand (A-1-b (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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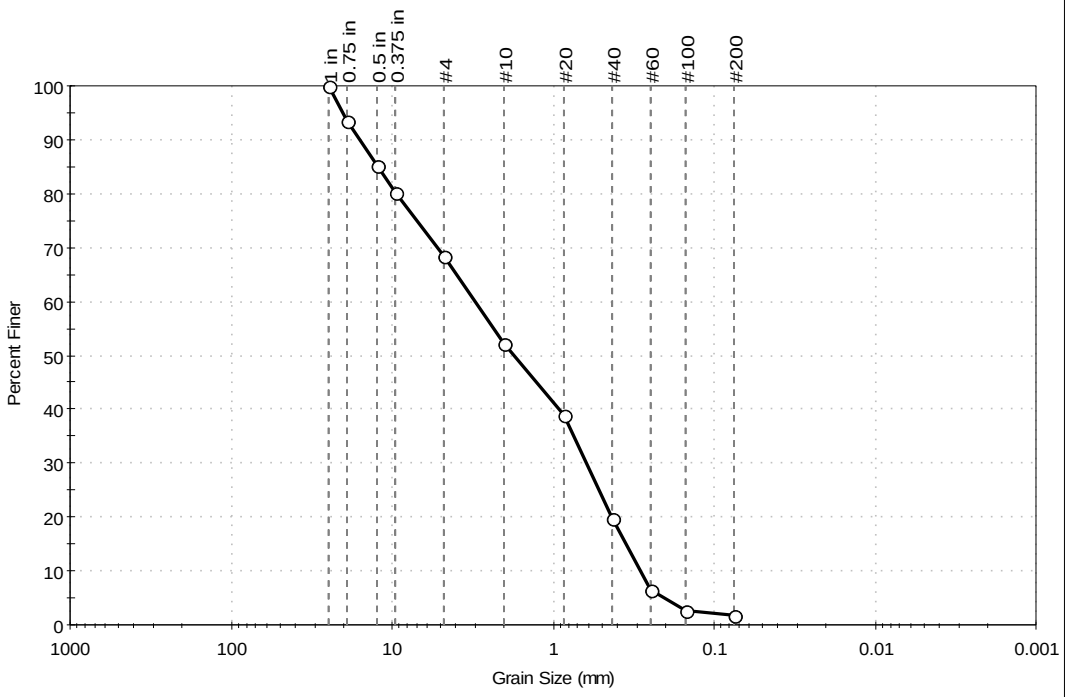
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-02	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307734		
Test Comment:	---				
Sample Description:	Moist, brown sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



%Cobble	%Gravel	%Sand	%Silt & Clay Size
---	31.6	66.8	1.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	94		
0.5 in	12.50	85		
0.375 in	9.50	80		
#4	4.75	68		
#10	2.00	52		
#20	0.85	39		
#40	0.42	20		
#60	0.25	6		
#100	0.15	3		
#200	0.075	1.6		

Coefficients

D_{85} =12.2886 mm D_{30} =0.6149 mm
D_{60} =3.0386 mm D_{15} =0.3523 mm
D_{50} =1.7433 mm D_{10} =0.2884 mm
C_u =10.536 C_c =0.431

Classification

ASTM Poorly graded sand with gravel (SP)

AASHTO Stone Fragments, Gravel and Sand (A-1-b (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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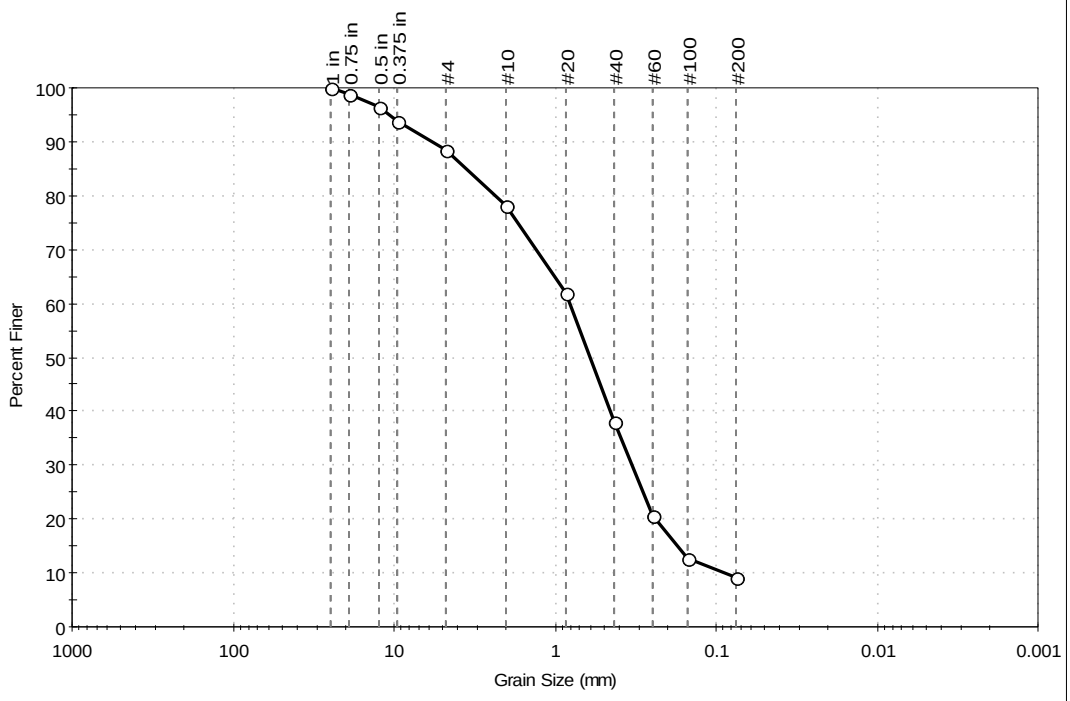
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-03	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307735		
Test Comment:	---				
Sample Description:	Wet, brown sand with silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	11.6	79.3	9.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	99		
0.5 in	12.50	97		
0.375 in	9.50	94		
#4	4.75	88		
#10	2.00	78		
#20	0.85	62		
#40	0.42	38		
#60	0.25	21		
#100	0.15	13		
#200	0.075	9.1		

Coefficients

D_{85} = 3.5762 mm D_{30} = 0.3325 mm
D_{60} = 0.8007 mm D_{15} = 0.1746 mm
D_{50} = 0.5993 mm D_{10} = 0.0897 mm
C_u = 8.926 C_c = 1.539

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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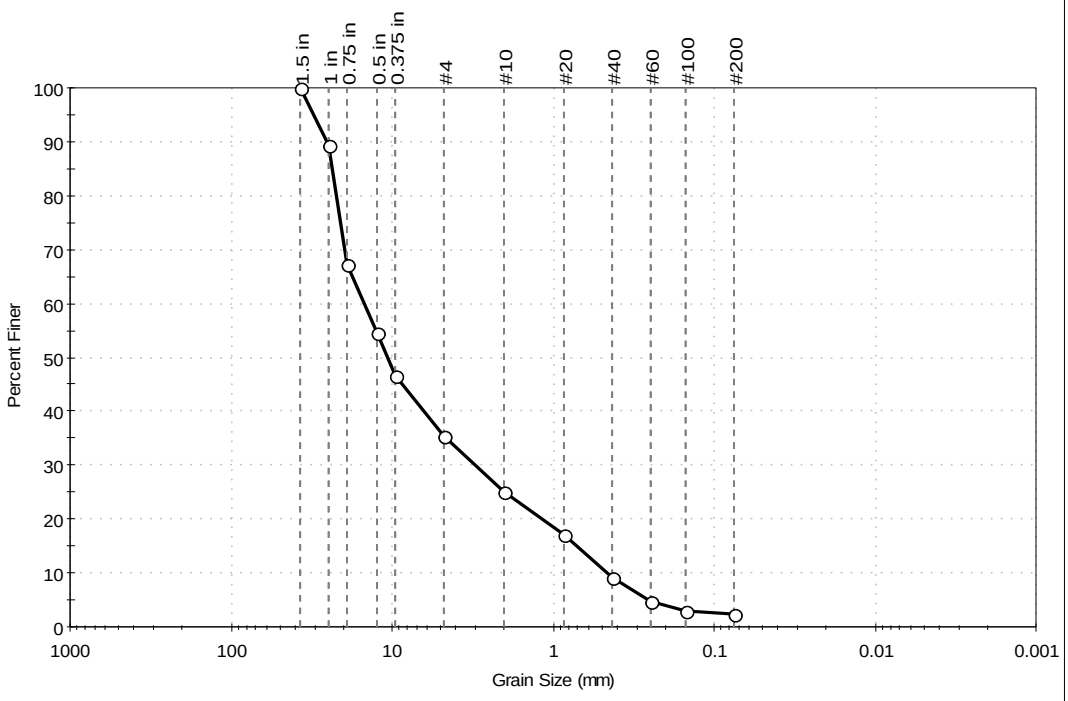
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-04	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307736		
Test Comment:	---				
Sample Description:	Moist, reddish brown gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	64.6	33.1	2.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1.5 in	37.50	100		
1 in	25.00	89		
0.75 in	19.00	67		
0.5 in	12.50	55		
0.375 in	9.50	47		
#4	4.75	35		
#10	2.00	25		
#20	0.85	17		
#40	0.42	9		
#60	0.25	5		
#100	0.15	3		
#200	0.075	2.3		

Coefficients

D_{85} = 23.6675 mm	D_{30} = 3.0361 mm
D_{60} = 14.8983 mm	D_{15} = 0.7069 mm
D_{50} = 10.6736 mm	D_{10} = 0.4565 mm
C_u = 32.636	C_c = 1.355

Classification

ASTM: Well-graded gravel with sand (GW)

AASHTO: Stone Fragments, Gravel and Sand (A-1-a (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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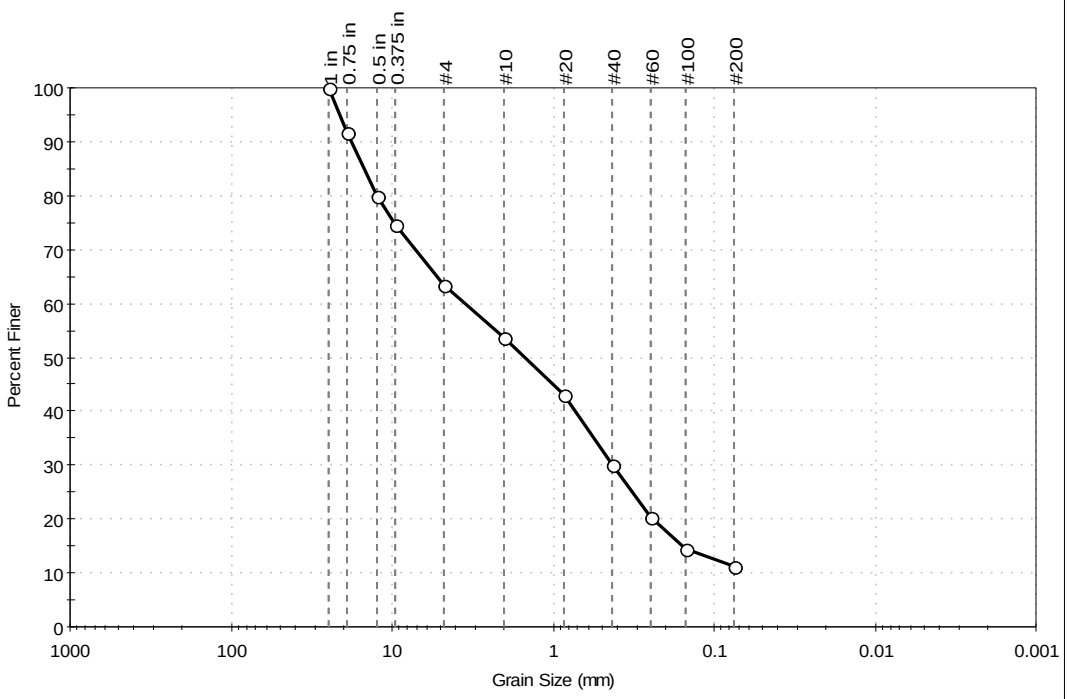
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-05	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307737		
Test Comment:	---				
Sample Description:	Wet, reddish brown sand with silt and gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	36.7	52.0	11.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	92		
0.5 in	12.50	80		
0.375 in	9.50	75		
#4	4.75	63		
#10	2.00	54		
#20	0.85	43		
#40	0.42	30		
#60	0.25	20		
#100	0.15	14		
#200	0.075	11		

Coefficients

D_{85} = 14.9966 mm D_{30} = 0.4226 mm
D_{60} = 3.5154 mm D_{15} = 0.1569 mm
D_{50} = 1.4720 mm D_{10} = 0.0571 mm
C_u = 61.566 C_c = 0.890

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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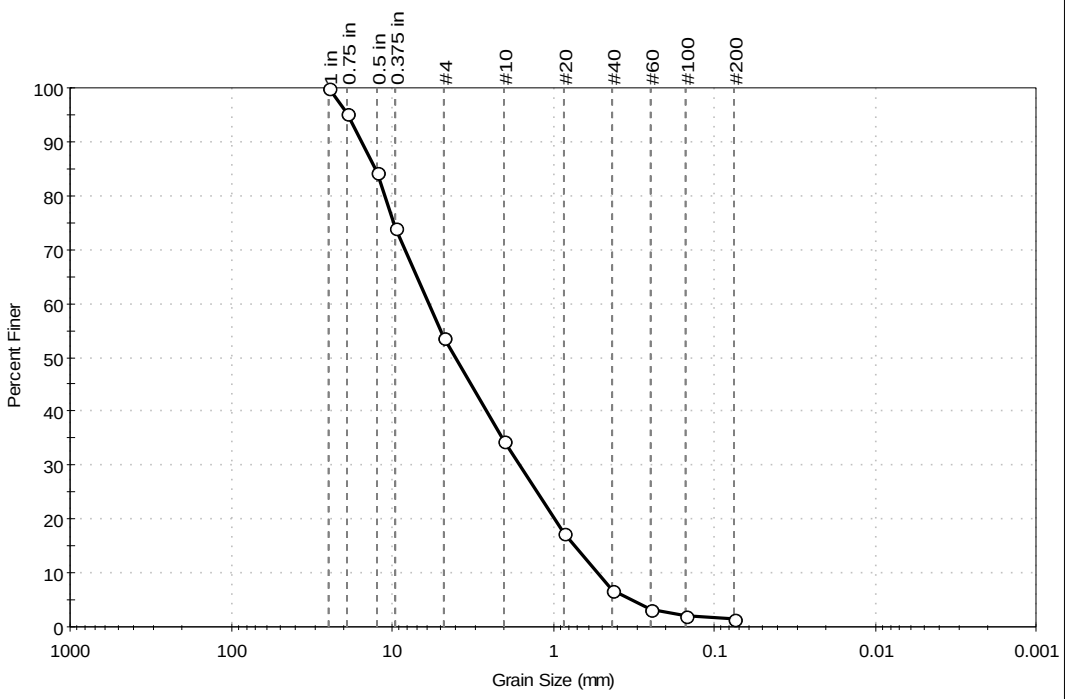
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-06	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307738		
Test Comment:	---				
Sample Description:	Wet, brown sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	46.5	52.0	1.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	95		
0.5 in	12.50	84		
0.375 in	9.50	74		
#4	4.75	54		
#10	2.00	35		
#20	0.85	17		
#40	0.42	7		
#60	0.25	3		
#100	0.15	2		
#200	0.075	1.5		

Coefficients

D_{85} = 12.8079 mm D_{30} = 1.5917 mm
D_{60} = 5.9027 mm D_{15} = 0.7311 mm
D_{50} = 4.0397 mm D_{10} = 0.5269 mm
C_u = 11.203 C_c = 0.815

Classification

ASTM: Poorly graded sand with gravel (SP)

AASHTO: Stone Fragments, Gravel and Sand (A-1-a (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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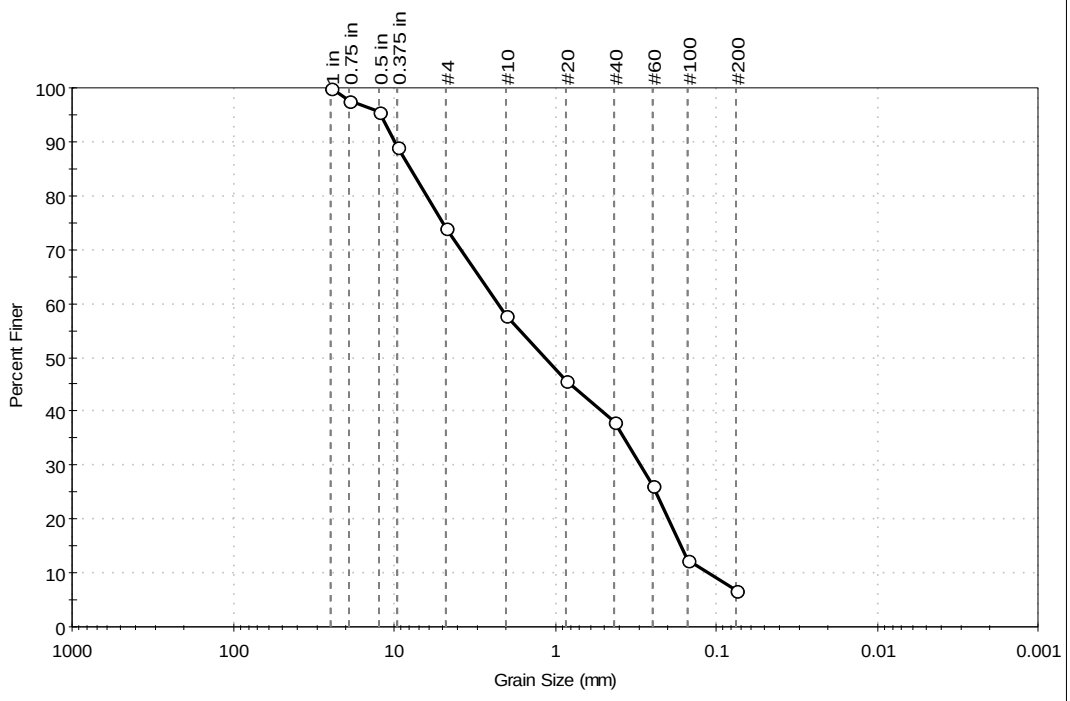
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-07	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307739		
Test Comment:	---				
Sample Description:	Wet, reddish brown sand with silt and gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	25.9	67.2	6.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	98		
0.5 in	12.50	96		
0.375 in	9.50	89		
#4	4.75	74		
#10	2.00	58		
#20	0.85	46		
#40	0.42	38		
#60	0.25	26		
#100	0.15	12		
#200	0.075	6.9		

Coefficients

D_{85} = 7.8549 mm D_{30} = 0.2954 mm
D_{60} = 2.2556 mm D_{15} = 0.1649 mm
D_{50} = 1.1607 mm D_{10} = 0.1107 mm
C_u = 20.376 C_c = 0.349

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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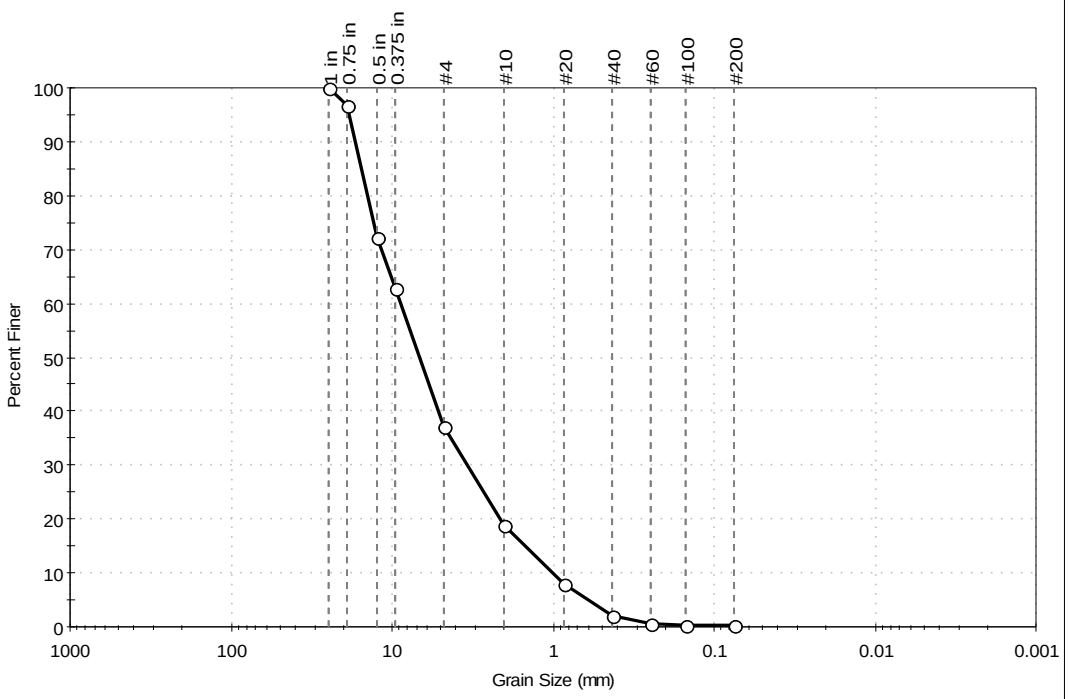
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-08	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307740		
Test Comment:	---				
Sample Description:	Moist, brown gravel with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	62.8	36.9	0.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	97		
0.5 in	12.50	72		
0.375 in	9.50	63		
#4	4.75	37		
#10	2.00	19		
#20	0.85	8		
#40	0.42	2		
#60	0.25	1		
#100	0.15	0		
#200	0.075	0.3		

Coefficients

D_{85} = 15.5610 mm D_{30} = 3.3921 mm
D_{60} = 8.7704 mm D_{15} = 1.4907 mm
D_{50} = 6.7047 mm D_{10} = 1.0079 mm
C_u = 8.702 C_c = 1.302

Classification

ASTM: Well-graded gravel with sand (GW)

AASHTO: Stone Fragments, Gravel and Sand (A-1-a (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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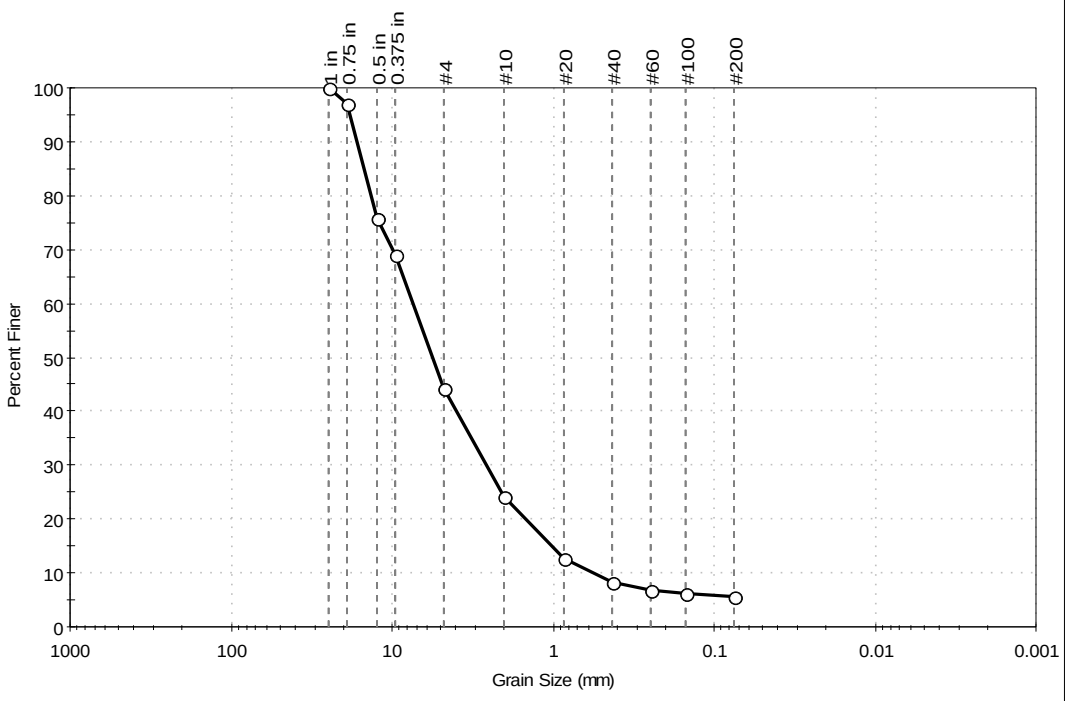
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-09	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307741		
Test Comment:	---				
Sample Description:	Moist, reddish brown gravel with silt and sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	55.7	38.8	5.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	97		
0.5 in	12.50	76		
0.375 in	9.50	69		
#4	4.75	44		
#10	2.00	24		
#20	0.85	13		
#40	0.42	8		
#60	0.25	7		
#100	0.15	6		
#200	0.075	5.5		

Coefficients

D_{85} = 14.9745 mm D_{30} = 2.5608 mm
D_{60} = 7.3929 mm D_{15} = 1.0127 mm
D_{50} = 5.5751 mm D_{10} = 0.5581 mm
C_u = 13.247 C_c = 1.589

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-a (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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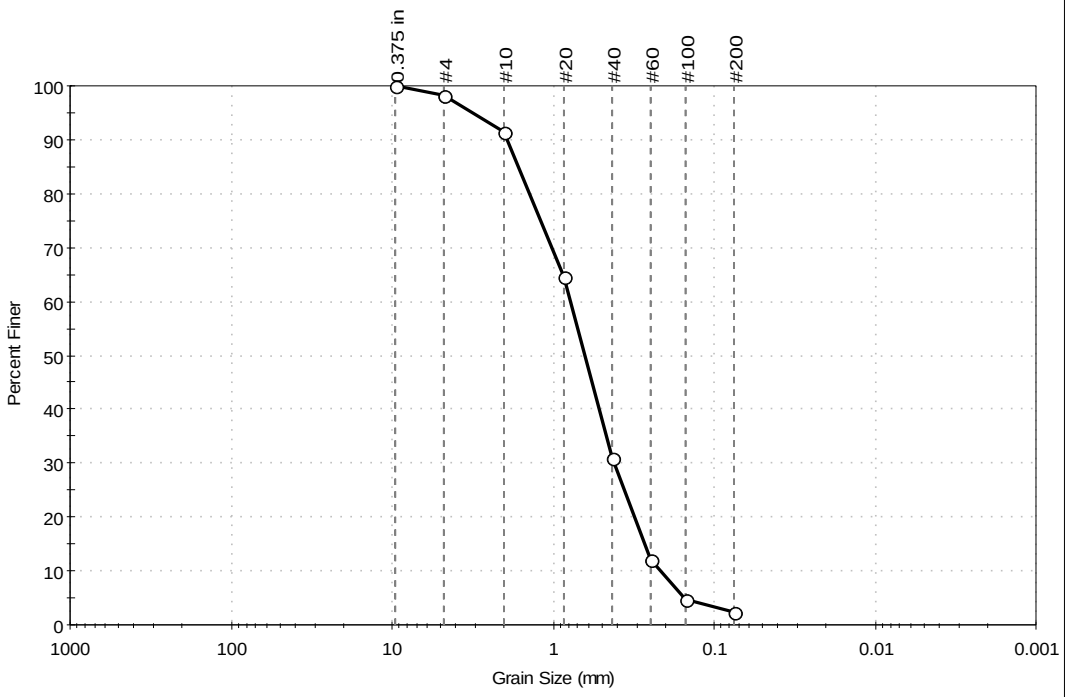
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-10	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307742		
Test Comment:	---				
Sample Description:	Moist, dark brown sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	1.9	95.8	2.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	98		
#10	2.00	91		
#20	0.85	65		
#40	0.42	31		
#60	0.25	12		
#100	0.15	5		
#200	0.075	2.3		

Coefficients

D_{85} = 1.6258 mm D_{30} = 0.4147 mm
D_{60} = 0.7720 mm D_{15} = 0.2708 mm
D_{50} = 0.6290 mm D_{10} = 0.2157 mm
C_u = 3.579 C_c = 1.033

Classification

ASTM: Poorly graded sand (SP)

AASHTO: Stone Fragments, Gravel and Sand (A-1-b (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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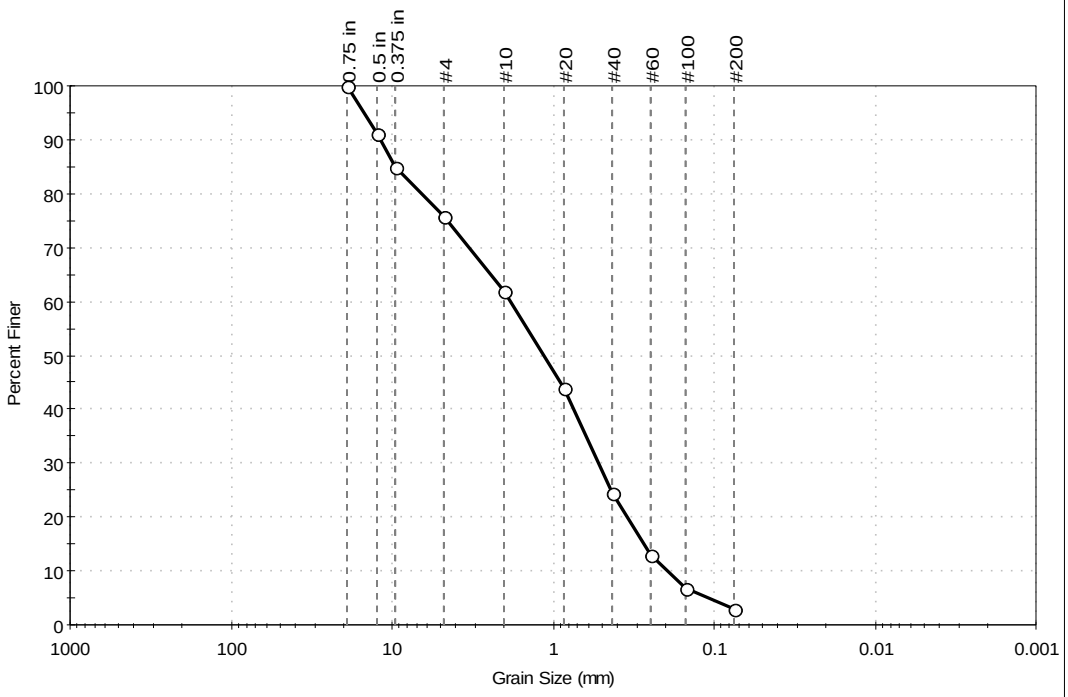
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-11	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307743		
Test Comment:	---				
Sample Description:	Moist, grayish brown sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	24.1	72.9	3.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	91		
0.375 in	9.50	85		
#4	4.75	76		
#10	2.00	62		
#20	0.85	44		
#40	0.42	24		
#60	0.25	13		
#100	0.15	7		
#200	0.075	3.0		

Coefficients

D_{85} = 9.5136 mm D_{30} = 0.5180 mm
D_{60} = 1.8127 mm D_{15} = 0.2757 mm
D_{50} = 1.1267 mm D_{10} = 0.1971 mm
C_u = 9.197 C_c = 0.751

Classification

ASTM: Poorly graded sand with gravel (SP)

AASHTO: Stone Fragments, Gravel and Sand (A-1-b (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

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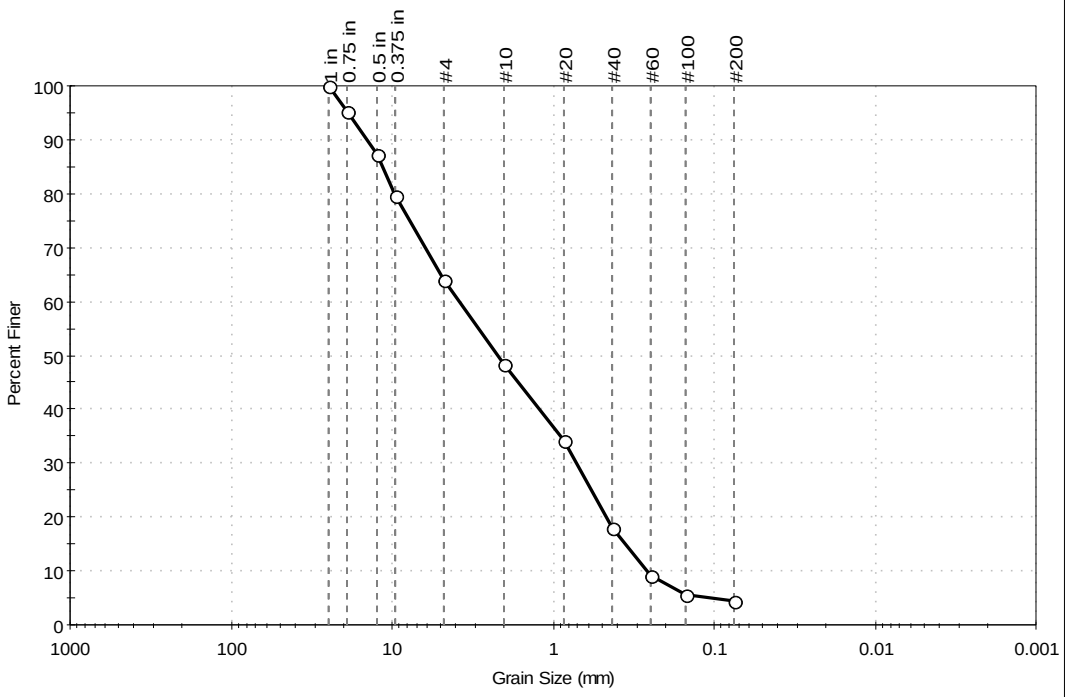
Table of Contents

Client:	Con-Test Analytical Lab				
Project:	14I0111				
Location:	---			Project No:	GTX-302283
Boring ID:	---	Sample Type:	jar	Tested By:	jbr
Sample ID:	14I0111-12	Test Date:	09/10/14	Checked By:	jdt
Depth :	---	Test Id:	307744		
Test Comment:	---				
Sample Description:	Moist, brown sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D422



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	35.9	59.8	4.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	95		
0.5 in	12.50	87		
0.375 in	9.50	80		
#4	4.75	64		
#10	2.00	48		
#20	0.85	34		
#40	0.42	18		
#60	0.25	9		
#100	0.15	6		
#200	0.075	4.3		

Coefficients

D_{85} = 11.4972 mm D_{30} = 0.7085 mm
D_{60} = 3.7879 mm D_{15} = 0.3537 mm
D_{50} = 2.1850 mm D_{10} = 0.2631 mm
C_u = 14.397 C_c = 0.504

Classification

ASTM: Poorly graded sand with gravel (SP)

AASHTO: Stone Fragments, Gravel and Sand (A-1-a (1))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED

Sand/Gravel Hardness : HARD

printed 9/11/2014 12:10:28 PM

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond

Project Number: 14I0111

Laboratory Sample ID(s):

14I0111-01 thru 14I0111-12

Sample Date(s):

09/03/2014

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature: Tod Kopyscinski **Position:** **Laboratory Director**

Printed Name: **Tod E. Kopyscinski** **Date:** **09/11/14**

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

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

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

May 19, 2015

Jeff Willson - Weston Sampson
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: 2110618A
Laboratory Work Order Number: 15E0415

Enclosed are results of analyses for samples received by the laboratory on May 11, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Jeff Willson - Weston Sampsc

REPORT DATE: 5/19/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: 2110618A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0415

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EB-300	15E0415-01	Equipment Blank Water		SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

S-17

Surrogate recovery is outside of control limits. Data validation is not affected since all associated results are less than the reporting limit and bias is on the high side.

Analyte & Samples(s) Qualified:

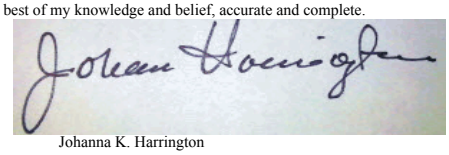
Decachlorobiphenyl
15E0415-01[EB-300]

Decachlorobiphenyl [2C]
15E0415-01[EB-300]

Tetrachloro-m-xylene
15E0415-01[EB-300]

Tetrachloro-m-xylene [2C]
15E0415-01[EB-300]

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

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0415

Date Received: 5/11/2015

Field Sample #: EB-300 Sampled: 5/11/2015 15:00

Sample ID: 15E0415-01

Sample Matrix: Equipment Blank 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	5/18/15 13:28	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/18/15 13:28	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/18/15 13:28	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/18/15 13:28	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/18/15 13:28	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/18/15 13:28	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/18/15 13:28	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/18/15 13:28	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/13/15	5/18/15 13:28	KAL

Surrogates	% Recovery		Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	**177**	*	30-150	S-17		5/18/15 13:28
Decachlorobiphenyl [2]	**168**	*	30-150	S-17		5/18/15 13:28
Tetrachloro-m-xylene [1]	**206**	*	30-150	S-17		5/18/15 13:28
Tetrachloro-m-xylene [2]	**218**	*	30-150	S-17		5/18/15 13:28

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con-test® ANALYTICAL LABORATORY
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Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0415-01 [EB-300]	B121593	1000	10.0	05/13/15

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con-test® ANALYTICAL LABORATORY
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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										
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			
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			

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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

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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

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	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.
S-17	Surrogate recovery is outside of control limits. Data validation is not affected since all associated results are less than the reporting limit and bias is on the high side.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
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

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 Publilc 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

con-test® ANALYTICAL LABORATORY
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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0415

Company Name: Weston and Sampson (for NUSCO)
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Attention: Jeff Willson / Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Telephone: 860 513-1473
Project # 860 513-1483
Client PO# 02274021 Release 00005

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples
01	EB-300	5/11/15	1500		X	O	U	1	I	A	✓	✓	

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Equip Blank

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	5/11/15	Date/Time:
Received by: (signature)	5/11/15	Date/Time: 1547
Relinquished by: (signature)	5/11/15	Date/Time: 1640
Received by: (signature)	4.2 5/11/15	Date/Time: 1640

Turnaround ††
☐ 7-Day
☐ 10-Day
☑ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† 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 IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene
NELAC & AIHA Certified
WBE/DBE Certified

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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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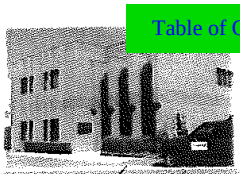
con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Sampson (NUSCO) **RECEIVED BY:** JDL **DATE:** 5/11/15

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 4.2
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	2	8 oz amber/clear jar	
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		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:
cannot do soxhlet extraction on water samples (KM)

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

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) T/F/NA	Comment
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 requsted 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	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JDL **Date/Time:** 5/11/15 1640

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0415

Laboratory Sample ID(s):

15E0415-01

Sample Date(s):

05/11/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **05/18/15**

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

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

May 18, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0432

Enclosed are results of analyses for samples received by the laboratory on May 11, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/18/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0432

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B137-1	15E0432-01	Soil		SM 2540G	
				SW-846 8082A	
B137-2	15E0432-02	Soil		SM 2540G	
				SW-846 8082A	
B136-1	15E0432-03	Soil		SM 2540G	
				SW-846 8082A	
B136-2	15E0432-04	Soil		SM 2540G	
				SW-846 8082A	
B135-1	15E0432-05	Soil		SM 2540G	
				SW-846 8082A	
B135-2	15E0432-06	Soil		SM 2540G	
				SW-846 8082A	
B134-1	15E0432-07	Soil		SM 2540G	
				SW-846 8082A	
B134-2	15E0432-08	Soil		SM 2540G	
				SW-846 8082A	
B133-1	15E0432-09	Soil		SM 2540G	
				SW-846 8082A	
B133-2	15E0432-10	Soil		SM 2540G	
				SW-846 8082A	
B174-1	15E0432-11	Soil		SM 2540G	
				SW-846 8082A	
B174-2	15E0432-12	Soil		SM 2540G	
				SW-846 8082A	
B131-1	15E0432-13	Soil		SM 2540G	
				SW-846 8082A	
B131-2	15E0432-14	Soil		SM 2540G	
				SW-846 8082A	
B132-1	15E0432-15	Soil		SM 2540G	
				SW-846 8082A	
B132-2	15E0432-16	Soil		SM 2540G	
				SW-846 8082A	
B175-1	15E0432-17	Soil		SM 2540G	
				SW-846 8082A	
B175-2	15E0432-18	Soil		SM 2540G	
				SW-846 8082A	
Dup-200	15E0432-19	Soil		SM 2540G	
				SW-846 8082A	
Dup-202	15E0432-20	Soil		SM 2540G	
				SW-846 8082A	

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

CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

MS-19

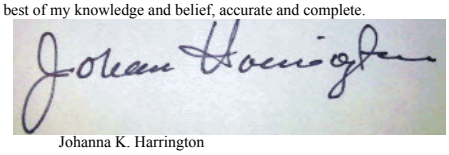
Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aroclor-1260
B121503-MS1

Aroclor-1260 [2C]
B121503-MS1

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

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B137-1 Sampled: 5/11/2015 11:00

Sample ID: 15E0432-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.65	mg/Kg dry	25		SW-846 8082A	5/12/15	5/15/15 9:25	KAL
Aroclor-1221 [1]	ND	0.65	mg/Kg dry	25		SW-846 8082A	5/12/15	5/15/15 9:25	KAL
Aroclor-1232 [1]	ND	0.65	mg/Kg dry	25		SW-846 8082A	5/12/15	5/15/15 9:25	KAL
Aroclor-1242 [1]	ND	0.65	mg/Kg dry	25		SW-846 8082A	5/12/15	5/15/15 9:25	KAL
Aroclor-1248 [1]	ND	0.65	mg/Kg dry	25		SW-846 8082A	5/12/15	5/15/15 9:25	KAL
Aroclor-1254 [1]	ND	0.65	mg/Kg dry	25		SW-846 8082A	5/12/15	5/15/15 9:25	KAL
Aroclor-1260 [2]	3.8	0.65	mg/Kg dry	25		SW-846 8082A	5/12/15	5/15/15 9:25	KAL
Aroclor-1262 [1]	ND	0.65	mg/Kg dry	25		SW-846 8082A	5/12/15	5/15/15 9:25	KAL
Aroclor-1268 [1]	ND	0.65	mg/Kg dry	25		SW-846 8082A	5/12/15	5/15/15 9:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		5/15/15 9:25
Decachlorobiphenyl [2]	97.0	30-150		5/15/15 9:25
Tetrachloro-m-xylene [1]	93.7	30-150		5/15/15 9:25
Tetrachloro-m-xylene [2]	89.3	30-150		5/15/15 9:25

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B137-1 Sampled: 5/11/2015 11:00

Sample ID: 15E0432-01

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	76.7		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B137-2 Sampled: 5/11/2015 11:02

Sample ID: 15E0432-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:41	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:41	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:41	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:41	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:41	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:41	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:41	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:41	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:41	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.7	30-150		5/14/15 18:41
Decachlorobiphenyl [2]	79.5	30-150		5/14/15 18:41
Tetrachloro-m-xylene [1]	76.4	30-150		5/14/15 18:41
Tetrachloro-m-xylene [2]	80.7	30-150		5/14/15 18:41

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B137-2 Sampled: 5/11/2015 11:02

Sample ID: 15E0432-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.7		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B136-1 Sampled: 5/11/2015 11:50

Sample ID: 15E0432-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:54	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:54	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:54	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:54	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:54	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:54	KAL
Aroclor-1260 [2]	0.59	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:54	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:54	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 18:54	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.5	30-150		5/14/15 18:54
Decachlorobiphenyl [2]	99.9	30-150		5/14/15 18:54
Tetrachloro-m-xylene [1]	87.6	30-150		5/14/15 18:54
Tetrachloro-m-xylene [2]	95.0	30-150		5/14/15 18:54

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B136-1 Sampled: 5/11/2015 11:50

Sample ID: 15E0432-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B136-2 Sampled: 5/11/2015 11:52

Sample ID: 15E0432-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 2:17	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 2:17	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 2:17	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 2:17	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 2:17	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 2:17	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 2:17	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 2:17	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 2:17	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		5/15/15 2:17
Decachlorobiphenyl [2]	111	30-150		5/15/15 2:17
Tetrachloro-m-xylene [1]	94.3	30-150		5/15/15 2:17
Tetrachloro-m-xylene [2]	101	30-150		5/15/15 2:17

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B136-2 Sampled: 5/11/2015 11:52

Sample ID: 15E0432-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B135-1 Sampled: 5/11/2015 12:10

Sample ID: 15E0432-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:07	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:07	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:07	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:07	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:07	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:07	KAL
Aroclor-1260 [2]	0.15	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:07	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:07	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:07	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.0	30-150		5/14/15 19:07
Decachlorobiphenyl [2]	83.5	30-150		5/14/15 19:07
Tetrachloro-m-xylene [1]	78.0	30-150		5/14/15 19:07
Tetrachloro-m-xylene [2]	83.4	30-150		5/14/15 19:07

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B135-1 Sampled: 5/11/2015 12:10

Sample ID: 15E0432-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B135-2 Sampled: 5/11/2015 12:12

Sample ID: 15E0432-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:19	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:19	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:19	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:19	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:19	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:19	KAL
Aroclor-1260 [2]	0.49	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:19	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:19	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	70.2	30-150				5/14/15 19:19	
Decachlorobiphenyl [2]	75.6	30-150				5/14/15 19:19	
Tetrachloro-m-xylene [1]	76.0	30-150				5/14/15 19:19	
Tetrachloro-m-xylene [2]	79.4	30-150				5/14/15 19:19	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B135-2 Sampled: 5/11/2015 12:12

Sample ID: 15E0432-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B134-1 Sampled: 5/11/2015 12:40

Sample ID: 15E0432-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:32	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:32	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:32	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:32	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:32	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:32	KAL
Aroclor-1260 [2]	0.29	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:32	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:32	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.1	30-150		5/14/15 19:32
Decachlorobiphenyl [2]	102	30-150		5/14/15 19:32
Tetrachloro-m-xylene [1]	86.8	30-150		5/14/15 19:32
Tetrachloro-m-xylene [2]	92.6	30-150		5/14/15 19:32

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B134-1 Sampled: 5/11/2015 12:40

Sample ID: 15E0432-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.5		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B134-2 Sampled: 5/11/2015 12:42

Sample ID: 15E0432-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:56	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:56	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:56	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:56	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:56	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:56	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:56	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:56	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 19:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.5	30-150		5/14/15 19:56
Decachlorobiphenyl [2]	93.7	30-150		5/14/15 19:56
Tetrachloro-m-xylene [1]	81.9	30-150		5/14/15 19:56
Tetrachloro-m-xylene [2]	88.6	30-150		5/14/15 19:56

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B134-2 Sampled: 5/11/2015 12:42

Sample ID: 15E0432-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.7		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B133-1 Sampled: 5/11/2015 13:00

Sample ID: 15E0432-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:09	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:09	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:09	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:09	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:09	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:09	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:09	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:09	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.4	30-150		5/14/15 20:09
Decachlorobiphenyl [2]	84.6	30-150		5/14/15 20:09
Tetrachloro-m-xylene [1]	72.0	30-150		5/14/15 20:09
Tetrachloro-m-xylene [2]	77.0	30-150		5/14/15 20:09

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B133-1 Sampled: 5/11/2015 13:00

Sample ID: 15E0432-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B133-2 Sampled: 5/11/2015 13:02

Sample ID: 15E0432-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:21	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:21	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:21	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:21	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:21	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:21	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:21	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:21	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:21	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.8	30-150		5/14/15 20:21
Decachlorobiphenyl [2]	89.3	30-150		5/14/15 20:21
Tetrachloro-m-xylene [1]	81.8	30-150		5/14/15 20:21
Tetrachloro-m-xylene [2]	88.8	30-150		5/14/15 20:21

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B133-2 Sampled: 5/11/2015 13:02

Sample ID: 15E0432-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B174-1 Sampled: 5/11/2015 13:50

Sample ID: 15E0432-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:34	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:34	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:34	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:34	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:34	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:34	KAL
Aroclor-1260 [2]	0.23	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:34	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:34	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 20:34	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	60.8	30-150		5/14/15 20:34
Decachlorobiphenyl [2]	65.7	30-150		5/14/15 20:34
Tetrachloro-m-xylene [1]	70.8	30-150		5/14/15 20:34
Tetrachloro-m-xylene [2]	74.2	30-150		5/14/15 20:34

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B174-1 Sampled: 5/11/2015 13:50

Sample ID: 15E0432-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B174-2 Sampled: 5/11/2015 13:52

Sample ID: 15E0432-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:28	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:28	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:28	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:28	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:28	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:28	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:28	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:28	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:28	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.6	30-150		5/14/15 22:28
Decachlorobiphenyl [2]	106	30-150		5/14/15 22:28
Tetrachloro-m-xylene [1]	93.5	30-150		5/14/15 22:28
Tetrachloro-m-xylene [2]	103	30-150		5/14/15 22:28

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B174-2 Sampled: 5/11/2015 13:52

Sample ID: 15E0432-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.8		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B131-1 Sampled: 5/11/2015 14:00

Sample ID: 15E0432-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:41	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:41	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:41	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:41	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:41	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:41	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:41	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:41	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:41	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.0	30-150		5/14/15 22:41
Decachlorobiphenyl [2]	101	30-150		5/14/15 22:41
Tetrachloro-m-xylene [1]	89.9	30-150		5/14/15 22:41
Tetrachloro-m-xylene [2]	96.9	30-150		5/14/15 22:41

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B131-1 Sampled: 5/11/2015 14:00

Sample ID: 15E0432-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B131-2 Sampled: 5/11/2015 14:22

Sample ID: 15E0432-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:54	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:54	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:54	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:54	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:54	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:54	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:54	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:54	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 22:54	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.8	30-150		5/14/15 22:54
Decachlorobiphenyl [2]	105	30-150		5/14/15 22:54
Tetrachloro-m-xylene [1]	93.2	30-150		5/14/15 22:54
Tetrachloro-m-xylene [2]	104	30-150		5/14/15 22:54

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B131-2 Sampled: 5/11/2015 14:22

Sample ID: 15E0432-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B132-1 Sampled: 5/11/2015 14:40

Sample ID: 15E0432-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:06	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:06	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:06	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:06	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:06	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:06	KAL
Aroclor-1260 [2]	0.22	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:06	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:06	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.7	30-150		5/14/15 23:06
Decachlorobiphenyl [2]	107	30-150		5/14/15 23:06
Tetrachloro-m-xylene [1]	97.3	30-150		5/14/15 23:06
Tetrachloro-m-xylene [2]	108	30-150		5/14/15 23:06

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B132-1 Sampled: 5/11/2015 14:40

Sample ID: 15E0432-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.2		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B132-2 Sampled: 5/11/2015 14:42

Sample ID: 15E0432-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:19	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:19	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:19	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:19	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:19	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:19	KAL
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:19	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:19	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.4	30-150		5/14/15 23:19
Decachlorobiphenyl [2]	103	30-150		5/14/15 23:19
Tetrachloro-m-xylene [1]	93.2	30-150		5/14/15 23:19
Tetrachloro-m-xylene [2]	103	30-150		5/14/15 23:19

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B132-2 Sampled: 5/11/2015 14:42

Sample ID: 15E0432-16

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	72.8		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B175-1 Sampled: 5/11/2015 00:00

Sample ID: 15E0432-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:32	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:32	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:32	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:32	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:32	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:32	KAL
Aroclor-1260 [2]	1.2	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:32	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:32	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.0	30-150		5/14/15 23:32
Decachlorobiphenyl [2]	99.9	30-150		5/14/15 23:32
Tetrachloro-m-xylene [1]	91.8	30-150		5/14/15 23:32
Tetrachloro-m-xylene [2]	99.1	30-150		5/14/15 23:32

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B175-1 Sampled: 5/11/2015 00:00

Sample ID: 15E0432-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B175-2 Sampled: 5/11/2015 00:00

Sample ID: 15E0432-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:45	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:45	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:45	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:45	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:45	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:45	KAL
Aroclor-1260 [2]	0.37	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:45	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:45	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.2	30-150		5/14/15 23:45
Decachlorobiphenyl [2]	89.3	30-150		5/14/15 23:45
Tetrachloro-m-xylene [1]	80.5	30-150		5/14/15 23:45
Tetrachloro-m-xylene [2]	87.5	30-150		5/14/15 23:45

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: B175-2 Sampled: 5/11/2015 00:00

Sample ID: 15E0432-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: Dup-200 Sampled: 5/11/2015 00:00

Sample ID: 15E0432-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:57	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:57	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:57	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:57	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:57	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:57	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:57	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:57	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/12/15	5/14/15 23:57	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.6	30-150		5/14/15 23:57
Decachlorobiphenyl [2]	103	30-150		5/14/15 23:57
Tetrachloro-m-xylene [1]	97.0	30-150		5/14/15 23:57
Tetrachloro-m-xylene [2]	108	30-150		5/14/15 23:57

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: Dup-200 Sampled: 5/11/2015 00:00

Sample ID: 15E0432-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.1		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: Dup-202 Sampled: 5/11/2015 00:00

Sample ID: 15E0432-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/15/15 0:10	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/15/15 0:10	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/15/15 0:10	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/15/15 0:10	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/15/15 0:10	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/15/15 0:10	KAL
Aroclor-1260 [2]	0.29	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/15/15 0:10	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/15/15 0:10	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/12/15	5/15/15 0:10	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.1	30-150		5/15/15 0:10
Decachlorobiphenyl [2]	106	30-150		5/15/15 0:10
Tetrachloro-m-xylene [1]	95.1	30-150		5/15/15 0:10
Tetrachloro-m-xylene [2]	104	30-150		5/15/15 0:10

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0432

Date Received: 5/11/2015

Field Sample #: Dup-202 Sampled: 5/11/2015 00:00

Sample ID: 15E0432-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	5/13/15	5/14/15 9:55	MRL

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0432-01 [B137-1]	B121661	05/13/15
15E0432-02 [B137-2]	B121661	05/13/15
15E0432-03 [B136-1]	B121661	05/13/15
15E0432-04 [B136-2]	B121661	05/13/15
15E0432-05 [B135-1]	B121661	05/13/15
15E0432-06 [B135-2]	B121661	05/13/15
15E0432-07 [B134-1]	B121661	05/13/15
15E0432-08 [B134-2]	B121661	05/13/15
15E0432-09 [B133-1]	B121661	05/13/15
15E0432-10 [B133-2]	B121661	05/13/15
15E0432-11 [B174-1]	B121661	05/13/15
15E0432-12 [B174-2]	B121661	05/13/15
15E0432-13 [B131-1]	B121661	05/13/15
15E0432-14 [B131-2]	B121661	05/13/15
15E0432-15 [B132-1]	B121661	05/13/15
15E0432-16 [B132-2]	B121661	05/13/15
15E0432-17 [B175-1]	B121661	05/13/15
15E0432-18 [B175-2]	B121661	05/13/15
15E0432-19 [Dup-200]	B121661	05/13/15
15E0432-20 [Dup-202]	B121661	05/13/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0432-01 [B137-1]	B121503	10.1	10.0	05/12/15
15E0432-02 [B137-2]	B121503	10.2	10.0	05/12/15
15E0432-03 [B136-1]	B121503	10.1	10.0	05/12/15
15E0432-05 [B135-1]	B121503	10.2	10.0	05/12/15
15E0432-06 [B135-2]	B121503	10.1	10.0	05/12/15
15E0432-07 [B134-1]	B121503	10.3	10.0	05/12/15
15E0432-08 [B134-2]	B121503	10.1	10.0	05/12/15
15E0432-09 [B133-1]	B121503	10.1	10.0	05/12/15
15E0432-10 [B133-2]	B121503	10.3	10.0	05/12/15
15E0432-11 [B174-1]	B121503	10.1	10.0	05/12/15
15E0432-12 [B174-2]	B121503	10.5	10.0	05/12/15
15E0432-13 [B131-1]	B121503	10.5	10.0	05/12/15
15E0432-14 [B131-2]	B121503	10.3	10.0	05/12/15
15E0432-15 [B132-1]	B121503	10.1	10.0	05/12/15
15E0432-16 [B132-2]	B121503	10.3	10.0	05/12/15
15E0432-17 [B175-1]	B121503	10.1	10.0	05/12/15
15E0432-18 [B175-2]	B121503	10.6	10.0	05/12/15
15E0432-19 [Dup-200]	B121503	10.5	10.0	05/12/15
15E0432-20 [Dup-202]	B121503	10.4	10.0	05/12/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0432-04 [B136-2]	B121603	10.1	10.0	05/13/15

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121503 - SW-846 3540C										
Blank (B121503-BLK1)				Prepared: 05/12/15 Analyzed: 05/14/15						
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	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.234*		mg/Kg wet	0.200		117	30-150			
Surrogate: Tetrachloro-m-xylene	*0.164*		mg/Kg wet	0.200		82.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.208*		mg/Kg wet	0.200		104	30-150			
LCS (B121503-BS1)				Prepared: 05/12/15 Analyzed: 05/14/15						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		91.2	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		98.0	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		98.7	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Surrogate: Decachlorobiphenyl	*0.192*		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.167*		mg/Kg wet	0.200		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg wet	0.200		93.3	30-150			
LCS Dup (B121503-BSD1)				Prepared: 05/12/15 Analyzed: 05/14/15						
Aroclor-1016	0.16	0.10	mg/Kg wet	0.200		80.8	40-140	12.0	30	
Aroclor-1016 [2C]	0.17	0.10	mg/Kg wet	0.200		87.3	40-140	11.6	30	
Aroclor-1260	0.17	0.10	mg/Kg wet	0.200		84.4	40-140	15.6	30	
Aroclor-1260 [2C]	0.18	0.10	mg/Kg wet	0.200		88.9	40-140	17.3	30	
Surrogate: Decachlorobiphenyl	*0.154*		mg/Kg wet	0.200		77.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.160*		mg/Kg wet	0.200		80.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.149*		mg/Kg wet	0.200		74.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.159*		mg/Kg wet	0.200		79.3	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B121503 - SW-846 3540C											
Matrix Spike (B121503-MS1)	**Source: 15E0432-01**			Prepared: 05/12/15 Analyzed: 05/15/15							
Aroclor-1016	0.31	0.65	mg/Kg dry	0.258	ND	119		40-140			
Aroclor-1016 [2C]	0.29	0.65	mg/Kg dry	0.258	ND	114		40-140			
Aroclor-1260	3.2	0.65	mg/Kg dry	0.258	3.4	**-75.5**	*	40-140			MS-19
Aroclor-1260 [2C]	3.6	0.65	mg/Kg dry	0.258	3.8	**-77.3**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.246*		mg/Kg dry	0.258		95.3		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.231*		mg/Kg dry	0.258		89.4		30-150			
Surrogate: Tetrachloro-m-xylene	*0.230*		mg/Kg dry	0.258		89.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.216*		mg/Kg dry	0.258		83.6		30-150			
Matrix Spike Dup (B121503-MSD1)	**Source: 15E0432-01**			Prepared: 05/12/15 Analyzed: 05/15/15							
Aroclor-1016	0.31	0.65	mg/Kg dry	0.258	ND	120		40-140	1.04	50	
Aroclor-1016 [2C]	0.32	0.65	mg/Kg dry	0.258	ND	124		40-140	8.35	50	
Aroclor-1260	3.6	0.65	mg/Kg dry	0.258	3.4	62.1		40-140	10.4	50	
Aroclor-1260 [2C]	4.1	0.65	mg/Kg dry	0.258	3.8	97.9		40-140	11.7	50	
Surrogate: Decachlorobiphenyl	*0.266*		mg/Kg dry	0.258		103		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.254*		mg/Kg dry	0.258		98.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.243*		mg/Kg dry	0.258		94.3		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.233*		mg/Kg dry	0.258		90.3		30-150			
Batch B121603 - SW-846 3540C											
Blank (B121603-BLK1)				Prepared: 05/13/15 Analyzed: 05/15/15							
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	*0.164*		mg/Kg wet	0.200		81.9		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.201*		mg/Kg wet	0.200		101		30-150			
Surrogate: Tetrachloro-m-xylene	*0.164*		mg/Kg wet	0.200		82.0		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		96.1		30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121603 - SW-846 3540C										
LCS (B121603-BS1)				Prepared: 05/13/15 Analyzed: 05/15/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		114	40-140			
Surrogate: Decachlorobiphenyl	*0.203*		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg wet	0.200		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.203*		mg/Kg wet	0.200		102	30-150			
LCS Dup (B121603-BSD1)				Prepared: 05/13/15 Analyzed: 05/15/15						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		105	40-140	3.64	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		109	40-140	2.38	30	
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		108	40-140	1.03	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		116	40-140	1.42	30	
Surrogate: Decachlorobiphenyl	*0.201*		mg/Kg wet	0.200		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.192*		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.203*		mg/Kg wet	0.200		102	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B137-1

Lab Sample ID: 15E0432-01 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		
Aroclor-1260	1	0.00	-0.03	0.03	3.4	
	2	0.00	-0.03	0.03	3.8	9.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B136-1

Lab Sample ID: 15E0432-03 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-1260	1	0.00	-0.03	0.03	0.52	
	2	0.00	-0.03	0.03	0.59	12.6

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con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B135-1

Lab Sample ID: 15E0432-05 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-1260	1	0.00	-0.03	0.03	0.14	
	2	0.00	-0.03	0.03	0.15	6.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B135-2

Lab Sample ID: 15E0432-06 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-1260	1	0.00	-0.03	0.03	0.44	
	2	0.00	-0.03	0.03	0.49	10.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B134-1

Lab Sample ID: 15E0432-07 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-1260	1	0.00	-0.03	0.03	0.27	
	2	0.00	-0.03	0.03	0.29	6.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B174-1

Lab Sample ID: 15E0432-11 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-1260	1	0.00	-0.03	0.03	0.21	
	2	0.00	-0.03	0.03	0.23	7.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B132-1

Lab Sample ID: 15E0432-15 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-1260	1	0.00	-0.03	0.03	0.21	
	2	0.00	-0.03	0.03	0.22	5.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B175-1

Lab Sample ID: 15E0432-17 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-1260	1	0.00	-0.03	0.03	1.0	
	2	0.00	-0.03	0.03	1.2	15.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B175-2

Lab Sample ID: 15E0432-18 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-1260	1	0.00	-0.03	0.03	0.32	
	2	0.00	-0.03	0.03	0.37	14.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-202

Lab Sample ID: 15E0432-20 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		
Aroclor-1260	1	0.00	-0.03	0.03	0.26	
	2	0.00	-0.03	0.03	0.29	10.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B121503-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	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	9
Aroclor-1260	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.21	6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B121503-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	-0.03	0.03	0.16	
	2	0.00	-0.03	0.03	0.17	5
Aroclor-1260	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.18	6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B121503-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		
Aroclor-1016	1	0.00	-0.03	0.03	0.31	
	2	0.00	-0.03	0.03	0.29	5
Aroclor-1260	1	0.00	-0.03	0.03	3.2	
	2	0.00	-0.03	0.03	3.6	11

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B121503-MSD1 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		
Aroclor-1016	1	0.00	-0.03	0.03	0.31	
	2	0.00	-0.03	0.03	0.32	4
Aroclor-1260	1	0.00	-0.03	0.03	3.6	
	2	0.00	-0.03	0.03	4.1	13

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B121603-BS1 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		
Aroclor-1016	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.21	4
Aroclor-1260	1	0.00	-0.03	0.03	0.21	
	2	0.00	-0.03	0.03	0.23	7

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B121603-BSD1 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		
Aroclor-1016	1	0.00	-0.03	0.03	0.21	
	2	0.00	-0.03	0.03	0.22	5
Aroclor-1260	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.23	6

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	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.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,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 Publilc 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

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Page 1 of 2

15E0432

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Project #: 860 513-1483
Rocky Hill, CT 06067
Client PO#: 02274021 Release 00005
Attention: Jeff Willson / Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Siwiak

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE
Fax #: sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples										# of Containers	** Preservation	***Container Code
								1	1	A												
01	~~BNSF~~ B137-1	5/11/15	1100		X	S	U	✓	✓													
02	~~BNSF~~ B137-2		1102					✓	✓													
03	B136-1		1150					✓	✓													
04	B136-2		1152					✓	✓													
05	B135-1		1210					✓	✓													
06	B135-2		1212					✓	✓													
07	B134-1		1240					✓	✓													
08	B134-2		1242					✓	✓													
09	B133-1		1300					✓	✓													
10	B133-2	↓	1302		↓	↓	↓	✓	✓													

ANALYSIS REQUESTED

Dissolved Metals
O Field Filtered
O 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= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other _____

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	5/11/15	Date/Time:
Received by: (signature)	5/11/15	Date/Time: 54
Relinquished by: (signature)	5/11/15	Date/Time: 44
Received by: (signature)	5/11/15	Date/Time: 1640

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

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

NELAC & AIHA Certified
WBE/DBE Certified

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.

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con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0432

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02274021 Release 00005
Attention: Jeff Willson / Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	B174-1	5/11/15	1350		X	S	U	✓	✓				
12	B174-2	"	1353		"	"	"	✓	✓				
13	B131-1		1400					✓	✓				
14	B131-2		1407					✓	✓				
15	B132-1		1420					✓	✓				
16	B132-2		1422					✓	✓				
17	B175-1		1440					✓	✓				
18	B175-2		1442					✓	✓				
19	Dup-200		—					✓	✓				
20	Dup-202	↓			↓	↓	↓	✓	✓				

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ 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= 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

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

Relinquished by: (signature)	5/11/15	Date/Time:
Received by: (signature)	5/11/15	Date/Time: 1540
Relinquished by: (signature)	5/11/15	Date/Time: 1740
Received by: (signature)	5/11/15	Date/Time: 1640

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5-DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† 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 # _____

NELAC & AIHA Certified
WBE/DBE Certified

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.

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

con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Sampson (NUSCO) RECEIVED BY: JDL DATE: 5/11/15

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 5.3

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 _____ 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	
500 mL Amber		4 oz amber/clear jar	20
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		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved

Time and Date Frozen:

Doc# 277
Rev. 4 August 2013

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) T/F/NA	Comment
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 requsted 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	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JDL **Date/Time:** 5/11/15 1640

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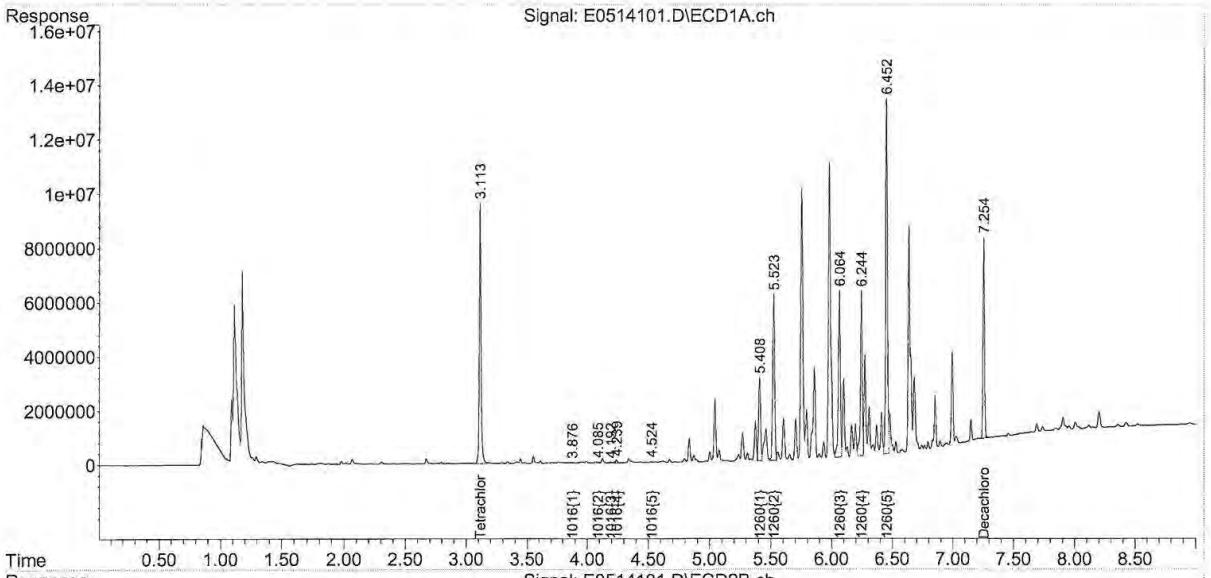
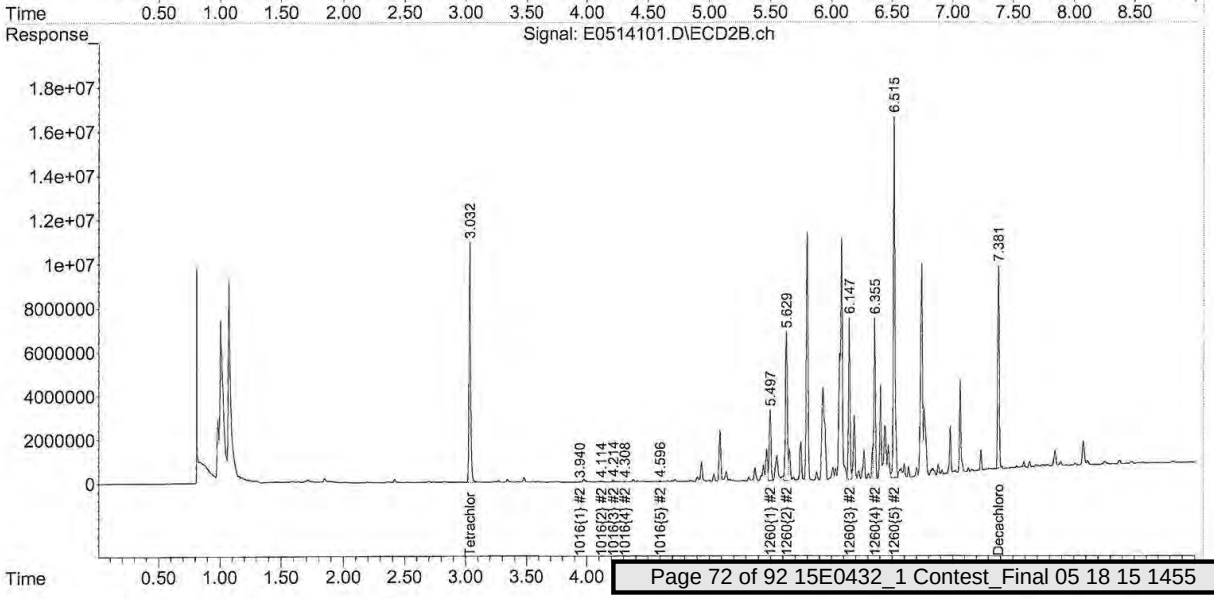
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514101.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2015 9:25 am
Operator : JMB
Sample : 15E0432-01@25X TBA Inst : ECD 5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 18 13:07:30 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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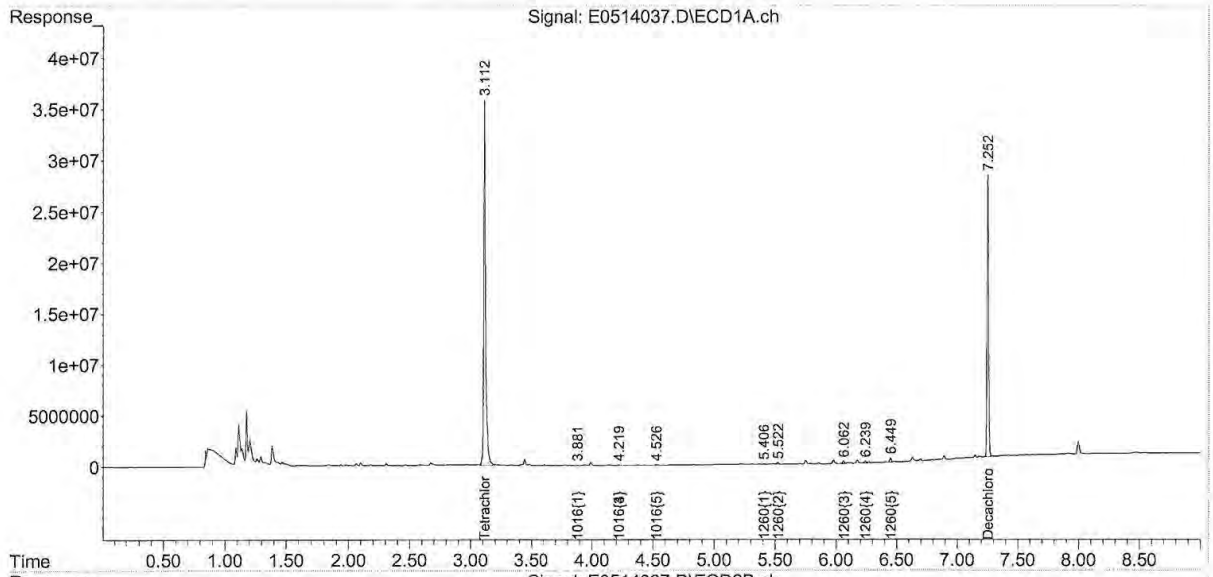
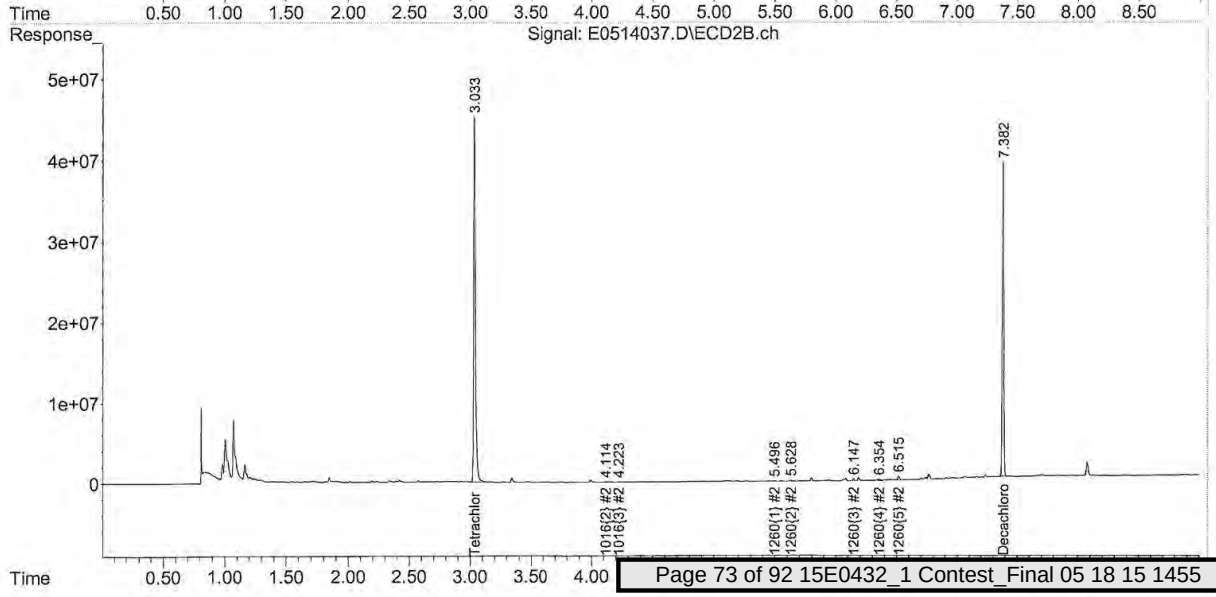
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 6:41 pm
Operator : JMB
Sample : 15E0432-02@5X TBA Inst : ECD 5
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 18 12:38:38 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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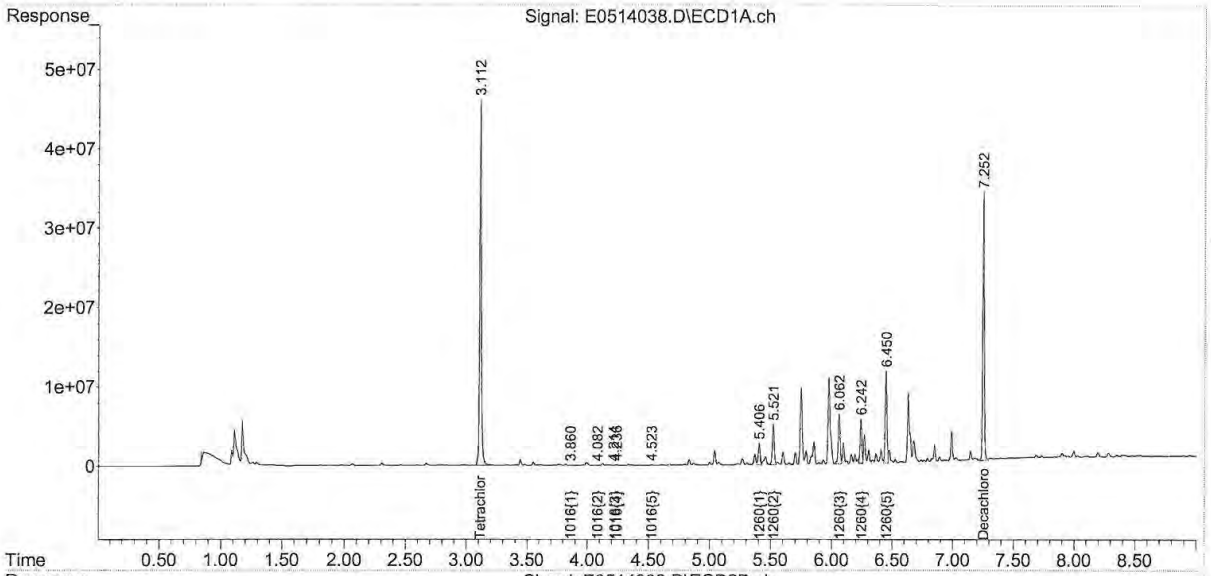
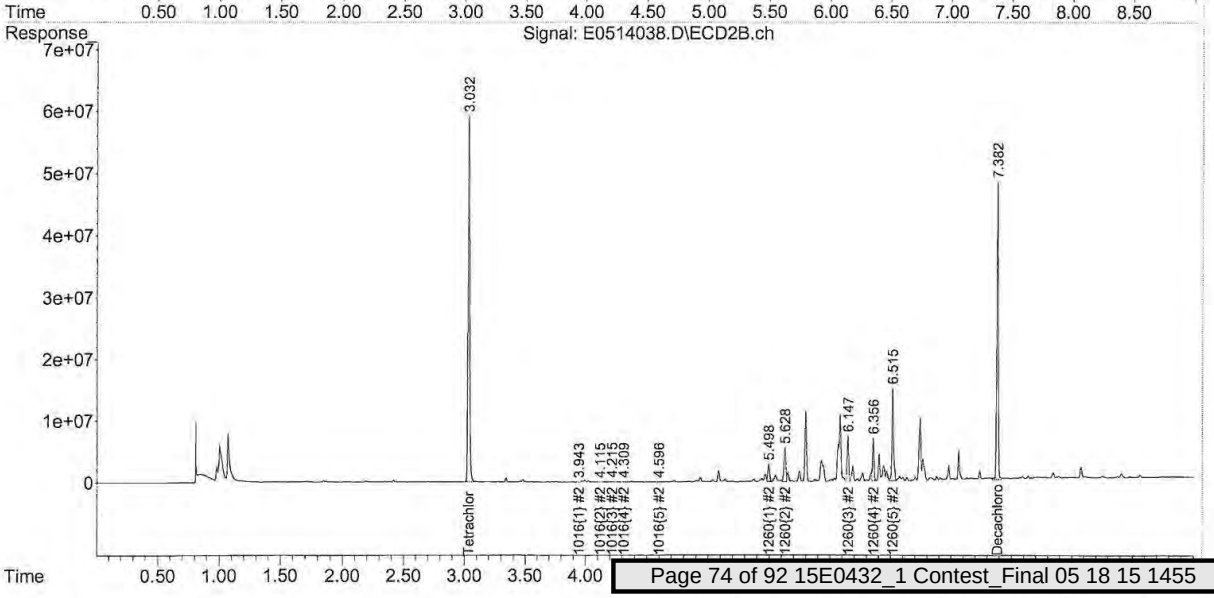
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 6:54 pm
Operator : JMB
Sample : 15E0432-03@5X TBA Inst : ECD 5
Misc :
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:25:57 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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Quantitation Report (Not Reviewed)

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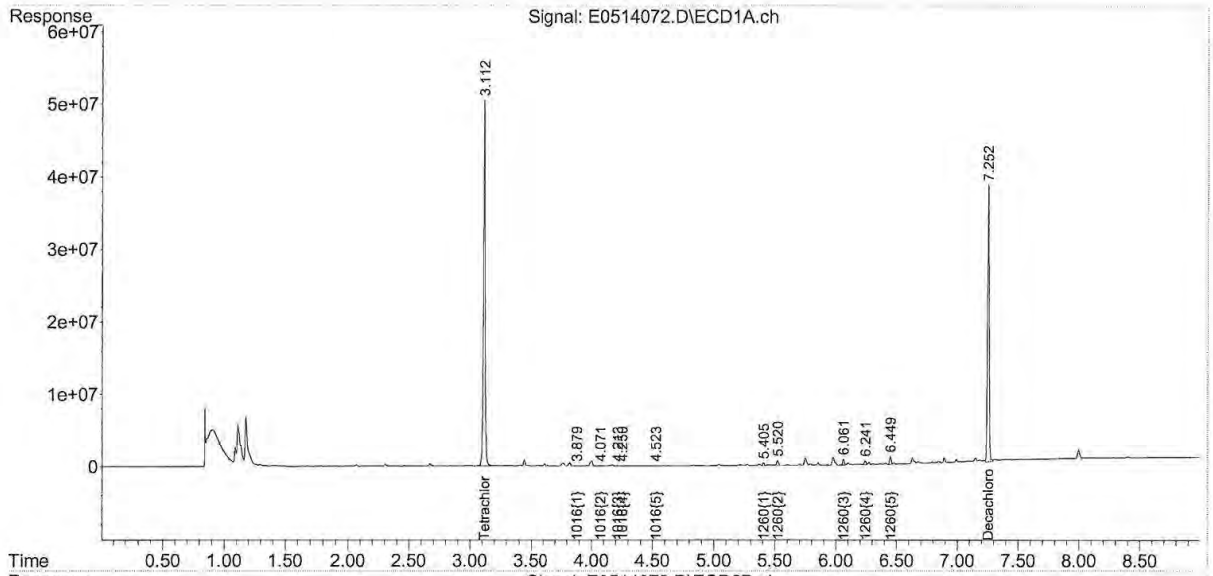
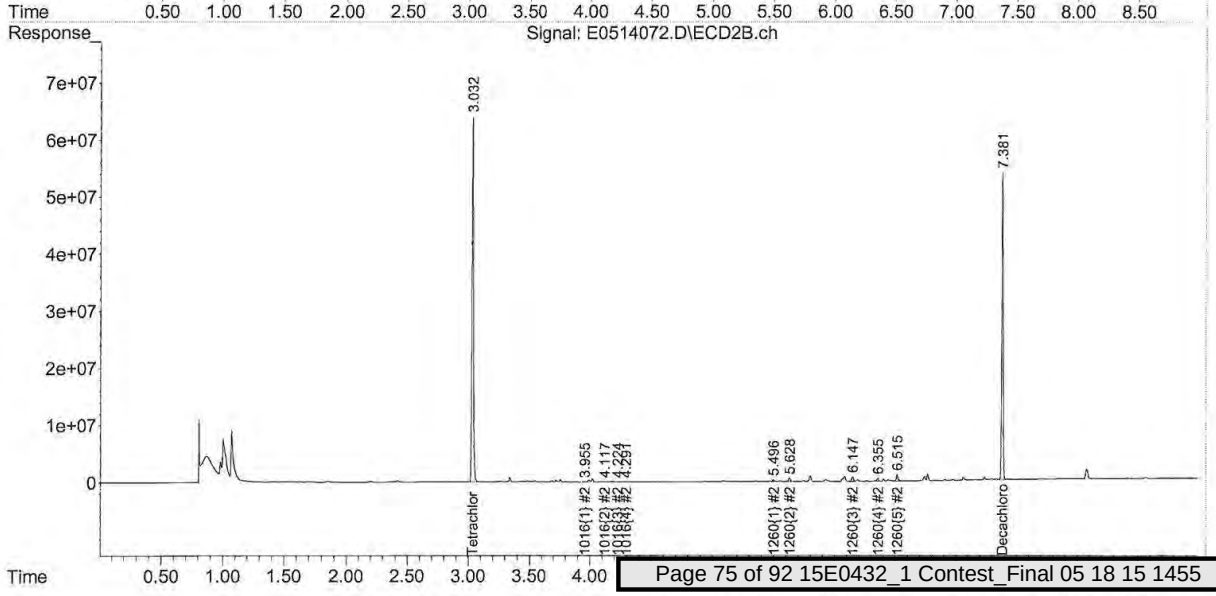
Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514072.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 15 May 2015    2:17 am
Operator  : JMB
Sample    : 15E0432-04@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 72   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:34:10 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                  Signal #2 Phase:
Signal #1 Info  :                  Signal #2 Info :
```





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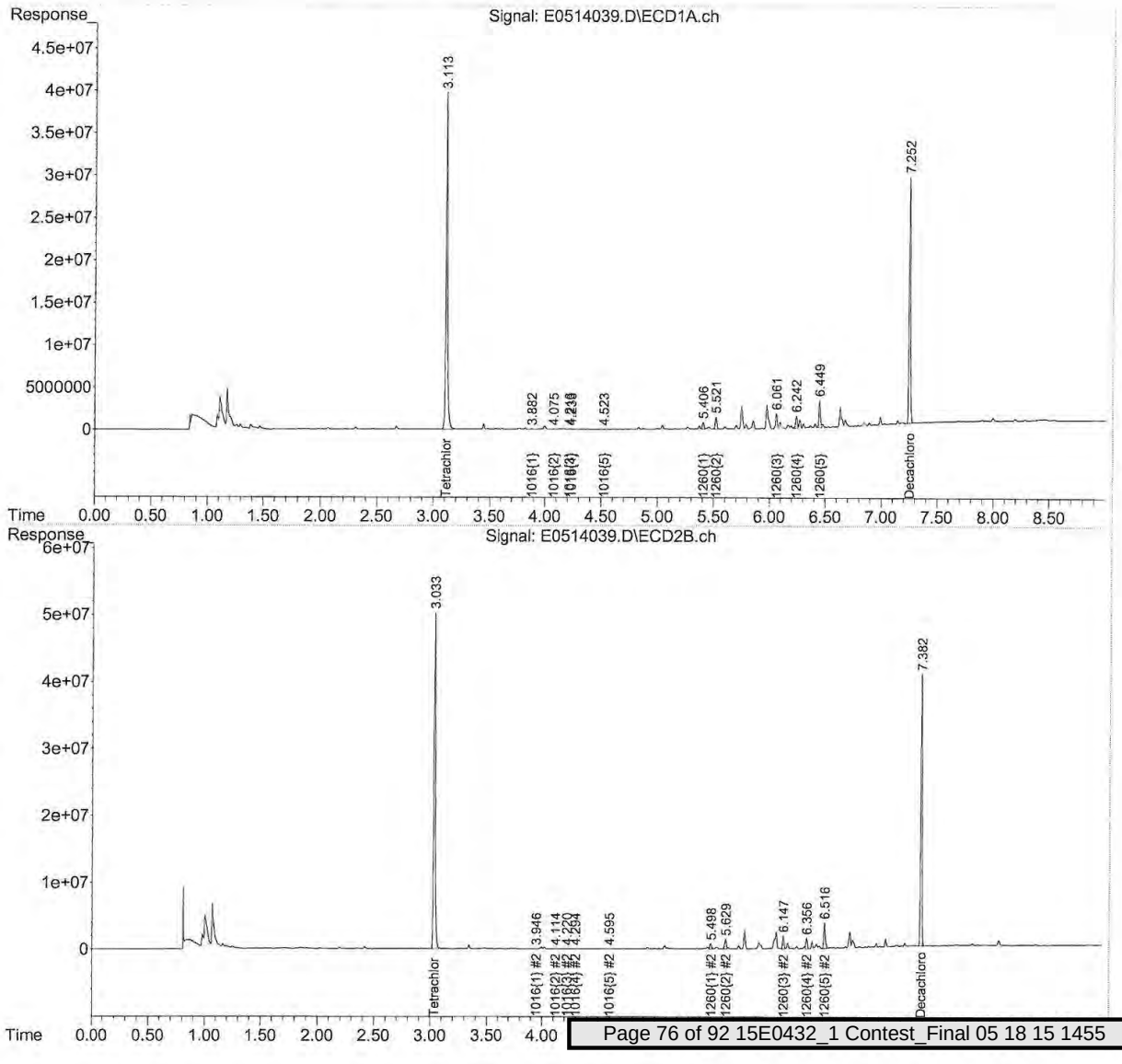
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 7:07 pm
Operator : JMB
Sample : 15E0432-05@5X TBA Inst : ECD 5
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 18 12:44:33 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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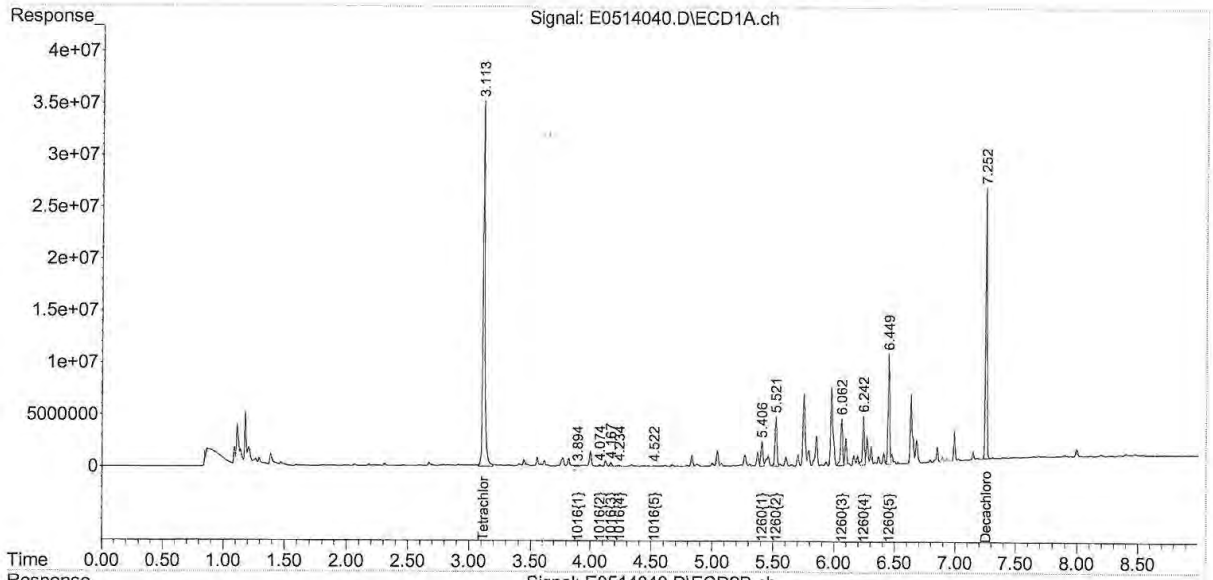
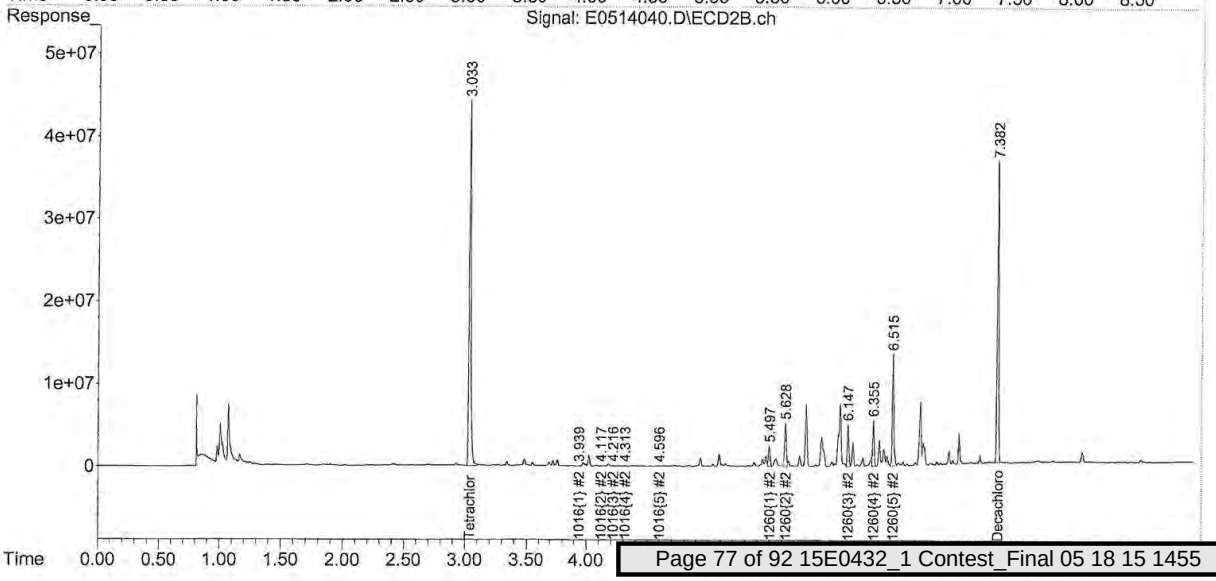
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 7:19 pm
Operator : JMB
Sample : 15E0432-06@5X TBA Inst : ECD 5
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 18 12:55:08 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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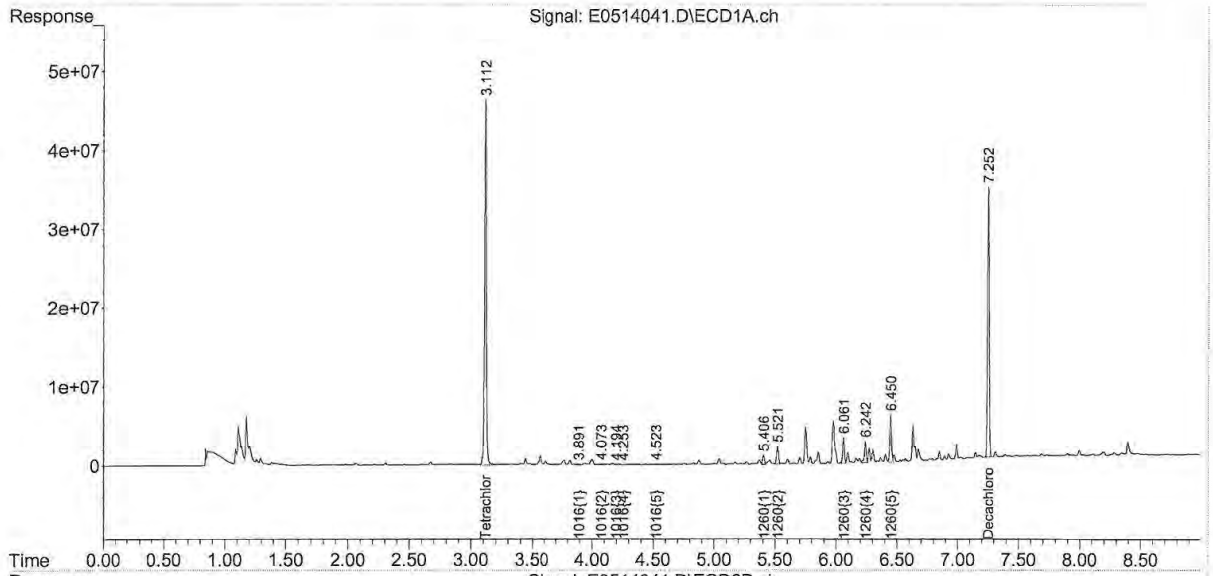
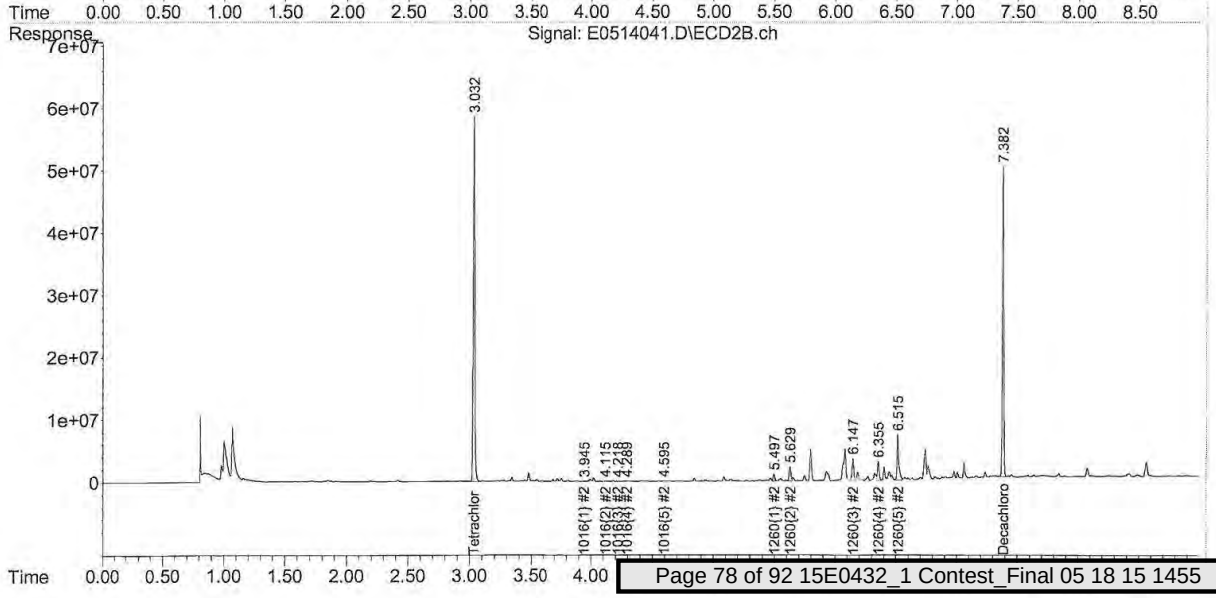
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 7:32 pm
Operator : JMB
Sample : 15E0432-07@5X TBA Inst : ECD 5
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 18 12:56:16 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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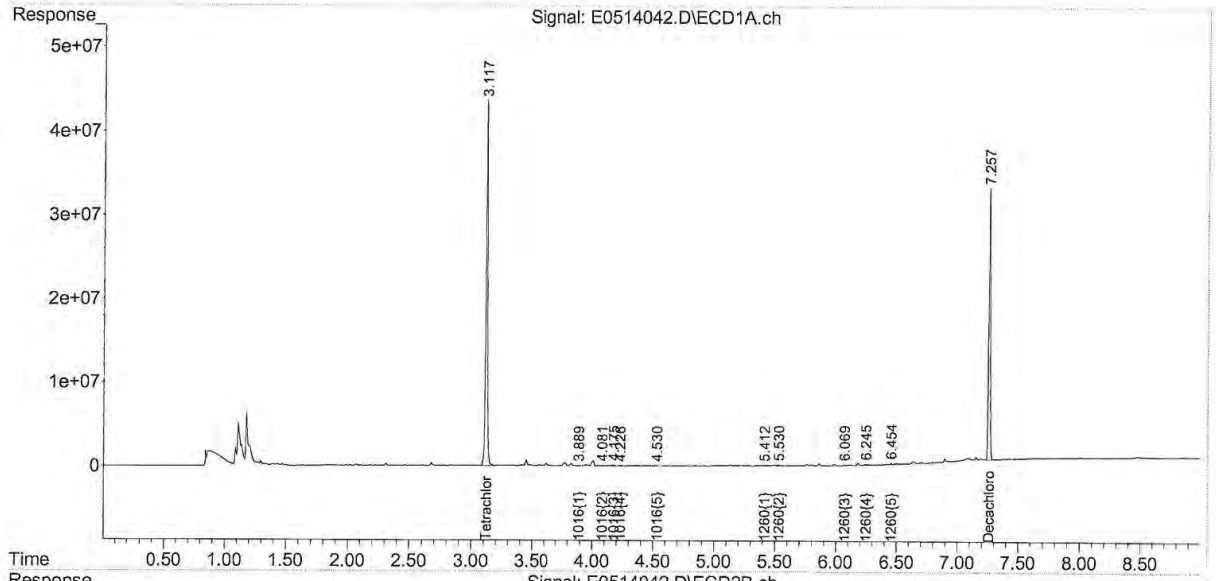
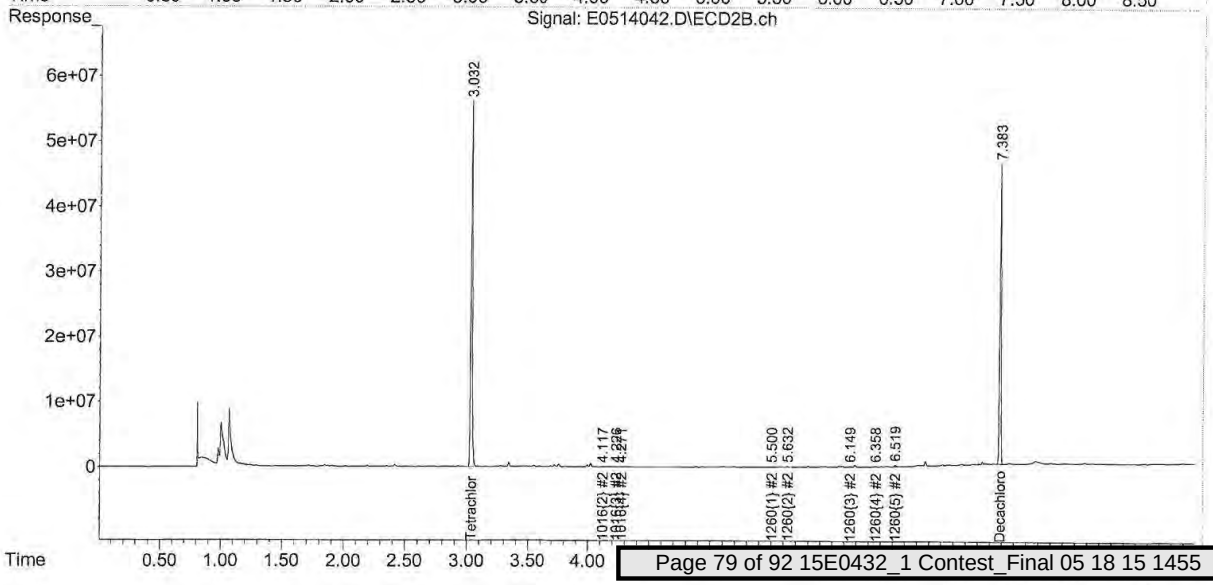
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 7:56 pm
Operator : JMB
Sample : 15E0432-08@5X TBA Inst : ECD 5
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 18 12:57:14 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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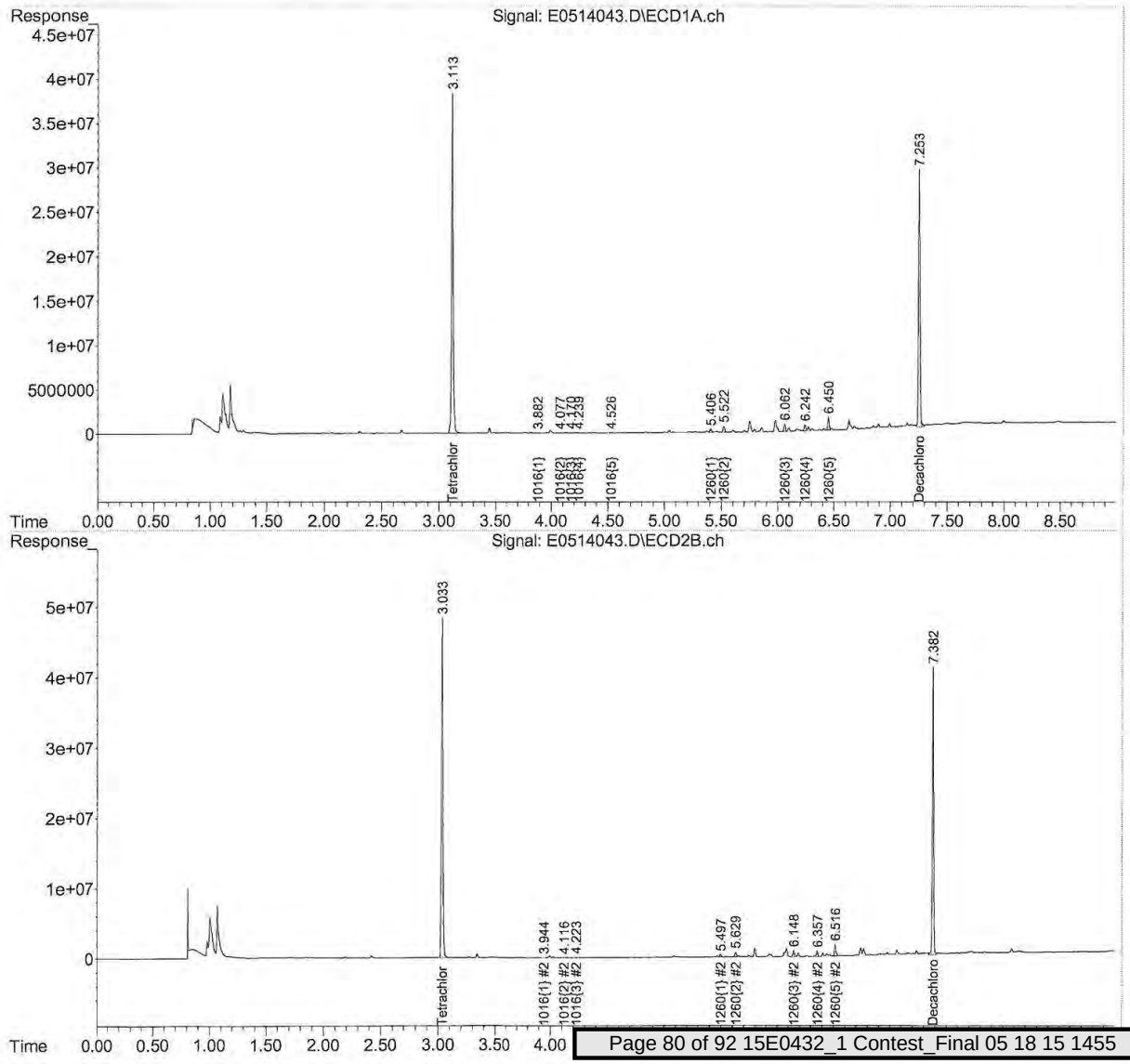
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514043.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 14 May 2015   8:09 pm
Operator  : JMB
Sample    : 15E0432-09@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 43   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:26:22 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



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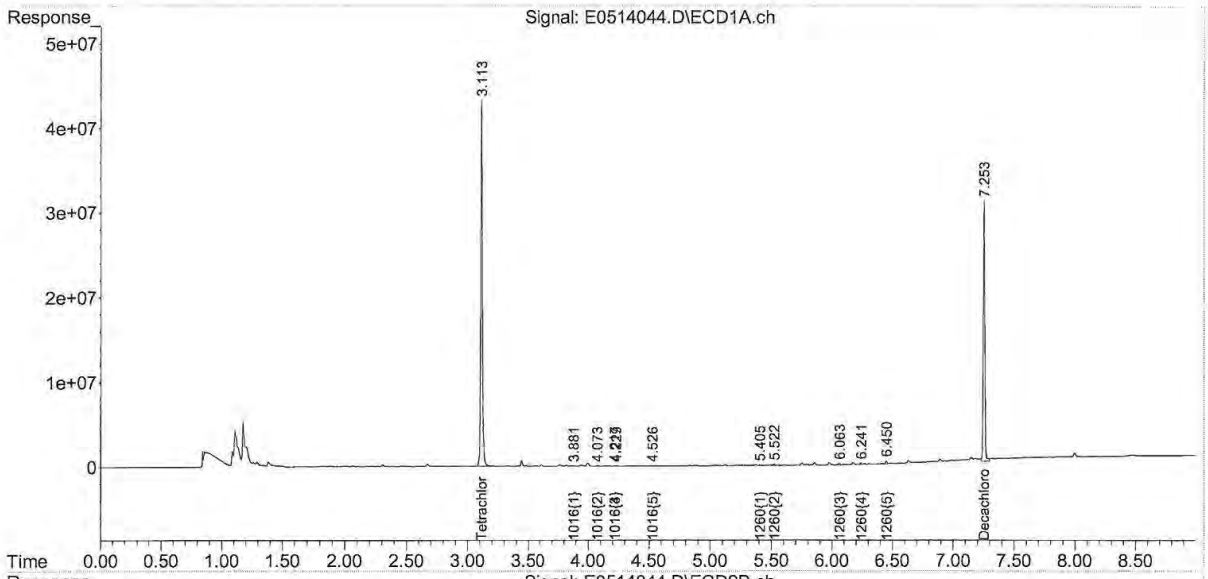
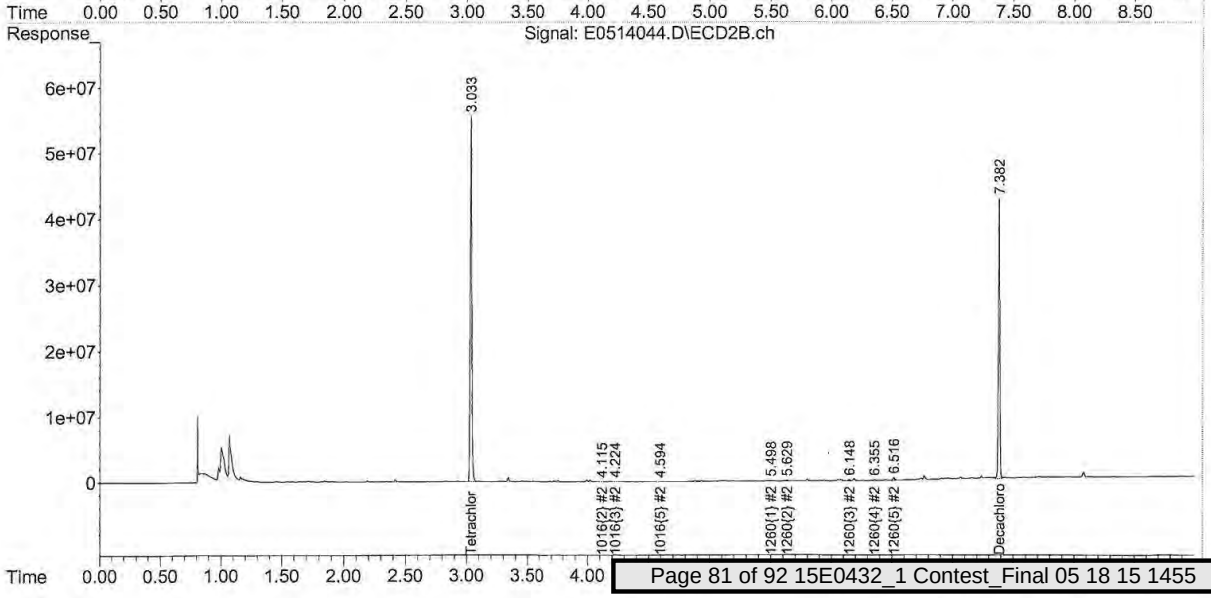
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514044.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 14 May 2015    8:21 pm
Operator  : JMB
Sample    : 15E0432-10@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 44   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:26:27 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





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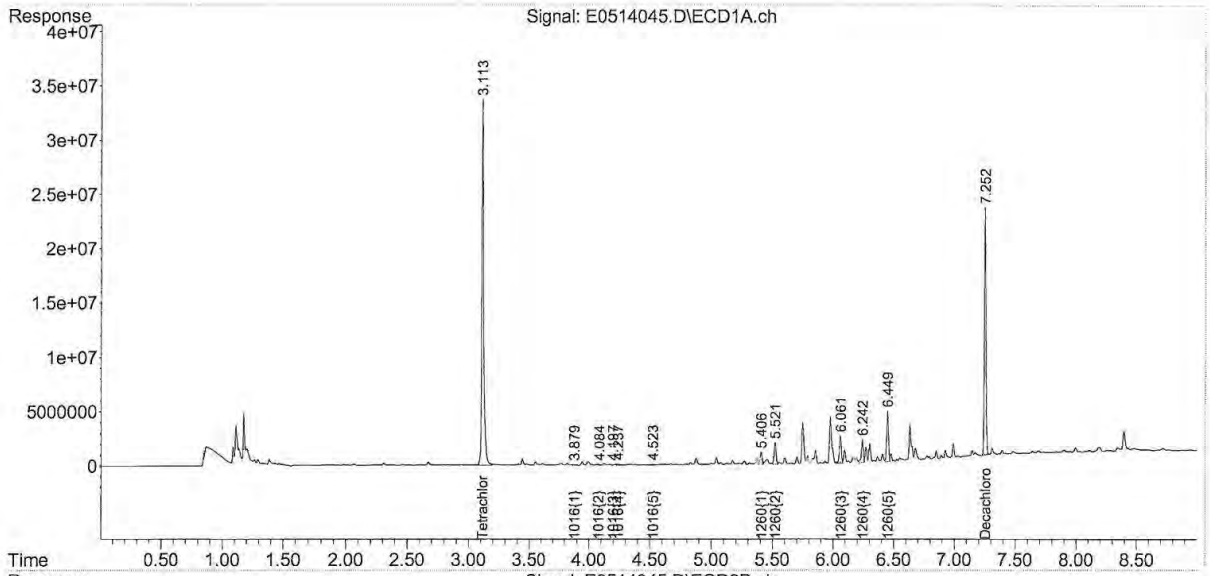
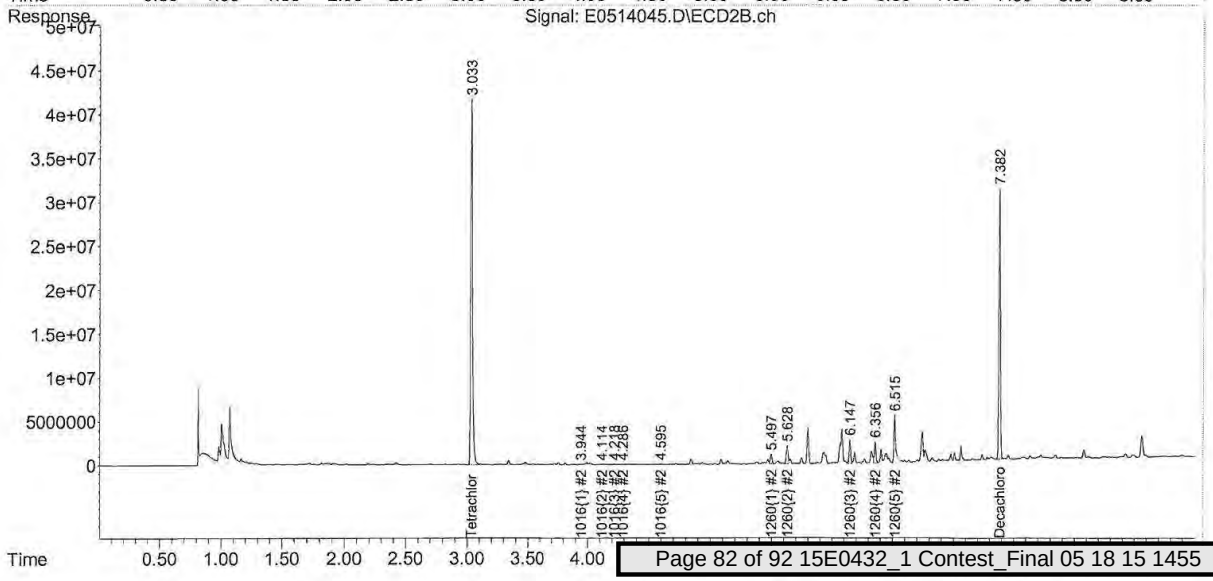
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 8:34 pm
Operator : JMB
Sample : 15E0432-11@5X TBA Inst : ECD 5
Misc :
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 18 12:58:58 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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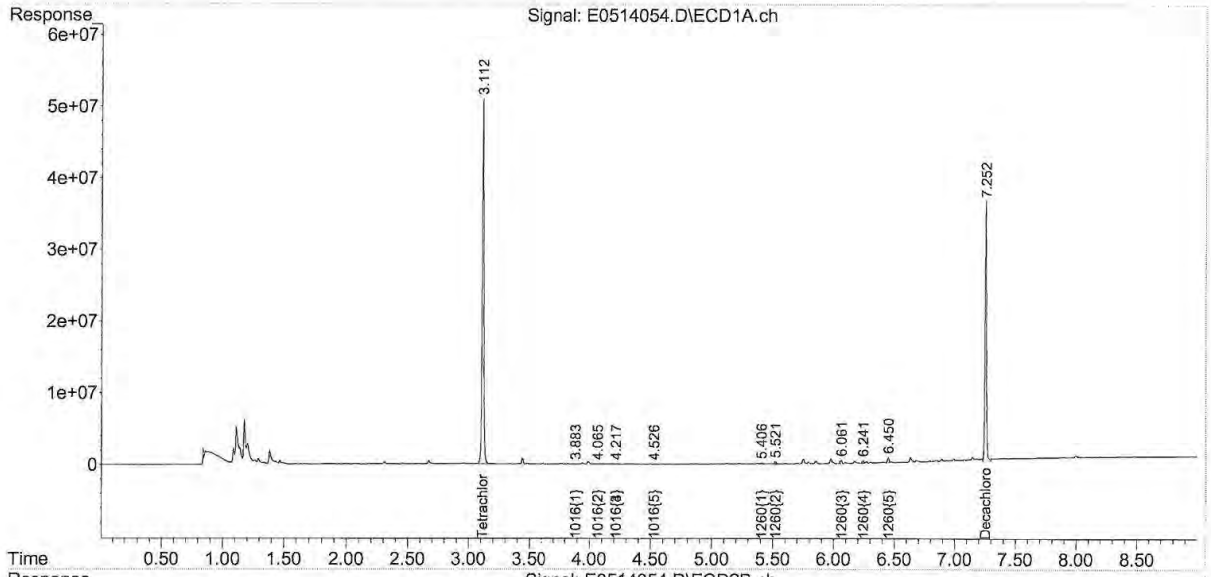
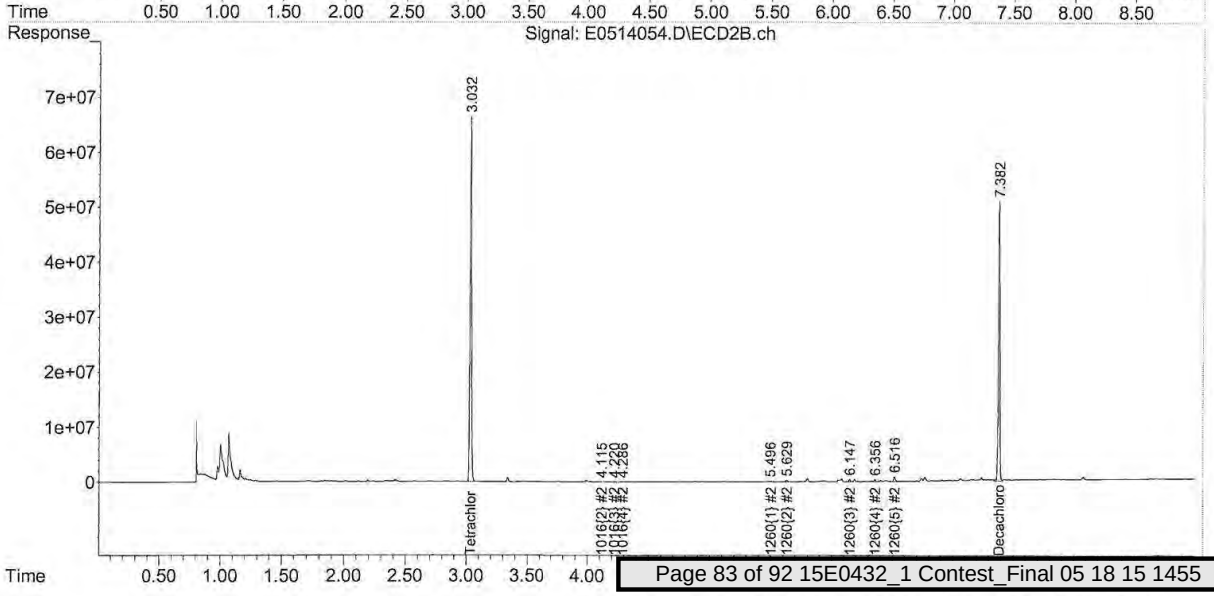
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514054.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 14 May 2015  10:28 pm
Operator  : JMB
Sample    : 15E0432-12@5X TBA                    Inst    : ECD 5
Misc      :
ALS Vial  : 54   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:31:00 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                  Signal #2 Phase:
Signal #1 Info  :                  Signal #2 Info :
```





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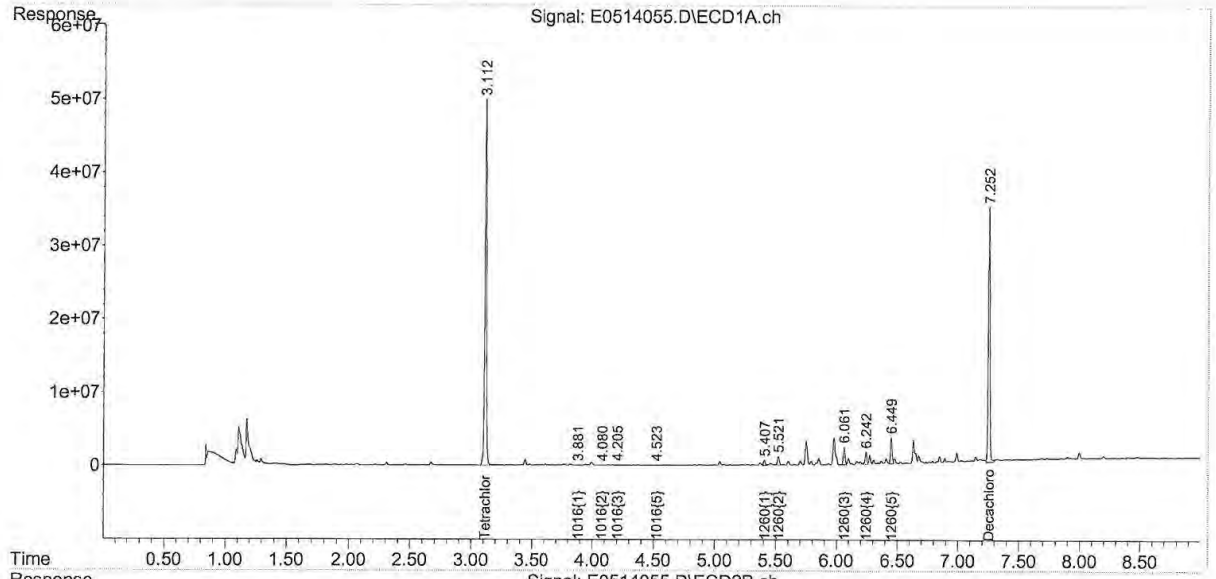
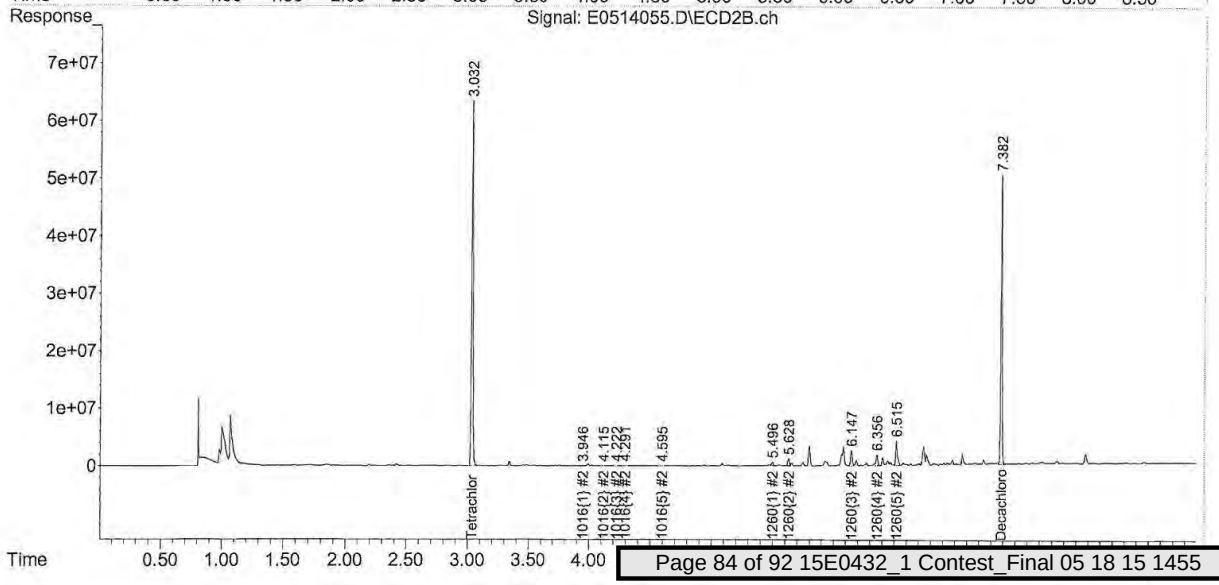
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 10:41 pm
Operator : JMB
Sample : 15E0432-13@5X TBA Inst : ECD 5
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:31:05 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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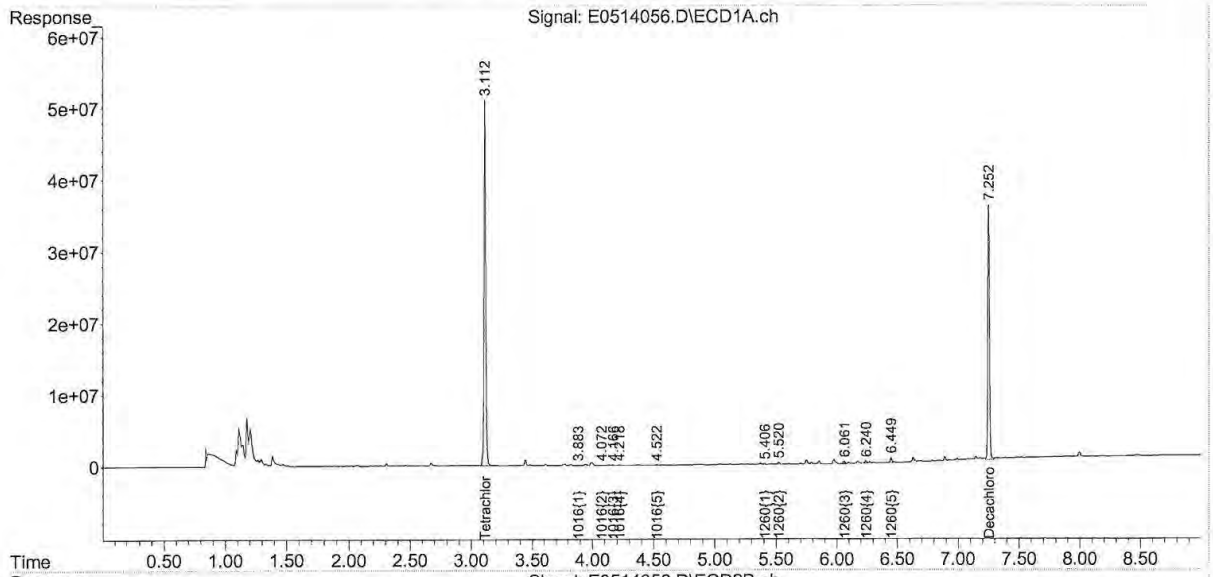
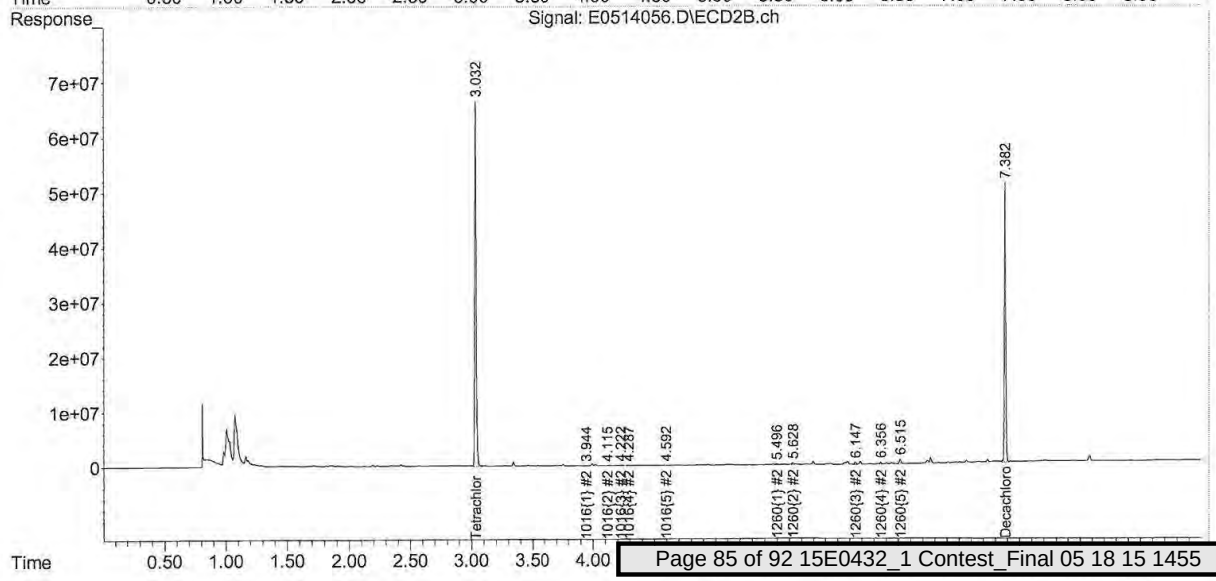
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514056.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 14 May 2015  10:54 pm
Operator  : JMB
Sample    : 15E0432-14@5X TBA                    Inst    : ECD 5
Misc      :
ALS Vial  : 56   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:31:10 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                  Signal #2 Phase:
Signal #1 Info  :                  Signal #2 Info :
```





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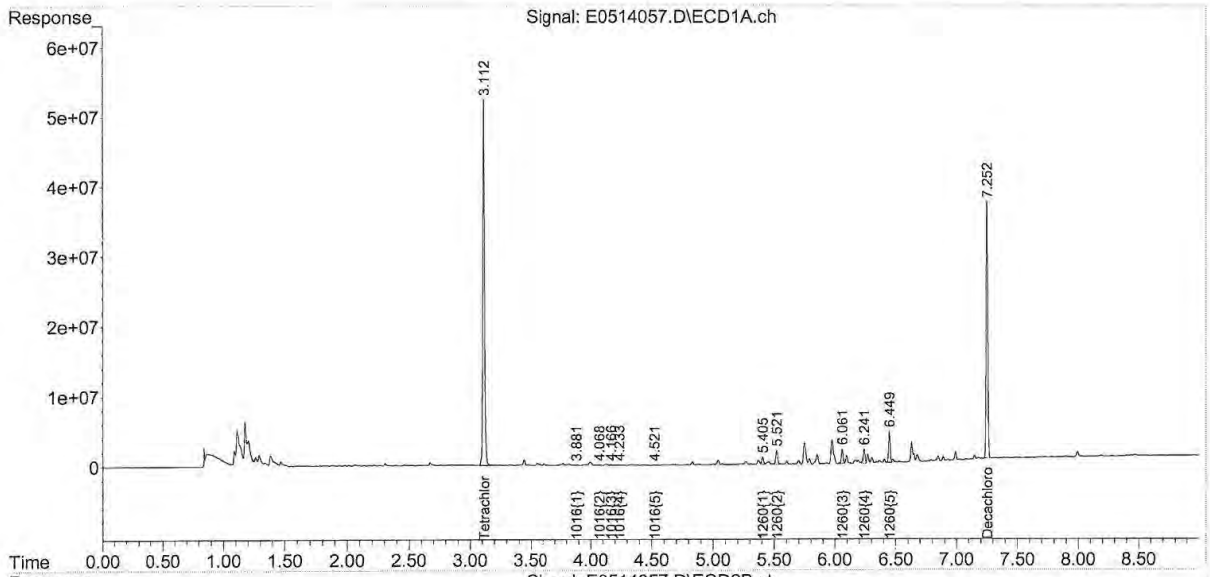
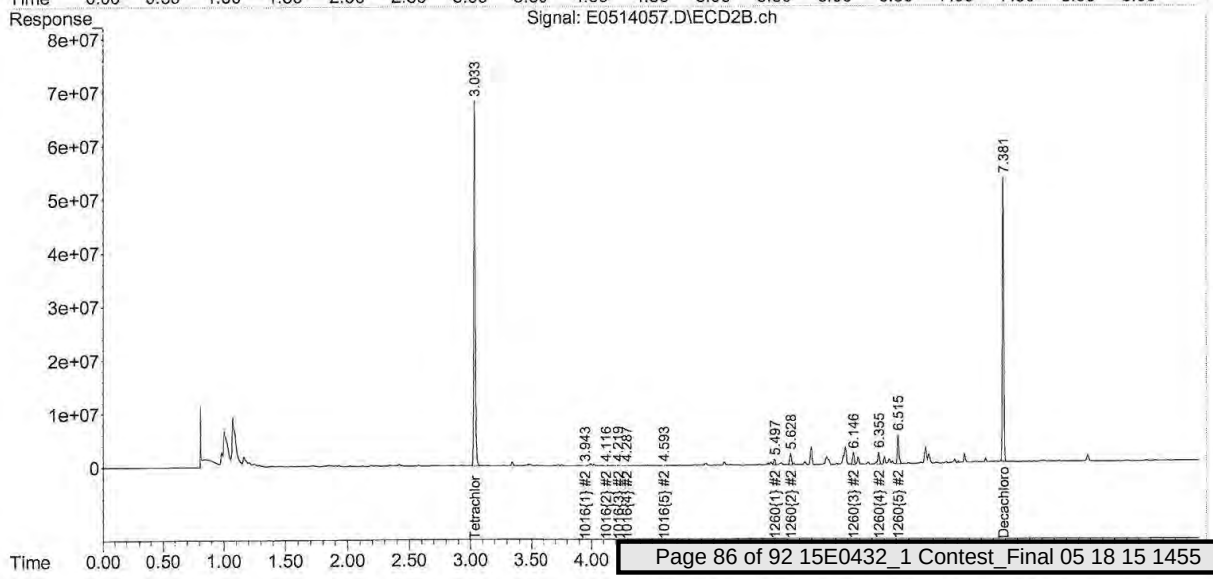
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514057.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 11:06 pm
Operator : JMB
Sample : 15E0432-15@5X TBA Inst : ECD 5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 18 13:00:50 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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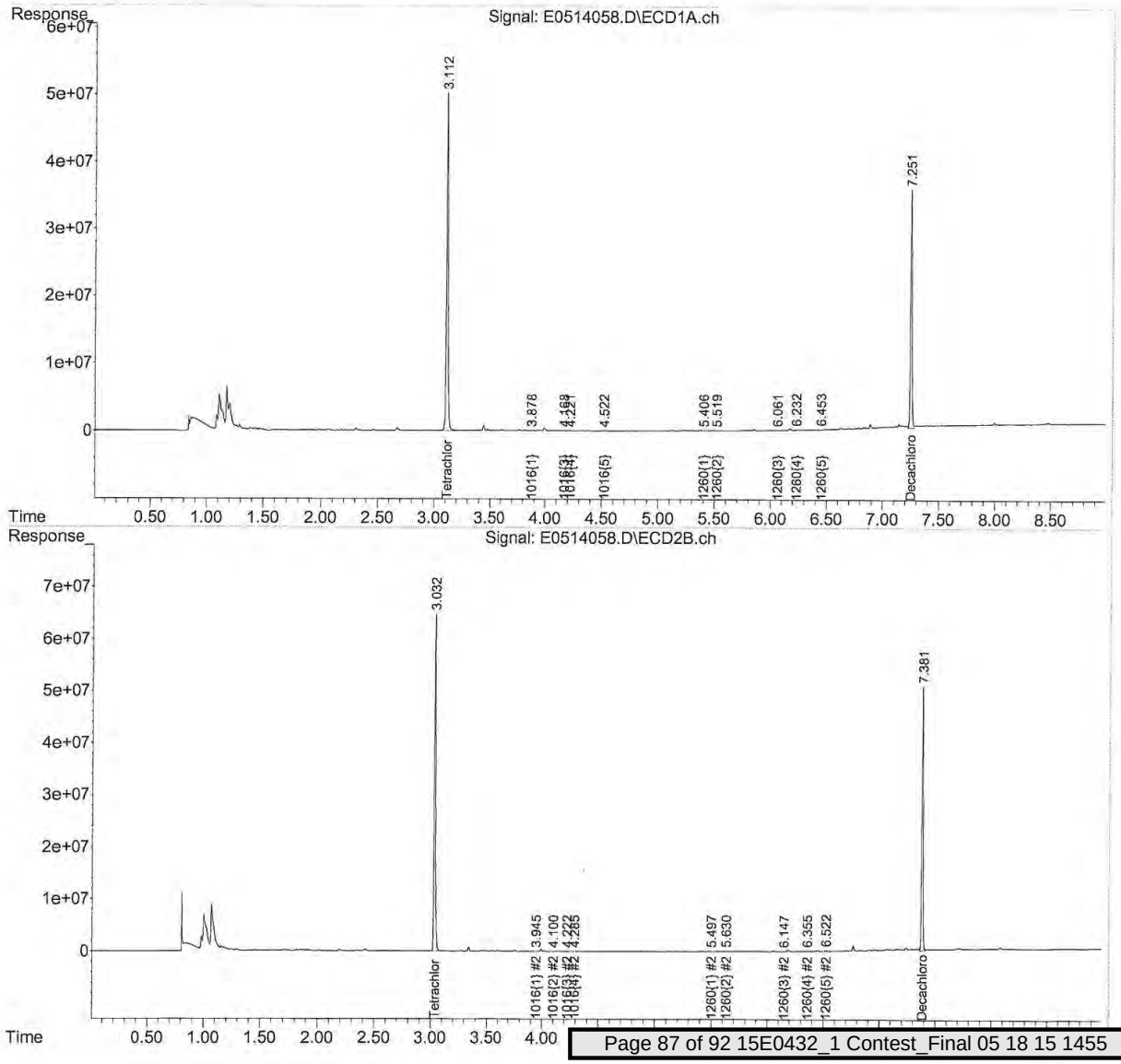
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 11:19 pm
Operator : JMB
Sample : 15E0432-16@5X TBA Inst : ECD 5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:31:20 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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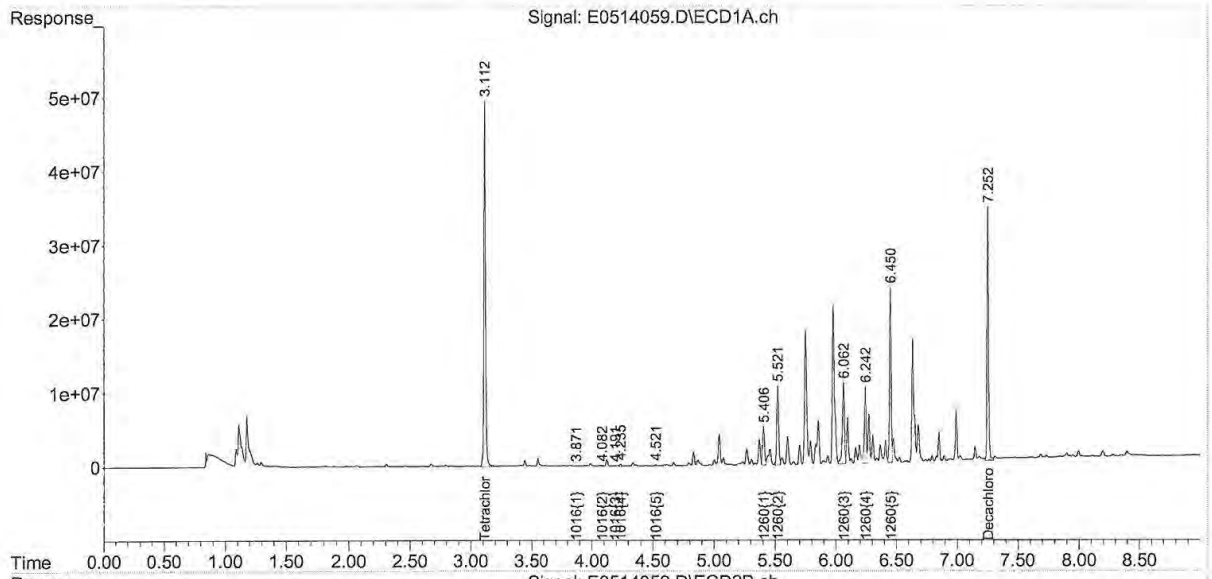
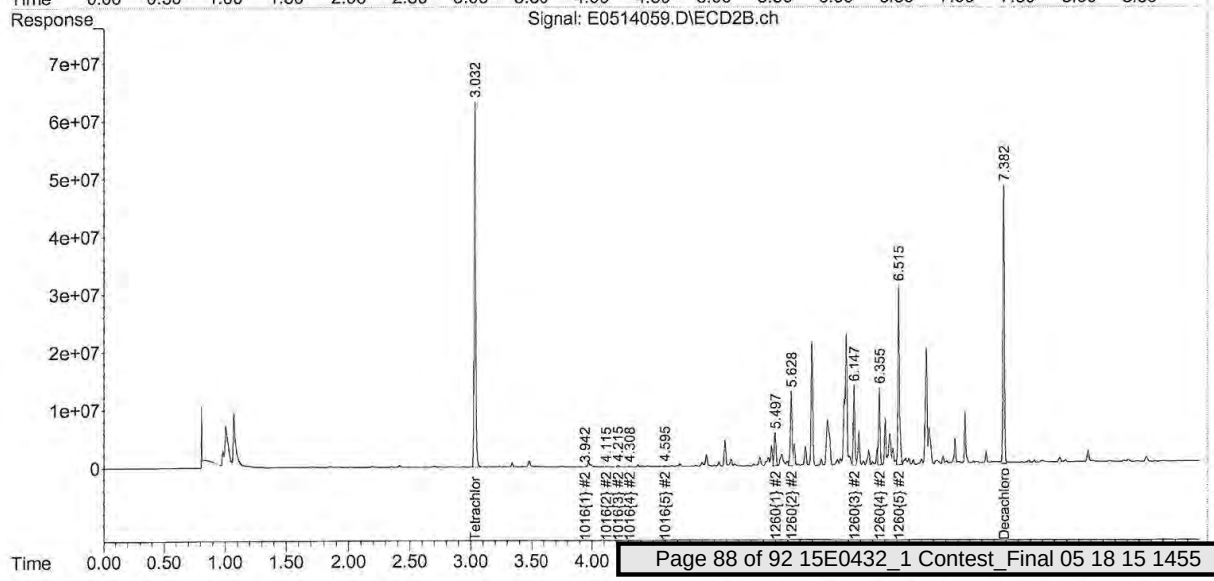
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514059.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 11:32 pm
Operator : JMB
Sample : 15E0432-17@5X TBA Inst : ECD 5
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:31:25 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514060.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 14 May 2015  11:45 pm
Operator  : JMB
Sample    : 15E0432-18@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 60   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:31:30 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                  Signal #2 Phase:
Signal #1 Info  :                  Signal #2 Info :
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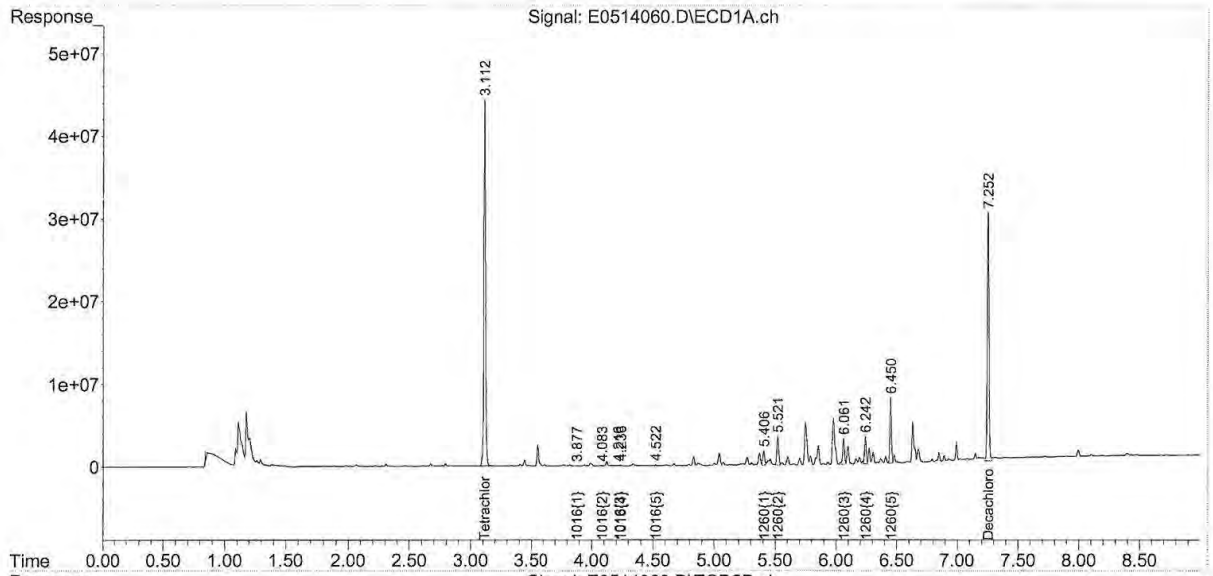

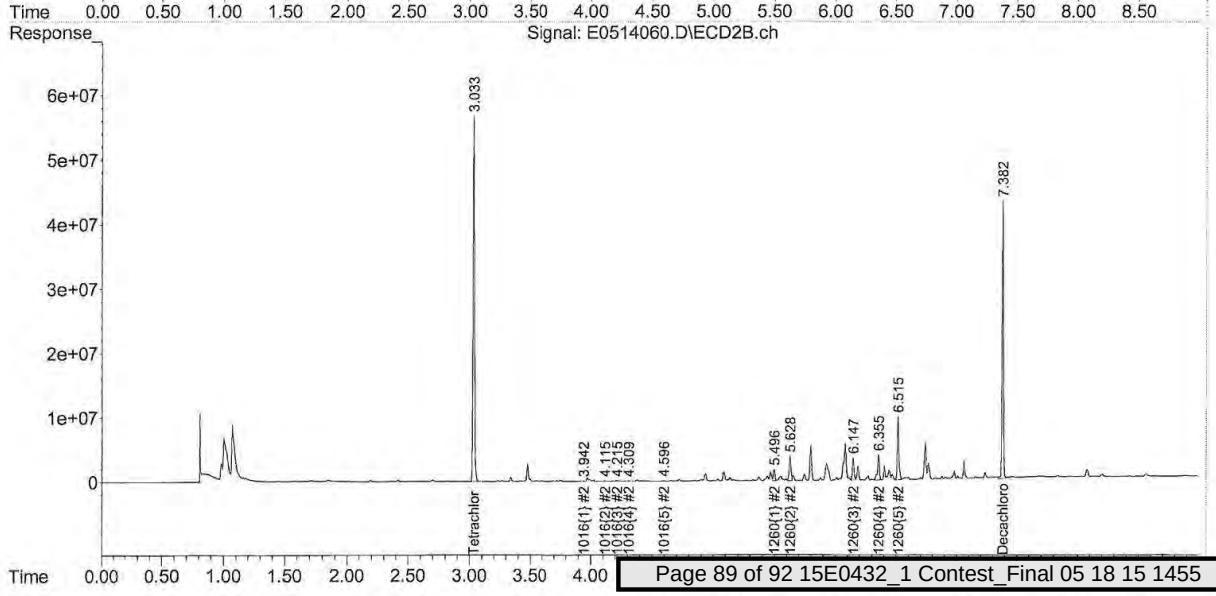

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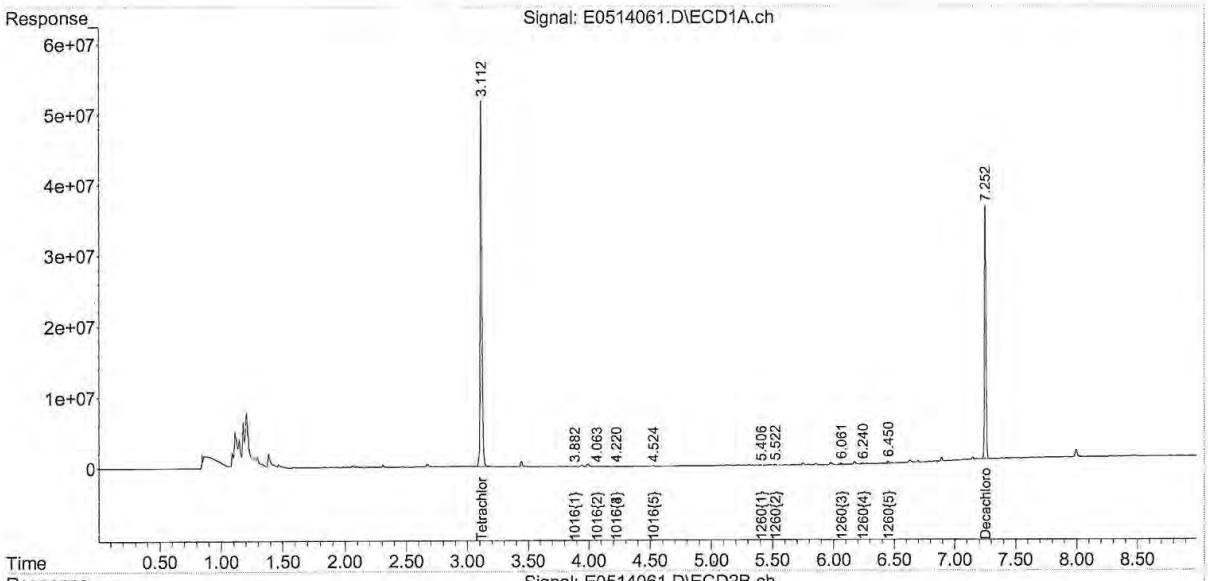
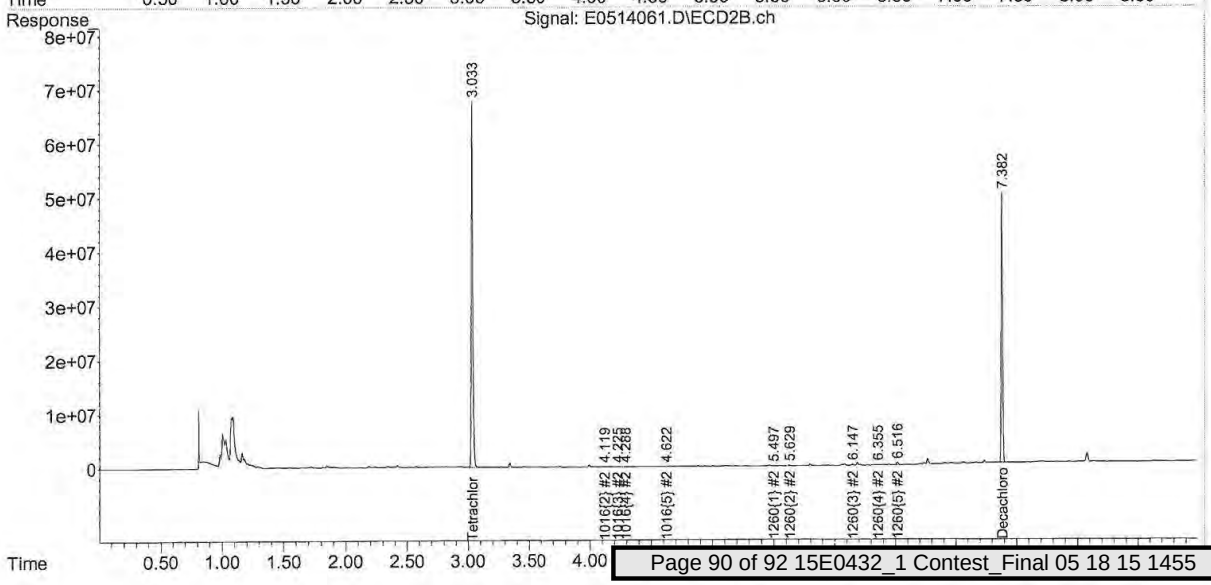
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514061.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2015 11:57 pm
Operator : JMB
Sample : 15E0432-19@5X TBA Inst : ECD 5
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 18 13:03:22 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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Quantitation Report (Not Reviewed)

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Data Path : C:\msdchem\1\DATA\051415\
Data File : E0514062.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 15 May 2015  12:10 am
Operator  : JMB
Sample    : 15E0432-20@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 62   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 15 08:31:40 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051315.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
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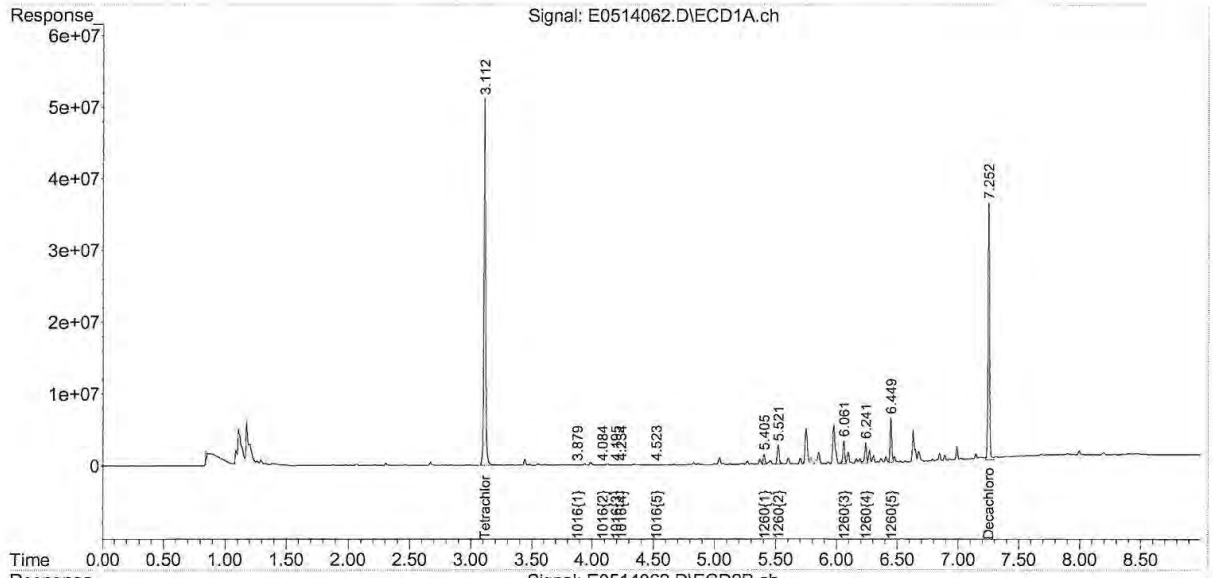

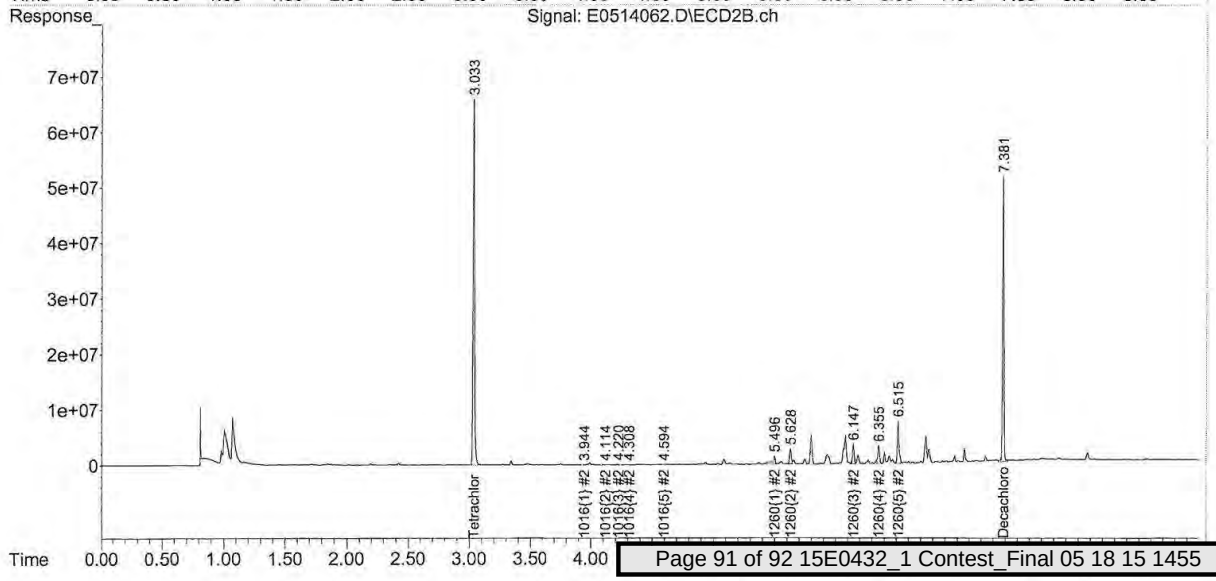

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0432

Laboratory Sample ID(s):

15E0432-01 thru 15E0432-20

Sample Date(s):

05/11/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **05/18/15**

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

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

June 3, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0433

Enclosed are results of analyses for samples received by the laboratory on May 11, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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B122437 14
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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/3/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0433

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B150-1	15E0433-01	Soil		SM 2540G	
				SW-846 8082A	
B150-2	15E0433-02	Soil		SM 2540G	
				SW-846 8082A	
B149-1	15E0433-19	Soil		SM 2540G	
				SW-846 8082A	
B149-2	15E0433-20	Soil		SM 2540G	
				SW-846 8082A	

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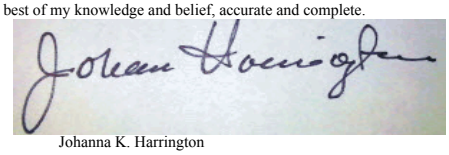
con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

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

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

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0433

Date Received: 5/11/2015

Field Sample #: B150-1 Sampled: 5/11/2015 10:00

Sample ID: 15E0433-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:06	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:06	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:06	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:06	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:06	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:06	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:06	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:06	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.4	30-150		5/30/15 13:06
Decachlorobiphenyl [2]	85.0	30-150		5/30/15 13:06
Tetrachloro-m-xylene [1]	85.6	30-150		5/30/15 13:06
Tetrachloro-m-xylene [2]	94.1	30-150		5/30/15 13:06

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Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.5		% Wt	1		SM 2540G	5/23/15	5/26/15 7:45	MRL