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Report Date: 22-Jul-2014 06:32

Katahdin Analytical Services

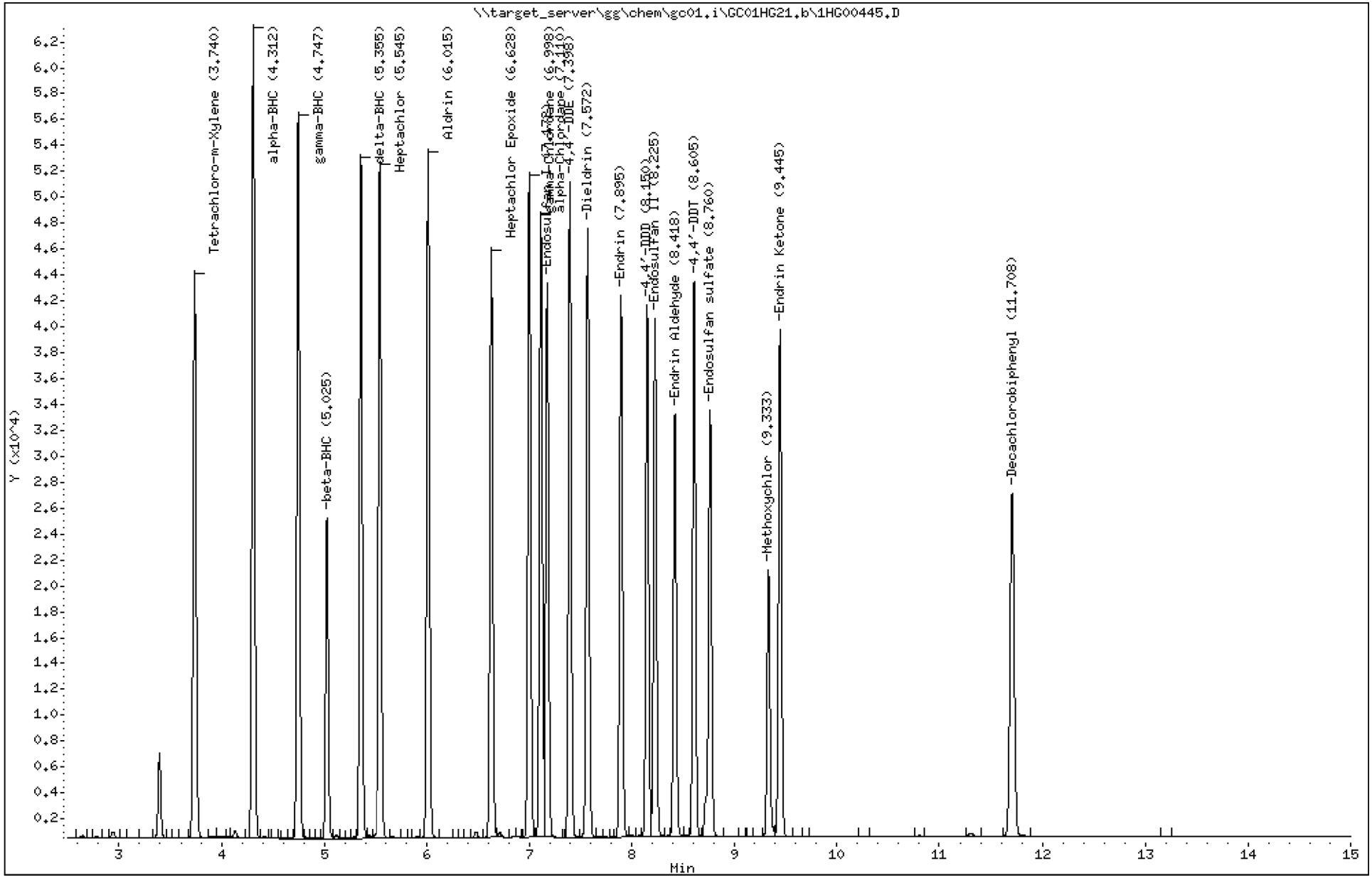
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Lab Smp Id: WG146672-13
Inj Date : 21-JUL-2014 12:34
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-13
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m
Meth Date : 22-Jul-2014 06:18 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: cv.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.739	3.740	-0.001	43787	0.25000	0.244	
5 alpha-BHC	4.311	4.310	0.001	62801	0.25000	0.236	
6 gamma-BHC	4.746	4.745	0.001	56081	0.25000	0.231	
7 beta-BHC	5.024	5.025	-0.001	24734	0.25000	0.238	
8 delta-BHC	5.354	5.355	-0.001	52786	0.25000	0.246	
9 Heptachlor	5.544	5.543	0.001	52258	0.25000	0.226	
10 Aldrin	6.014	6.013	0.001	53151	0.25000	0.245	
13 Heptachlor Epoxide	6.628	6.626	0.002	45496	0.25000	0.234	
15 gamma-Chlordane	6.998	6.996	0.002	51381	0.25000	0.254(A)	
17 alpha-Chlordane	7.109	7.108	0.001	48304	0.25000	0.249	
19 4,4'-DDE	7.398	7.396	0.002	50595	0.25000	0.256(A)	
20 Endosulfan I	7.171	7.170	0.001	42735	0.25000	0.238	
21 Dieldrin	7.571	7.570	0.001	47002	0.25000	0.244	
23 Endrin	7.894	7.895	-0.001	41851	0.25000	0.248	
24 4,4'-DDD	8.149	8.148	0.001	41101	0.25000	0.260(A)	
26 Endosulfan II	8.224	8.223	0.001	40051	0.25000	0.249	
27 4,4'-DDT	8.604	8.603	0.001	42825	0.25000	0.262(A)	
28 Endrin Aldehyde	8.418	8.415	0.003	32556	0.25000	0.246	
29 Methoxychlor	9.333	9.333	0.000	20602	0.25000	0.253(A)	
32 Endosulfan sulfate	8.759	8.760	-0.001	32918	0.25000	0.251(A)	
33 Endrin Ketone	9.444	9.445	-0.001	39197	0.25000	0.249	
$ 34 Decachlorobiphenyl	11.708	11.706	0.002	26451	0.25000	0.244	

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Date : 21-JUL-2014 12:34
Client ID:
Instrument: gc01.i
Sample Info: WG146672-13
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-1
Column diameter: 0.53



Katahdin Analytical Services 7000084

Data File: 1HG00445.D
Report Date: 22-Jul-2014 06:36

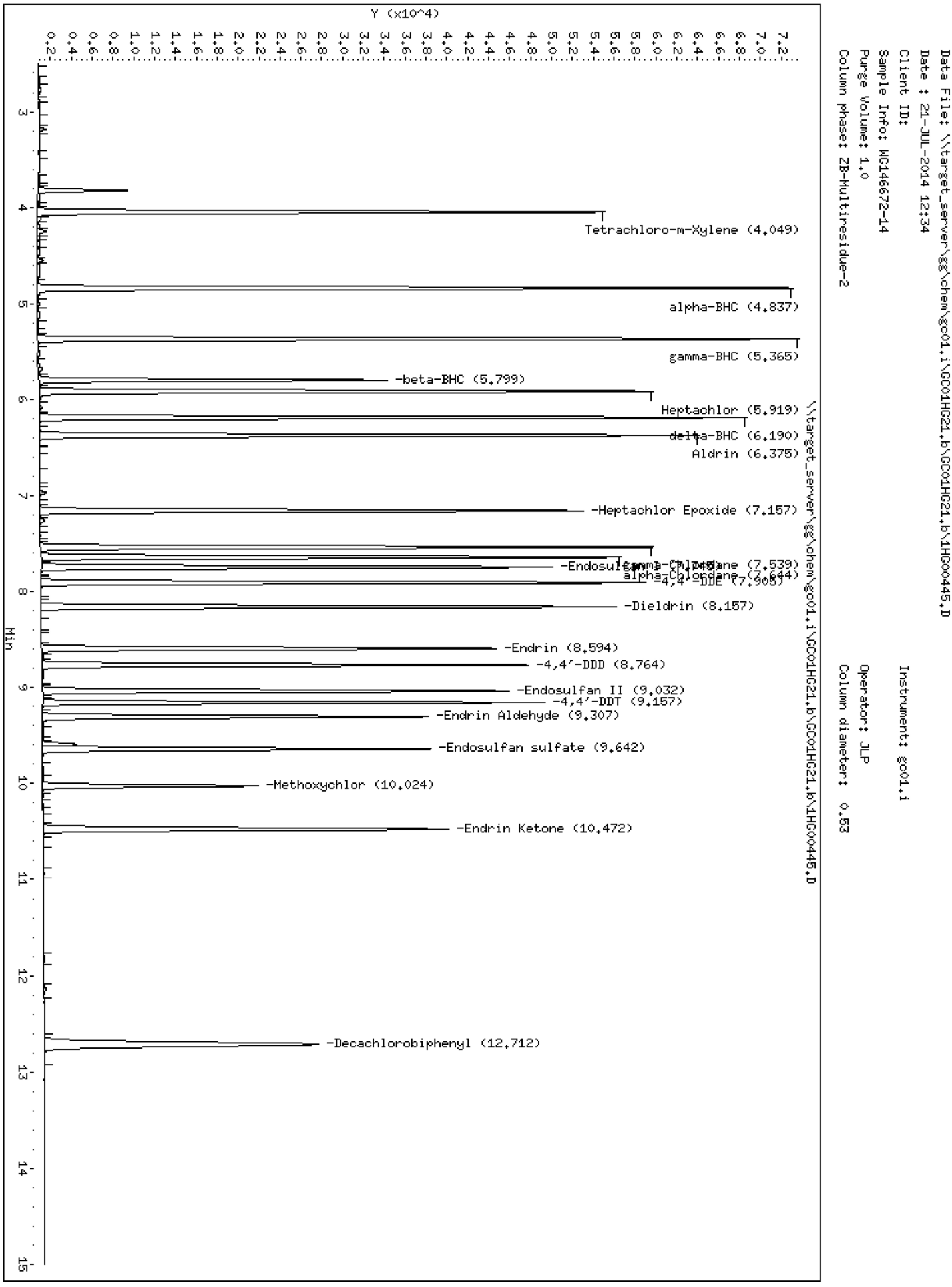
Katahdin Analytical Services

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Lab Smp Id: WG146672-14
Inj Date : 21-JUL-2014 12:34
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-14
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m\PEST135.m
Meth Date : 22-Jul-2014 06:19 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: cv.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	4.048	4.047	0.001	54360	0.25000	0.231	
5 alpha-BHC	4.837	4.837	0.000	72382	0.25000	0.209	
6 gamma-BHC	5.365	5.365	0.000	72976	0.25000	0.223	
7 beta-BHC	5.798	5.799	-0.001	33331	0.25000	0.241	
8 delta-BHC	6.190	6.189	0.001	67783	0.25000	0.240	
9 Heptachlor	5.918	5.917	0.001	58850	0.25000	0.219	
10 Aldrin	6.375	6.374	0.001	63170	0.25000	0.235	
13 Heptachlor Epoxide	7.157	7.155	0.002	52043	0.25000	0.224	
15 gamma-Chlordane	7.538	7.539	-0.001	58715	0.25000	0.244	
17 alpha-Chlordane	7.643	7.642	0.001	55613	0.25000	0.243	
19 4,4'-DDE	7.905	7.905	0.000	57999	0.25000	0.240	
20 Endosulfan I	7.745	7.745	0.000	49031	0.25000	0.231	
21 Dieldrin	8.157	8.155	0.002	55156	0.25000	0.243	
23 Endrin	8.593	8.592	0.001	43591	0.25000	0.242	
24 4,4'-DDD	8.763	8.762	0.001	46629	0.25000	0.252(A)	
26 Endosulfan II	9.032	9.032	0.000	44659	0.25000	0.240	
27 4,4'-DDT	9.157	9.155	0.002	48153	0.25000	0.265(A)	
28 Endrin Aldehyde	9.307	9.305	0.002	36976	0.25000	0.246	
29 Methoxychlor	10.023	10.022	0.001	20629	0.25000	0.249	
32 Endosulfan sulfate	9.642	9.642	0.000	37233	0.25000	0.252(A)	
33 Endrin Ketone	10.472	10.470	0.002	38851	0.25000	0.252(A)	
$ 34 Decachlorobiphenyl	12.712	12.710	0.002	26318	0.25000	0.246	


Data File: \\target_server\gg\chem\gc01.i\GC01HG24.b\GC01HG24.b\1HG00445.D
Date : 21-JUL-2014 12:34
Client ID:
Sample Info: WG146672-14
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2
Instrument: gc01.i
Operator: JLP
Column diameter: 0.53
\\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00445.D
Y (x10^4)
Min
Tetrachloro-m-Xylene (4.049)
alpha-BHC (4.837)
gamma-BHC (5.365)
-beta-BHC (5.799)
Heptachlor (5.919)
delta-BHC (6.190)
Aldrin (6.375)
-Heptachlor Epoxide (7.157)
-Endosulfan I (7.445)
gamma-Chlordane (7.539)
alpha-Chlordane (7.644)
-4,4'-DDE (7.905)
-Dieldrin (8.157)
-Endrin (8.594)
-4,4'-DDD (8.764)
-Endosulfan II (9.032)
-4,4'-DDT (9.157)
-Endrin Aldehyde (9.307)
-Endosulfan sulfate (9.642)
-Methoxychlor (10.024)
-Endrin Ketone (10.472)
-Decachlorobiphenyl (12.712)

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00446.D
Report Date: 21-Jul-2014 14:00

Katahdin Analytical Services

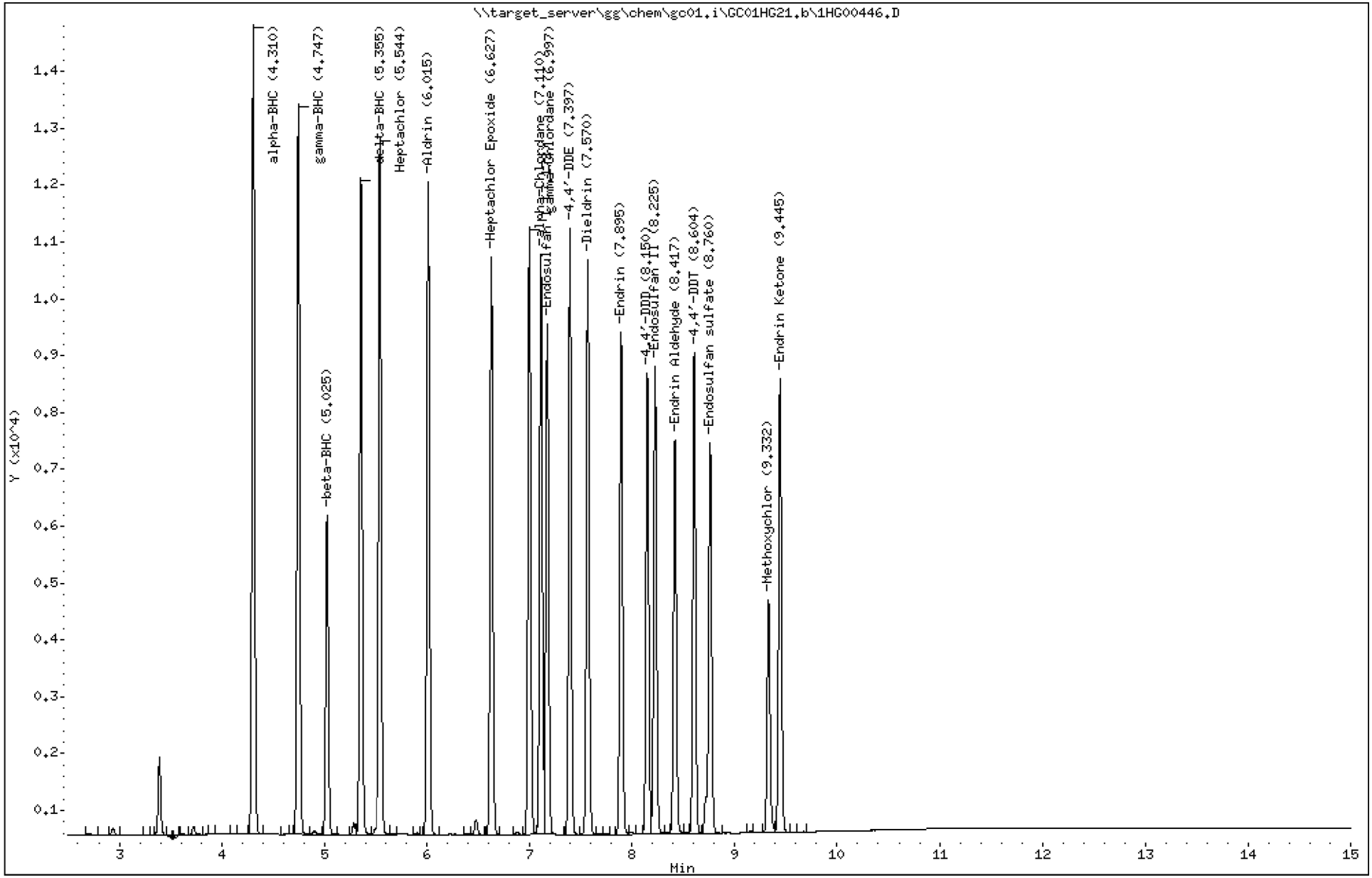
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Inj Date : 21-JUL-2014 12:51
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-15
Misc Info : WG146672,WG146672,WG146672-3
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m
Meth Date : 21-Jul-2014 13:25 jprescott Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: IND.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS		
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	REVIEW CODE
5 alpha-BHC	4.310	4.312	-0.002	14246	0.05353	0.0535	
6 gamma-BHC	4.747	4.749	-0.002	12857	0.05289	0.0529	
7 beta-BHC	5.025	5.027	-0.002	5611	0.05411	0.0541	
8 delta-BHC	5.355	5.357	-0.002	11553	0.05386	0.0538	
9 Heptachlor	5.543	5.546	-0.003	12261	0.05306	0.0531	
10 Aldrin	6.015	6.017	-0.002	11494	0.05297	0.0530	
13 Heptachlor Epoxide	6.627	6.629	-0.002	10175	0.05233	0.0523	
15 gamma-Chlordane	6.997	6.999	-0.002	10688	0.05287	0.0529	
17 alpha-Chlordane	7.110	7.111	-0.001	10216	0.05273	0.0527	
19 4,4'-DDE	7.397	7.399	-0.002	10666	0.05395	0.0540	
20 Endosulfan I	7.172	7.172	0.000	8973	0.05009	0.0501	
21 Dieldrin	7.570	7.572	-0.002	10107	0.05245	0.0524	
23 Endrin	7.895	7.896	-0.001	8852	0.05252	0.0525	
24 4,4'-DDD	8.150	8.151	-0.001	8121	0.05146	0.0515	
26 Endosulfan II	8.225	8.227	-0.002	8226	0.05108	0.0511	
27 4,4'-DDT	8.603	8.606	-0.003	8464	0.05188	0.0519	
28 Endrin Aldehyde	8.417	8.419	-0.002	6916	0.05221	0.0522	
29 Methoxychlor	9.332	9.334	-0.002	4092	0.05017	0.0502	
32 Endosulfan sulfate	8.760	8.762	-0.002	6862	0.05233	0.0523	
33 Endrin Ketone	9.445	9.447	-0.002	7979	0.05063	0.0506	

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Date : 21-JUL-2014 12:51
Client ID:
Instrument: gc01.i
Sample Info: WG146672-15
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-1
Column diameter: 0.53



Katahdin Analytical Services 7000088

Data File: 1HG00446.D
Report Date: 21-Jul-2014 14:00

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00446.D
Lab Smp Id: WG146672-15
Inj Date : 21-JUL-2014 12:51
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-15
Misc Info : WG146672,WG146672,WG146672-3
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m\PEST135.m
Meth Date : 21-Jul-2014 13:26 jprescott Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: IND.sub
Target Version: 4.12
Processing Host: V200T2

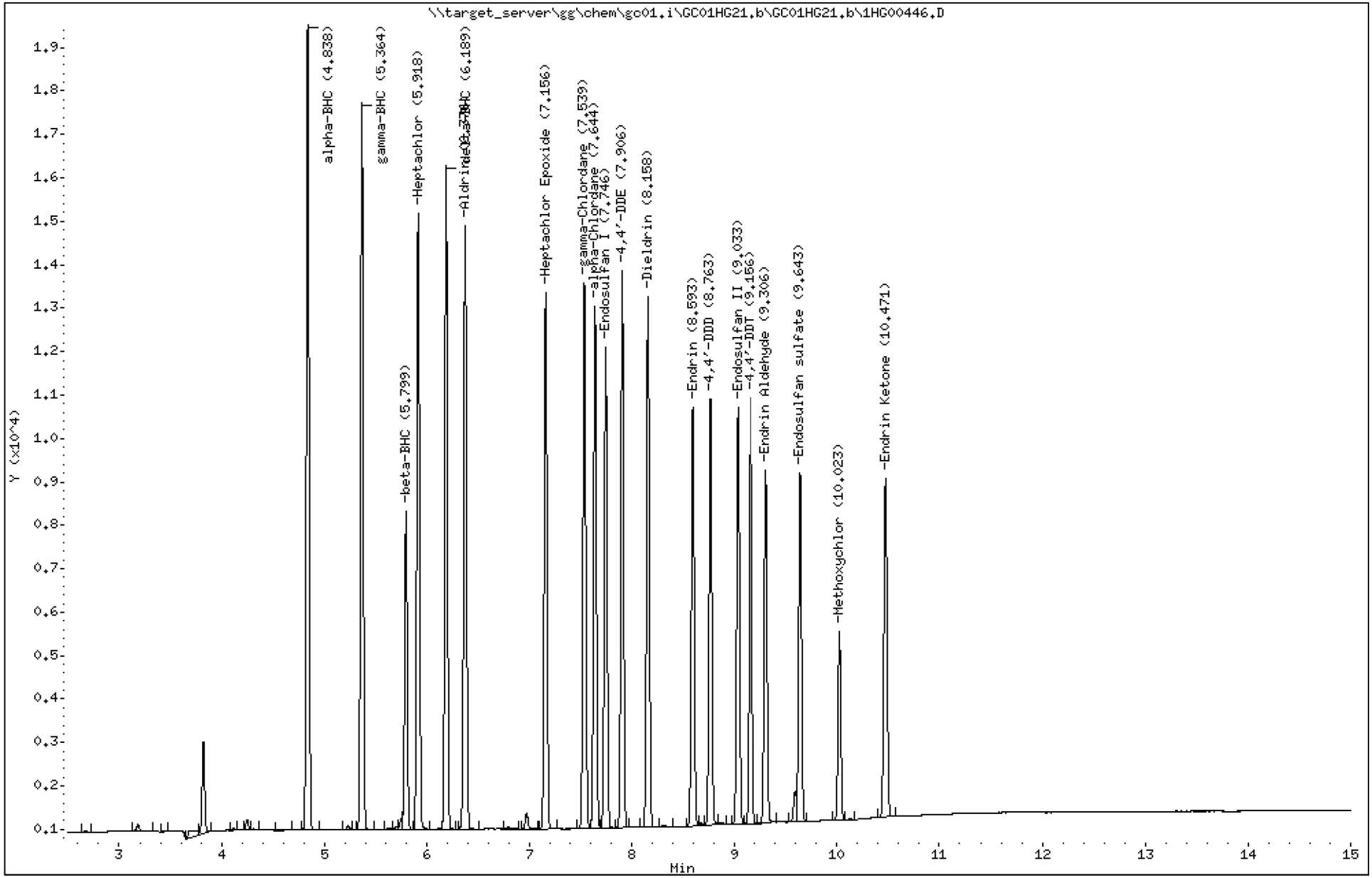
Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS		
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	REVIEW CODE
5 alpha-BHC	4.837	4.839	-0.002	18543	0.05359	0.0536	
6 gamma-BHC	5.364	5.366	-0.002	16738	0.05122	0.0512	
7 beta-BHC	5.799	5.799	0.000	7326	0.05292	0.0529	
8 delta-BHC	6.189	6.191	-0.002	15279	0.05404	0.0540	
9 Heptachlor	5.917	5.919	-0.002	14175	0.05274	0.0527	
10 Aldrin	6.375	6.376	-0.001	13892	0.05173	0.0517	
13 Heptachlor Epoxide	7.155	7.158	-0.003	12340	0.05324	0.0532	
15 gamma-Chlordane	7.539	7.541	-0.002	12546	0.05222	0.0522	
17 alpha-Chlordane	7.644	7.644	0.000	11990	0.05247	0.0525	
19 4,4'-DDE	7.905	7.908	-0.003	12812	0.05313	0.0531	
20 Endosulfan I	7.745	7.748	-0.003	11067	0.05223	0.0522	
21 Dieldrin	8.157	8.158	-0.001	12197	0.05367	0.0537	
23 Endrin	8.592	8.594	-0.002	9646	0.05362	0.0536	
24 4,4'-DDD	8.762	8.764	-0.002	9817	0.05311	0.0531	
26 Endosulfan II	9.032	9.034	-0.002	9584	0.05162	0.0516	
27 4,4'-DDT	9.155	9.158	-0.003	9797	0.05400	0.0540	
28 Endrin Aldehyde	9.305	9.308	-0.003	8132	0.05404	0.0540	
29 Methoxychlor	10.022	10.024	-0.002	4354	0.05266	0.0526	
32 Endosulfan sulfate	9.642	9.643	-0.001	8024	0.05429	0.0543	
33 Endrin Ketone	10.470	10.473	-0.003	7792	0.05061	0.0506	

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00446.D
Date : 21-JUL-2014 12:51
Client ID:
Sample Info: WG146672-15
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2

Instrument: gc01.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 7000090

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146672-16 **Analytical Date:** 07/21/14 13:09
Lab File ID : 1HG00447.D **Instrument ID:** GC01
Initial Calibration Date(s): 06/16/14 16:39 06/16/14 20:07 **Column ID:** A

Compound	$\overline{RRF}$/Amount	RF0.025	CCAL RRF0.025	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
18 Toxaphene(7)	0.50000	0.42902	7196	0.001	-14.19643	20.00000	Linear
18 Toxaphene(9)	0.50000	0.42986	1524	0.001	-14.02817	20.00000	Linear
18 Toxaphene(8)	0.50000	0.46405	2712	0.001	-7.18904	20.00000	Linear
18 Toxaphene(6)	0.50000	0.47105	2628	0.001	-5.78957	20.00000	Linear
18 Toxaphene(4)	0.50000	0.48879	5758	0.001	-2.24214	20.00000	Linear
18 Toxaphene(2)	0.50000	0.49100	2822	0.001	-1.79915	20.00000	Linear
18 Toxaphene(5)	0.50000	0.53139	4440	0.001	6.27796	20.00000	Linear
18 Toxaphene(1)	0.50000	0.56109	1418	0.001	12.21814	20.00000	Linear
18 Toxaphene(3)	0.50000	0.58673	4024	0.001	17.34548	20.00000	Linear

*** = Compound out of QC criteria**

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Report Date: 22-Jul-2014 06:32

Katahdin Analytical Services

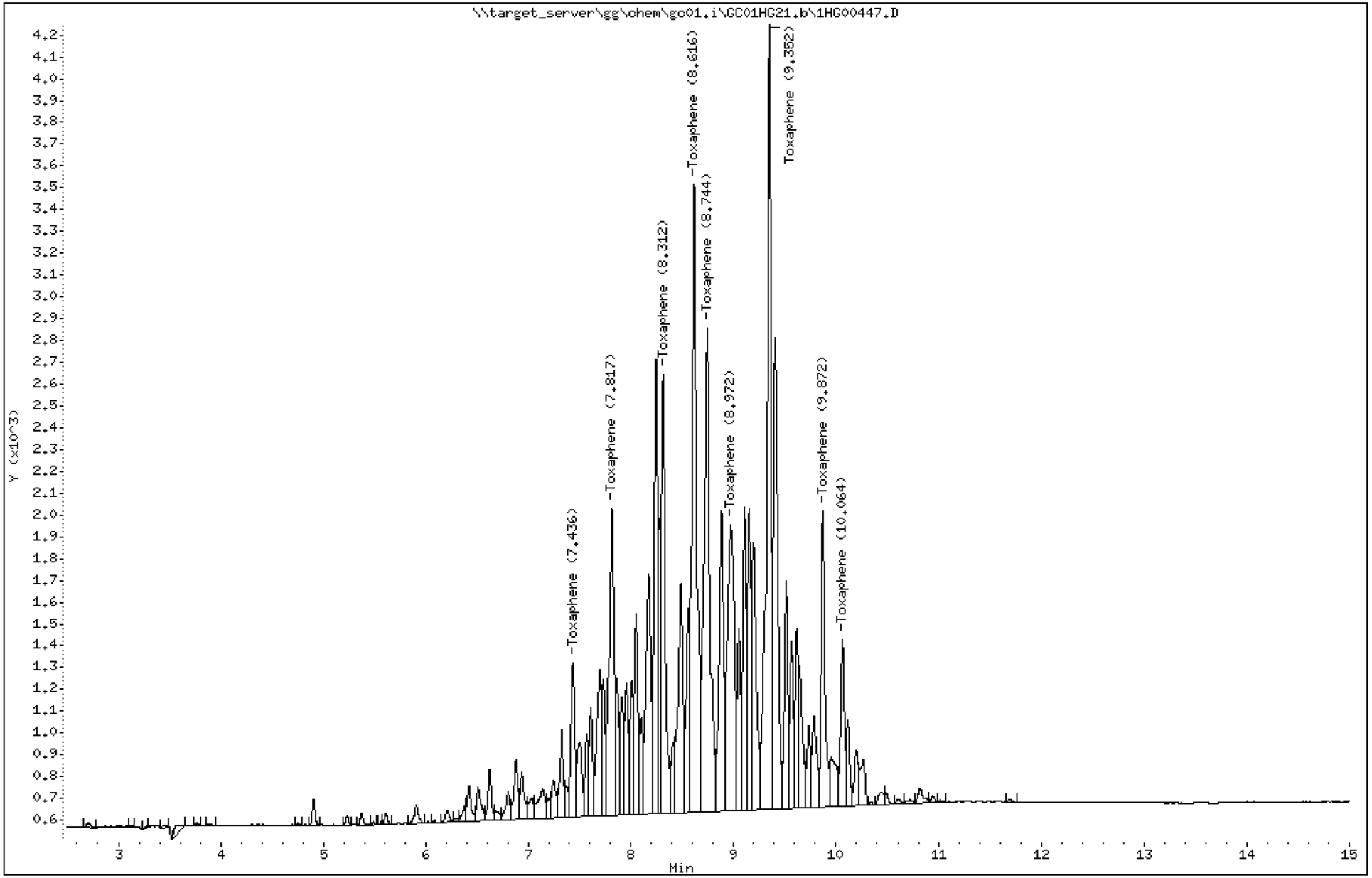
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Lab Smp Id: WG146672-16
Inj Date : 21-JUL-2014 13:09
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-16,WE53-7
Misc Info : WG146672,WG146672,WG144812,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m
Meth Date : 22-Jul-2014 06:18 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2			
7.435	7.435	0.000	709	1.00000	0.561	80.00- 120.00	100.00	
7.817	7.817	0.000	1411	1.00000	0.491	175.94- 263.91	199.01	
8.312	8.312	0.000	2012	1.00000	0.587	270.32- 405.48	283.78	
8.615	8.615	0.000	2879	1.00000	0.489	380.50- 570.75	406.06	
8.744	8.743	0.001	2220	1.00000	0.531	284.70- 427.05	313.12	
8.972	8.970	0.002	1314	1.00000	0.471	174.95- 262.42	185.33	
9.352	9.350	0.002	3598	1.00000	0.429	499.64- 749.47	507.48	
9.872	9.872	0.000	1356	1.00000	0.464	197.72- 296.58	191.26	
10.064	10.063	0.001	762	1.00000	0.430	112.74- 169.11	107.48	
Average of Peak Amounts =					0.49478			

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00447.D
Date : 21-JUL-2014 13:09
Client ID:
Instrument: gc01.i
Sample Info: WG146672-16,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-1
Column diameter: 0.53



Katahdin Analytical Services 7000093

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146672-17 **Analytical Date:** 07/21/14 13:09
Lab File ID : 1HG00447.D **Instrument ID:** GC01
Initial Calibration Date(s): 06/16/14 16:39 06/16/14 20:07 **Column ID:** B

Compound	$\overline{RRF}$/Amount	RF0.025	CCAL RRF0.025	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
18 Toxaphene(8)	0.50000	0.30156	1248	0.001	-39.68822	20.00000	Linear	*
18 Toxaphene(6)	0.50000	0.50625	3578	0.001	1.25055	20.00000	Linear	
18 Toxaphene(9)	0.50000	0.51961	2388	0.001	3.92119	20.00000	Linear	
18 Toxaphene(5)	0.50000	0.52537	3210	0.001	5.07492	20.00000	Linear	
18 Toxaphene(7)	0.50000	0.54014	5384	0.001	8.02714	20.00000	Linear	
18 Toxaphene(4)	0.50000	0.55288	6700	0.001	10.57611	20.00000	Linear	
18 Toxaphene(3)	0.50000	0.56991	4366	0.001	13.98175	20.00000	Linear	
18 Toxaphene(2)	0.50000	0.61131	2022	0.001	22.26161	20.00000	Linear	*
18 Toxaphene(1)	0.50000	0.84826	2320	0.001	69.65214	20.00000	Linear	*

*** = Compound out of QC criteria**

Data File: 1HG00447.D
Report Date: 22-Jul-2014 06:36

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00447.D
Lab Smp Id: WG146672-17
Inj Date : 21-JUL-2014 13:09
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-17,WE53-7
Misc Info : WG146672,WG146672,WG144812,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m\PEST135.m
Meth Date : 22-Jul-2014 06:19 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

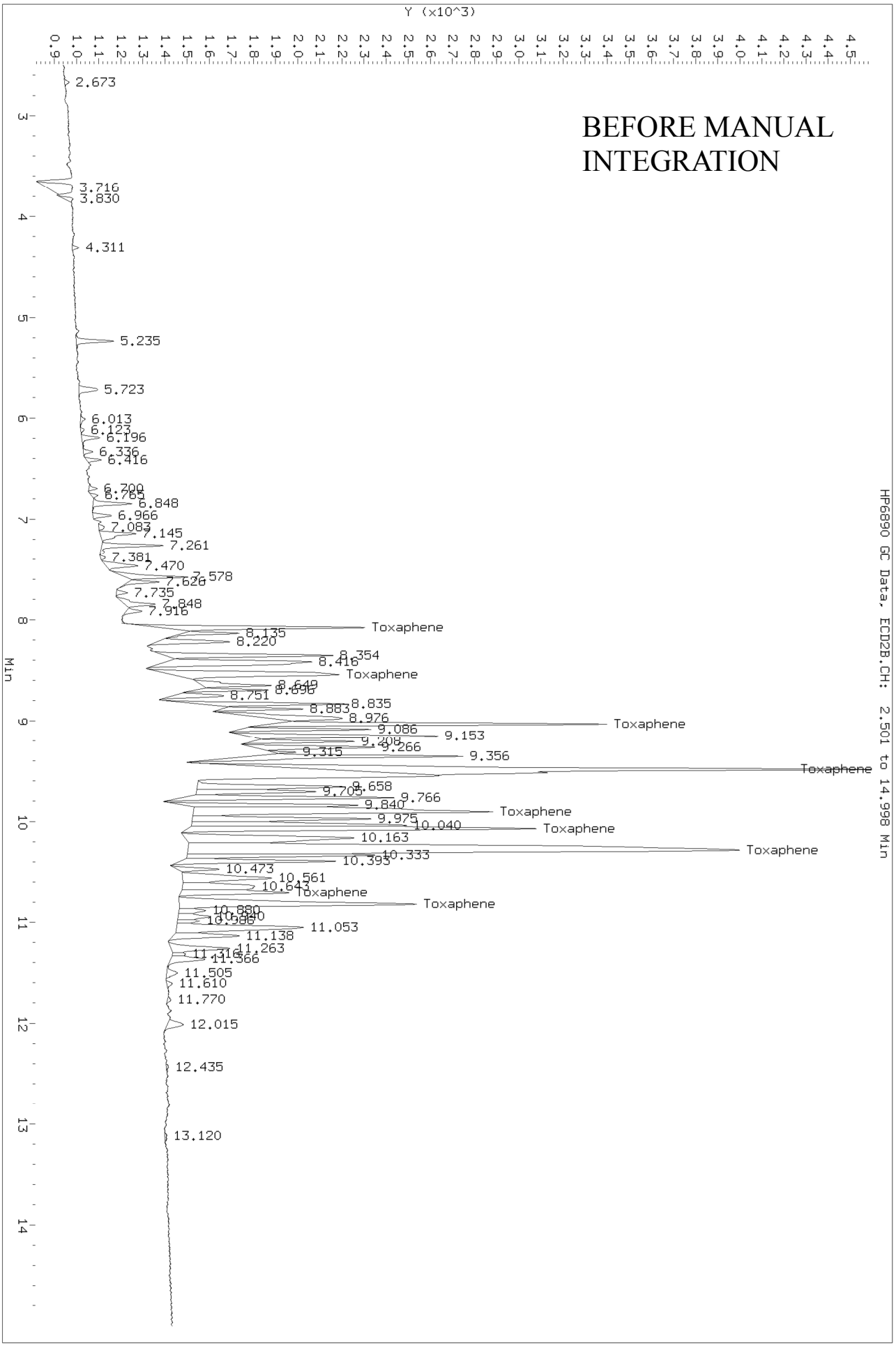
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE	
18 Toxaphene					CAS #: 8001-35-2				
8.077	8.077	0.000	1160	1.00000	0.848	80.00- 120.00	100.00(M)	M5	
8.542	8.540	0.002	1011	1.00000	0.611	74.76- 112.13	87.16		
9.032	9.032	0.000	2183	1.00000	0.570	161.33- 242.00	188.19		
9.486	9.484	0.002	3350	1.00000	0.553	239.45- 359.18	288.79		
9.904	9.905	-0.001	1605	1.00000	0.525	122.66- 183.99	138.36		
10.071	10.072	-0.001	1789	1.00000	0.506	135.42- 203.13	154.22		
10.282	10.282	0.000	2692	1.00000	0.540	206.58- 309.86	232.07		
10.702	10.704	-0.002	624	1.00000	0.302	44.62- 66.93	53.79		
10.816	10.815	0.001	1194	1.00000	0.520	91.27- 136.91	102.93		
Average of Peak Amounts =					0.55278				

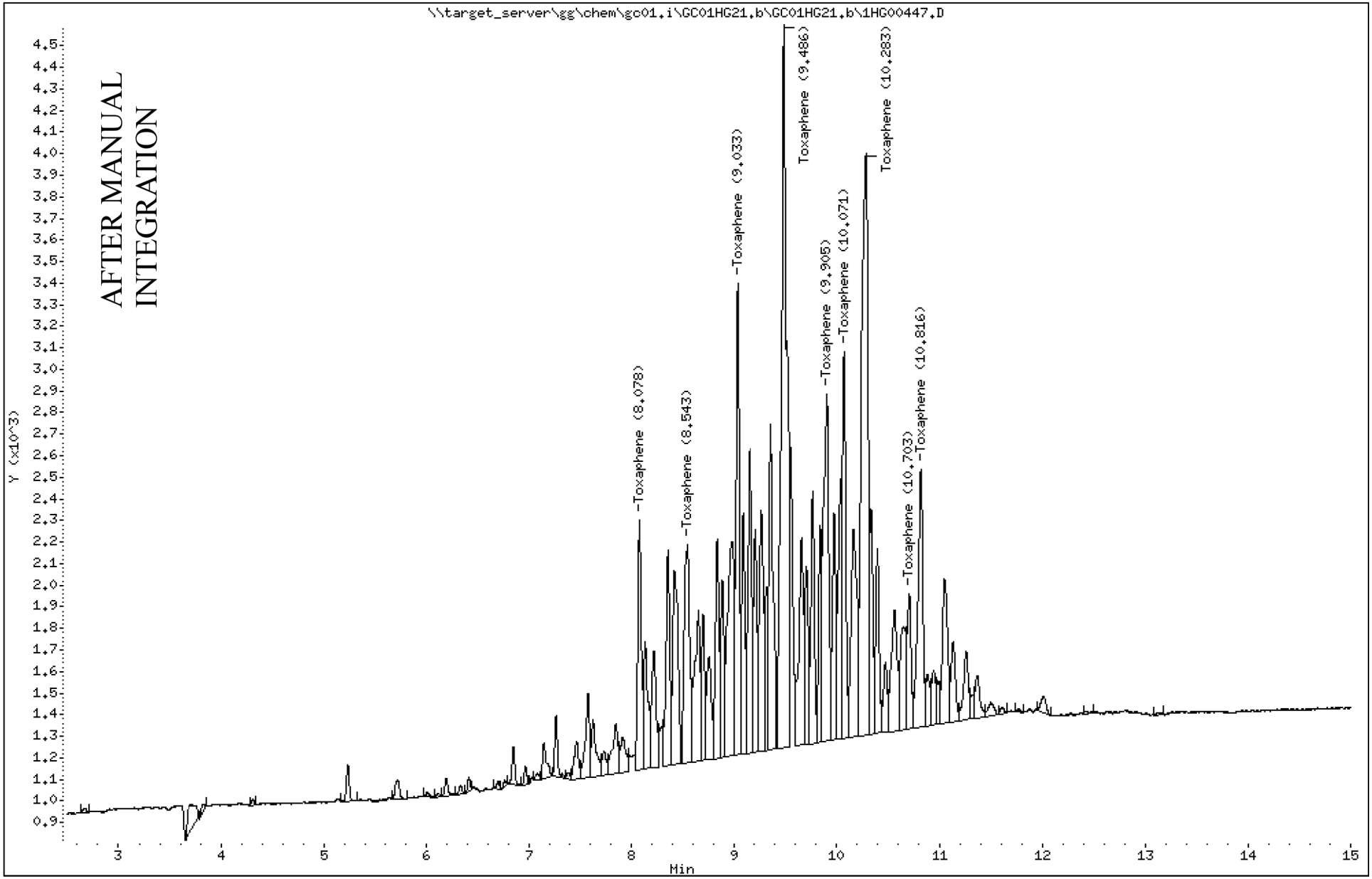
JLP
7:21 am, Jul 22, 2014

QC Flag Legend

M - Compound response manually integrated.


Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00447.D
Injection Date: 21-JUL-2014 13:09
Instrument: gc01.i
Client Sample ID:
BEFORE MANUAL INTEGRATION
HP6890 GC Data, ECD2B.CH: 2.501 to 14.998 Min
Y (x10^3)
Min
2.673
3.716
3.830
4.311
5.235
5.723
6.013
6.123
6.196
6.336
6.416
6.700
6.765
6.848
6.966
7.083
7.145
7.261
7.381
7.470
7.578
7.626
7.735
7.848
7.916
Toxaphene
8.135
8.220
8.354
8.416
Toxaphene
8.649
8.696
8.751
8.835
8.883
8.976
Toxaphene
9.086
9.153
9.208
9.266
9.315
9.356
Toxaphene
8.658
9.705
9.766
9.840
Toxaphene
9.975
10.040
Toxaphene
10.163
Toxaphene
10.333
10.393
10.473
10.561
10.643
Toxaphene
Toxaphene
10.880
10.940
10.985
11.053
11.138
11.263
11.316
11.366
11.505
11.610
11.770
12.015
12.435
13.120

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00447.D
Date : 21-JUL-2014 13:09
Client ID:
Instrument: gc01.i
Sample Info: WG146672-17,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-2
Column diameter: 0.53



Katahdin Analytical Services 7000097

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146672-18 **Analytical Date:** 07/21/14 16:50
Lab File ID : 1HG00459.D **Instrument ID:** GC01
Initial Calibration Date(s): 06/16/14 16:39 07/21/14 12:34 **Column ID:** A

	Compound	$\overline{\text{RRF}}$/Amount	RF0.025	CCAL RRF0.025	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
5	alpha-BHC	266147	270960	270960	0.001	1.80827	20.00000	Averaged
6	gamma-BHC	243102	245240	245240	0.001	0.87933	20.00000	Averaged
7	beta-BHC	103701	100080	100080	0.001	-3.49177	20.00000	Averaged
8	delta-BHC	214507	208440	208440	0.001	-2.82850	20.00000	Averaged
9	Heptachlor	231060	226840	226840	0.001	-1.82651	20.00000	Averaged
10	Aldrin	216996	190520	190520	0.001	-12.20101	20.00000	Averaged
13	Heptachlor Epoxide	194421	180640	180640	0.001	-7.08807	20.00000	Averaged
15	gamma-Chlordane	202166	191960	191960	0.001	-5.04817	20.00000	Averaged
17	alpha-Chlordane	193738	183040	183040	0.001	-5.52173	20.00000	Averaged
19	4,4'-DDE	197697	178400	178400	0.001	-9.76074	20.00000	Averaged
20	Endosulfan I	179140	169560	169560	0.001	-5.34777	20.00000	Averaged
21	Dieldrin	192695	177400	177400	0.001	-7.93725	20.00000	Averaged
23	Endrin	168547	159640	159640	0.001	-5.28477	20.00000	Averaged
24	4,4'-DDD	157799	149160	149160	0.001	-5.47469	20.00000	Averaged
26	Endosulfan II	161034	156440	156440	0.001	-2.85281	20.00000	Averaged
27	4,4'-DDT	163138	154480	154480	0.001	-5.30736	20.00000	Averaged
28	Endrin Aldehyde	132467	128160	128160	0.001	-3.25162	20.00000	Averaged
29	Methoxychlor	81555	77800	77800	0.001	-4.60386	20.00000	Averaged
32	Endosulfan sulfate	131137	124360	124360	0.001	-5.16788	20.00000	Averaged
33	Endrin Ketone	157605	157200	157200	0.001	-0.25676	20.00000	Averaged
4	Tetrachloro-m-Xylene	179756	178480	178480	0.001	-0.71004	20.00000	Averaged
34	Decachlorobiphenyl	108146	102280	102280	0.001	-5.42386	20.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00459.D
Report Date: 22-Jul-2014 06:32

Katahdin Analytical Services

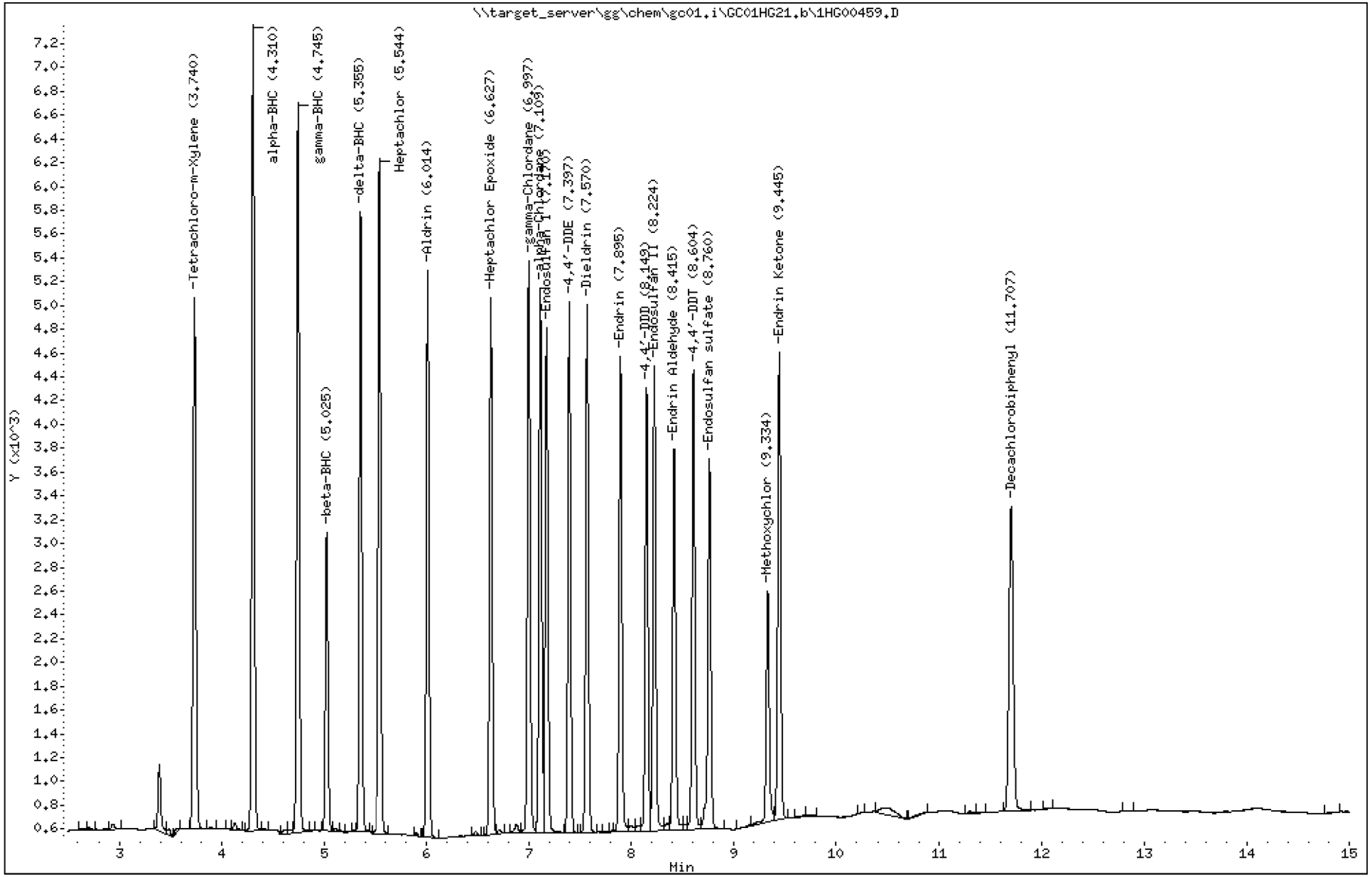
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Lab Smp Id: WG146672-18
Inj Date : 21-JUL-2014 16:50
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-18,WE53-7
Misc Info : WG146672,WG146672,WG146672-3,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m
Meth Date : 22-Jul-2014 06:18 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: cv.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
$ 4	Tetrachloro-m-Xylene	3.740	3.740	0.000	4462	0.05000	0.0248	
5	alpha-BHC	4.310	4.310	0.000	6774	0.05000	0.0254	
6	gamma-BHC	4.745	4.745	0.000	6131	0.05000	0.0252	
7	beta-BHC	5.025	5.025	0.000	2502	0.05000	0.0241	
8	delta-BHC	5.355	5.355	0.000	5211	0.05000	0.0243	
9	Heptachlor	5.543	5.543	0.000	5671	0.05000	0.0245	
10	Aldrin	6.013	6.013	0.000	4763	0.05000	0.0219	
13	Heptachlor Epoxide	6.626	6.626	0.000	4516	0.05000	0.0232	
15	gamma-Chlordane	6.996	6.996	0.000	4799	0.05000	0.0237	
17	alpha-Chlordane	7.108	7.108	0.000	4576	0.05000	0.0236	
19	4,4'-DDE	7.396	7.396	0.000	4460	0.05000	0.0226	
20	Endosulfan I	7.170	7.170	0.000	4239	0.05000	0.0237	
21	Dieldrin	7.570	7.570	0.000	4435	0.05000	0.0230	
23	Endrin	7.895	7.895	0.000	3991	0.05000	0.0237	
24	4,4'-DDD	8.148	8.148	0.000	3729	0.05000	0.0236	
26	Endosulfan II	8.223	8.223	0.000	3911	0.05000	0.0243	
27	4,4'-DDT	8.603	8.603	0.000	3862	0.05000	0.0237	
28	Endrin Aldehyde	8.415	8.415	0.000	3204	0.05000	0.0242	
29	Methoxychlor	9.333	9.333	0.000	1945	0.05000	0.0238	
32	Endosulfan sulfate	8.760	8.760	0.000	3109	0.05000	0.0237	
33	Endrin Ketone	9.445	9.445	0.000	3930	0.05000	0.0249	
$ 34	Decachlorobiphenyl	11.706	11.706	0.000	2557	0.05000	0.0236	

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00459.D
Date : 21-JUL-2014 16:50
Client ID:
Instrument: gc01.i
Sample Info: WG146672-18,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-1
Column diameter: 0.53



Katahdin Analytical Services 7000100

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146672-19 **Analytical Date:** 07/21/14 16:50
Lab File ID : 1HG00459.D **Instrument ID:** GC01
Initial Calibration Date(s): 06/16/14 16:39 07/21/14 12:34 **Column ID:** B

	Compound	$\overline{\text{RRF}}$/Amount	RF0.025	CCAL RRF0.025	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
5	alpha-BHC	346045	348920	348920	0.001	0.83091	20.00000	Averaged	
6	gamma-BHC	326817	307080	307080	0.001	-6.03926	20.00000	Averaged	
7	beta-BHC	138431	127880	127880	0.001	-7.62163	20.00000	Averaged	
8	delta-BHC	282737	262960	262960	0.001	-6.99484	20.00000	Averaged	
9	Heptachlor	268795	272160	272160	0.001	1.25188	20.00000	Averaged	
10	Aldrin	268532	242280	242280	0.001	-9.77600	20.00000	Averaged	
13	Heptachlor Epoxide	231769	203560	203560	0.001	-12.17104	20.00000	Averaged	
15	gamma-Chlordane	240242	195600	195600	0.001	-18.58198	20.00000	Averaged	
17	alpha-Chlordane	228500	182360	182360	0.001	-20.19268	20.00000	Averaged	*
19	4,4'-DDE	241129	193800	193800	0.001	-19.62819	20.00000	Averaged	
20	Endosulfan I	211907	175640	175640	0.001	-17.11471	20.00000	Averaged	
21	Dieldrin	227262	202360	202360	0.001	-10.95753	20.00000	Averaged	
23	Endrin	179907	171760	171760	0.001	-4.52863	20.00000	Averaged	
24	4,4'-DDD	184848	171640	171640	0.001	-7.14516	20.00000	Averaged	
26	Endosulfan II	185648	166040	166040	0.001	-10.56176	20.00000	Averaged	
27	4,4'-DDT	181419	144880	144880	0.001	-20.14052	20.00000	Averaged	*
28	Endrin Aldehyde	150479	123360	123360	0.001	-18.02178	20.00000	Averaged	
29	Methoxychlor	82686	80600	80600	0.001	-2.52280	20.00000	Averaged	
32	Endosulfan sulfate	147804	142640	142640	0.001	-3.49360	20.00000	Averaged	
33	Endrin Ketone	153974	149920	149920	0.001	-2.63291	20.00000	Averaged	
4	Tetrachloro-m-Xylene	235295	237960	237960	0.001	1.13262	20.00000	Averaged	
34	Decachlorobiphenyl	106934	89920	89920	0.001	-15.91049	20.00000	Averaged	

*** = Compound out of QC criteria**

Data File: 1HG00459.D
Report Date: 22-Jul-2014 06:36

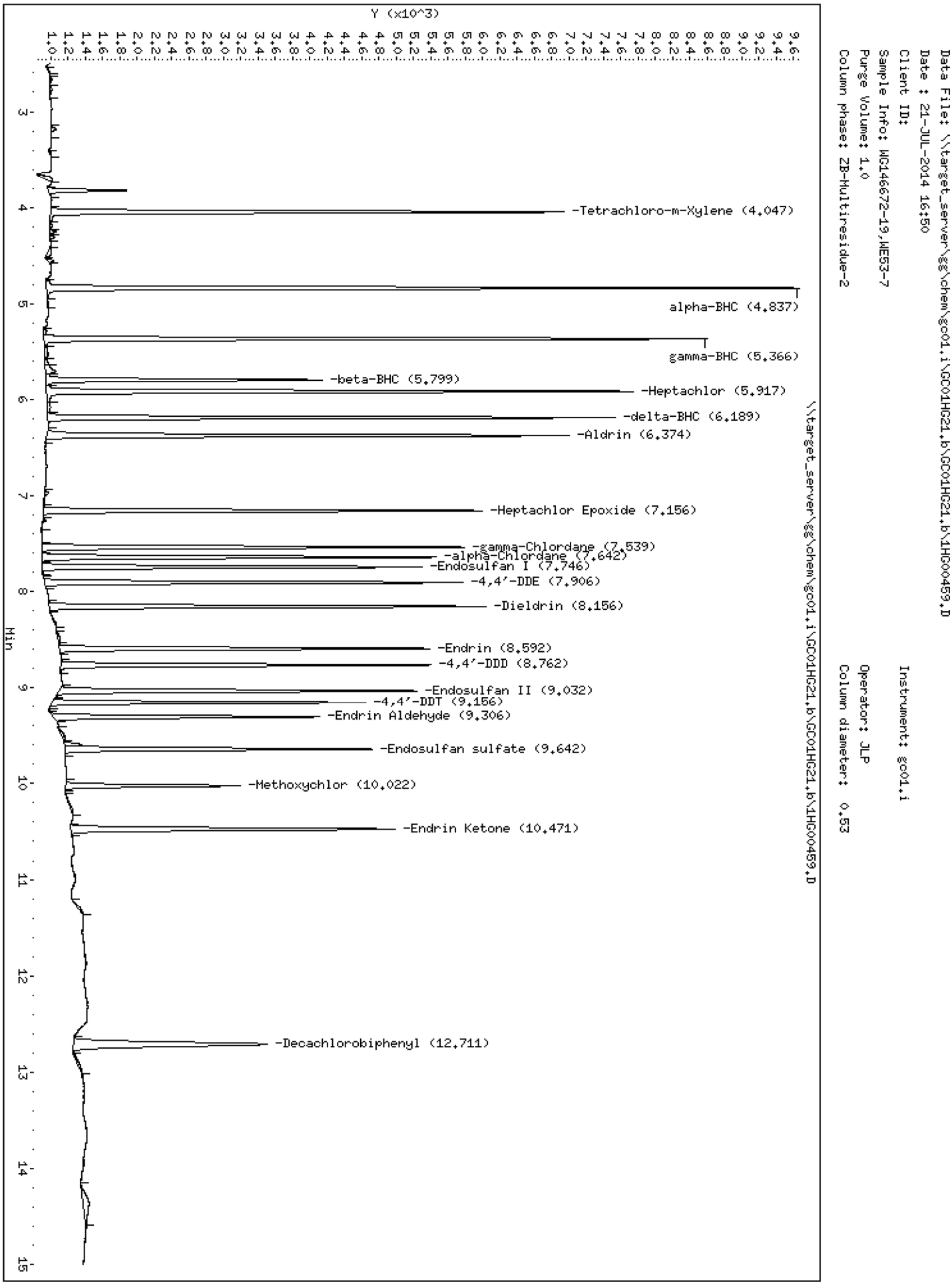
Katahdin Analytical Services

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Inj Date : 21-JUL-2014 16:50
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-19,WE53-7
Misc Info : WG146672,WG146672,WG146672-4,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m\PEST135.m
Meth Date : 22-Jul-2014 06:19 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: cv.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	4.047	4.047	0.000	5949	0.05000	0.0253	
5 alpha-BHC	4.837	4.837	0.000	8723	0.05000	0.0252	
6 gamma-BHC	5.365	5.365	0.000	7677	0.05000	0.0235	
7 beta-BHC	5.799	5.799	0.000	3197	0.05000	0.0231	
8 delta-BHC	6.189	6.189	0.000	6574	0.05000	0.0232	
9 Heptachlor	5.917	5.917	0.000	6804	0.05000	0.0253	
10 Aldrin	6.374	6.374	0.000	6057	0.05000	0.0226	
13 Heptachlor Epoxide	7.155	7.155	0.000	5089	0.05000	0.0220	
15 gamma-Chlordane	7.539	7.539	0.000	4890	0.05000	0.0204	
17 alpha-Chlordane	7.642	7.642	0.000	4559	0.05000	0.0200	
19 4,4'-DDE	7.905	7.905	0.000	4845	0.05000	0.0201	
20 Endosulfan I	7.745	7.745	0.000	4391	0.05000	0.0207	
21 Dieldrin	8.155	8.155	0.000	5059	0.05000	0.0223	
23 Endrin	8.592	8.592	0.000	4294	0.05000	0.0239	
24 4,4'-DDD	8.762	8.762	0.000	4291	0.05000	0.0232	
26 Endosulfan II	9.032	9.032	0.000	4151	0.05000	0.0224	
27 4,4'-DDT	9.155	9.155	0.000	3622	0.05000	0.0200	
28 Endrin Aldehyde	9.305	9.305	0.000	3084	0.05000	0.0205	
29 Methoxychlor	10.022	10.022	0.000	2015	0.05000	0.0244	
32 Endosulfan sulfate	9.642	9.642	0.000	3566	0.05000	0.0241	
33 Endrin Ketone	10.470	10.470	0.000	3748	0.05000	0.0243	
$ 34 Decachlorobiphenyl	12.710	12.710	0.000	2248	0.05000	0.0210	


Data File: \\target_server\gg\chem\gc01.i\GC01HG24.b\GC01HG24.b\1HG00459.D
Date : 21-JUL-2014 16:50
Client ID:
Sample Info: WG146672-19,WE53-7
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2
Instrument: gc01.i
Operator: JLP
Column diameter: 0.53
\\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00459.D
Y (x10^3)
Min
-Tetrachloro-m-Xylene (4.047)
alpha-BHC (4.837)
gamma-BHC (5.366)
-beta-BHC (5.799)
-Heptachlor (5.917)
-delta-BHC (6.189)
-Aldrin (6.374)
-Heptachlor Epoxide (7.156)
-gamma-Chlordane (7.539)
-alpha-Chlordane (7.642)
-Endosulfan I (7.746)
-4,4'-DDE (7.906)
-Dieldrin (8.156)
-Endrin (8.592)
-4,4'-DDD (8.762)
-Endosulfan II (9.032)
-4,4'-DDT (9.156)
-Endrin Aldehyde (9.306)
-Endosulfan sulfate (9.642)
-Methoxychlor (10.022)
-Endrin Ketone (10.471)
-Decachlorobiphenyl (12.711)

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146672-20 **Analytical Date:** 07/21/14 17:07
Lab File ID : 1HG00460.D **Instrument ID:** GC01
Initial Calibration Date(s): 06/16/14 16:39 06/16/14 20:07 **Column ID:** A

Compound	$\overline{RRF}$/Amount	RF0.025	CCAL RRF0.025	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
18 Toxaphene(7)	0.50000	0.41776	7020	0.001	-16.44722	20.00000	Linear
18 Toxaphene(2)	0.50000	0.43490	2472	0.001	-13.01989	20.00000	Linear
18 Toxaphene(9)	0.50000	0.44111	1584	0.001	-11.77894	20.00000	Linear
18 Toxaphene(6)	0.50000	0.44479	2458	0.001	-11.04155	20.00000	Linear
18 Toxaphene(4)	0.50000	0.45437	5346	0.001	-9.12527	20.00000	Linear
18 Toxaphene(1)	0.50000	0.45820	1124	0.001	-8.35923	20.00000	Linear
18 Toxaphene(8)	0.50000	0.47434	2778	0.001	-5.13209	20.00000	Linear
18 Toxaphene(5)	0.50000	0.48252	4000	0.001	-3.49598	20.00000	Linear
18 Toxaphene(3)	0.50000	0.55745	3798	0.001	11.49076	20.00000	Linear

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00460.D
Report Date: 22-Jul-2014 06:32

Katahdin Analytical Services

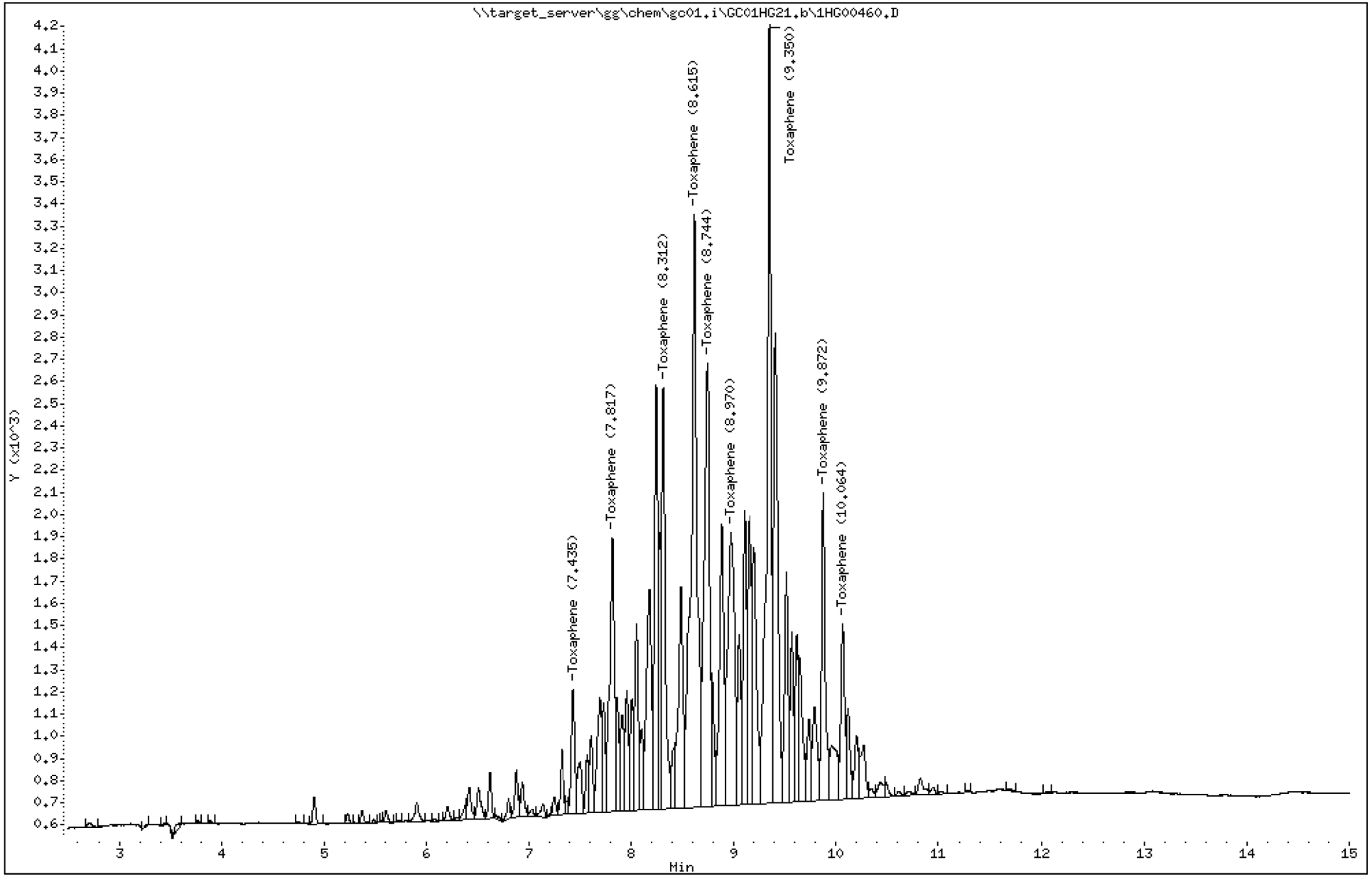
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Inj Date : 21-JUL-2014 17:07
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-20,WE53-7
Misc Info : WG146672,WG146672,WG144812,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m
Meth Date : 22-Jul-2014 06:18 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 23 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
18 Toxaphene						CAS #: 8001-35-2		
7.435	7.435	0.000	562	1.00000	0.458	80.00- 120.00	100.00	
7.817	7.817	0.000	1236	1.00000	0.435	175.94- 263.91	219.93	
8.312	8.312	0.000	1899	1.00000	0.557	270.32- 405.48	337.90	
8.615	8.615	0.000	2673	1.00000	0.454	380.50- 570.75	475.62	
8.743	8.743	0.000	2000	1.00000	0.482	284.70- 427.05	355.87	
8.970	8.970	0.000	1229	1.00000	0.445	174.95- 262.42	218.68	
9.350	9.350	0.000	3510	1.00000	0.418	499.64- 749.47	624.56	
9.872	9.872	0.000	1389	1.00000	0.474	197.72- 296.58	247.15	
10.063	10.063	0.000	792	1.00000	0.441	112.74- 169.11	140.93	
Average of Peak Amounts =					0.46267			

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00460.D
Date : 21-JUL-2014 17:07
Client ID:
Instrument: gc01.i
Sample Info: WG146672-20,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-1
Column diameter: 0.53



Katahdin Analytical Services 7000106

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146672-21 **Analytical Date:** 07/21/14 17:07
Lab File ID : 1HG00460.D **Instrument ID:** GC01
Initial Calibration Date(s): 06/16/14 16:39 06/16/14 20:07 **Column ID:** B

Compound	$\overline{RRF}$/Amount	RF0.025	CCAL RRF0.025	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
18 Toxaphene(8)	0.50000	0.27917	1140	0.001	-44.16608	20.00000	Linear	*
18 Toxaphene(6)	0.50000	0.49106	3460	0.001	-1.78715	20.00000	Linear	
18 Toxaphene(4)	0.50000	0.50555	6118	0.001	1.11064	20.00000	Linear	
18 Toxaphene(9)	0.50000	0.50823	2332	0.001	1.64672	20.00000	Linear	
18 Toxaphene(5)	0.50000	0.51418	3134	0.001	2.83691	20.00000	Linear	
18 Toxaphene(7)	0.50000	0.52967	5278	0.001	5.93325	20.00000	Linear	
18 Toxaphene(3)	0.50000	0.54053	4122	0.001	8.10501	20.00000	Linear	
18 Toxaphene(2)	0.50000	0.58263	1910	0.001	16.52528	20.00000	Linear	
18 Toxaphene(1)	0.50000	0.75458	2044	0.001	50.91618	20.00000	Linear	*

*** = Compound out of QC criteria**

Data File: 1HG00460.D
Report Date: 22-Jul-2014 06:36

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00460.D
Lab Smp Id: WG146672-21
Inj Date : 21-JUL-2014 17:07
Operator : JLP Inst ID: gc01.i
Smp Info : WG146672-21,WE53-7
Misc Info : WG146672,WG146672,WG144812,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m\PEST135.m
Meth Date : 22-Jul-2014 06:19 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 23 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Tox.sub
Target Version: 4.12 Sample Matrix: WATER

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

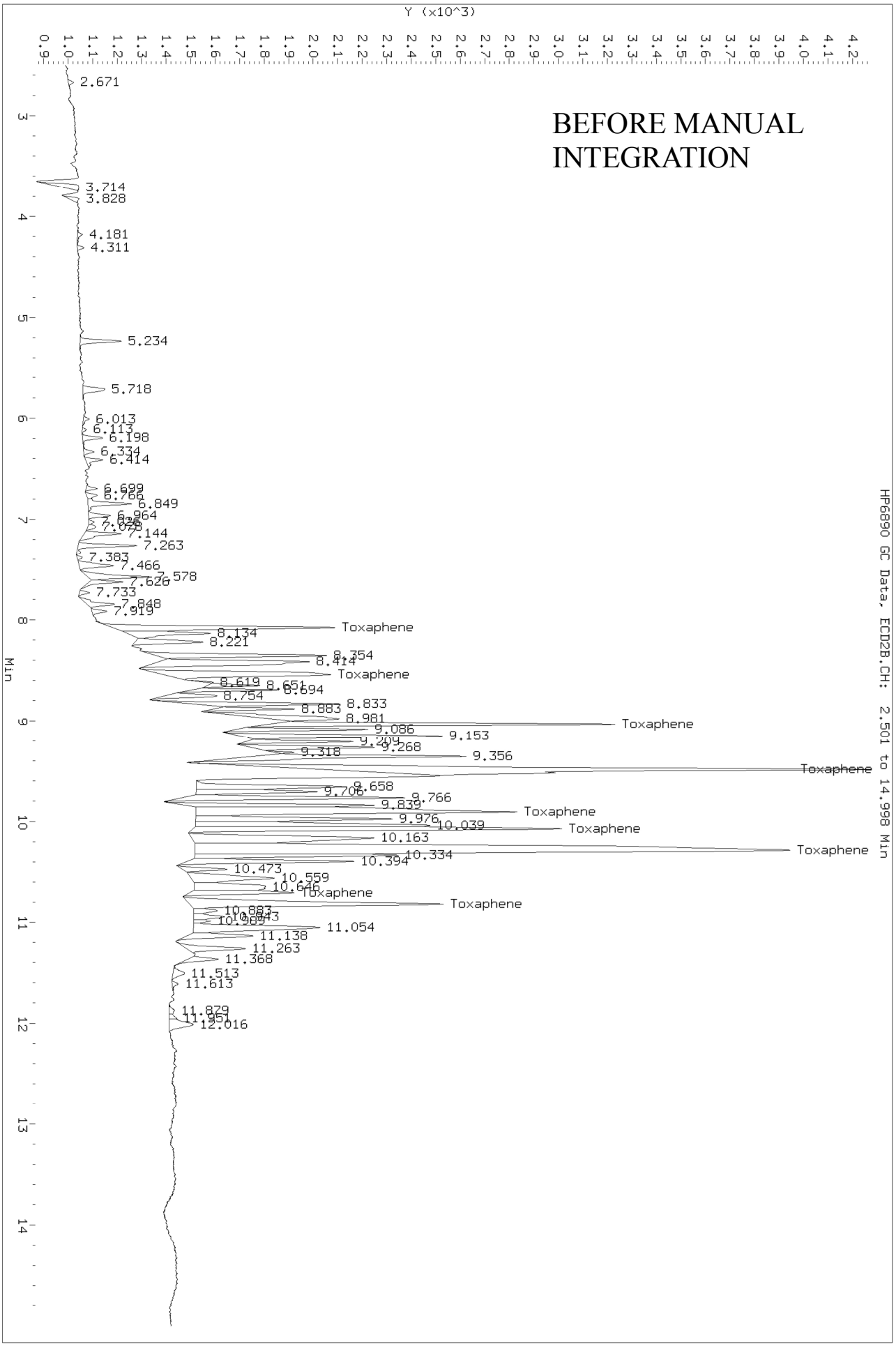
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO		REVIEW CODE
18 Toxaphene					CAS #: 8001-35-2				
8.077	8.077	0.000	1022	1.00000	0.754	80.00- 120.00	100.00(M)	M5	
8.540	8.540	0.000	955	1.00000	0.583	74.76- 112.13	93.44		
9.032	9.032	0.000	2061	1.00000	0.540	161.33- 242.00	201.66		
9.484	9.484	0.000	3059	1.00000	0.506	239.45- 359.18	299.32		
9.905	9.905	0.000	1567	1.00000	0.514	122.66- 183.99	153.33		
10.072	10.072	0.000	1730	1.00000	0.491	135.42- 203.13	169.28		
10.282	10.282	0.000	2639	1.00000	0.530	206.58- 309.86	258.22		
10.704	10.704	0.000	570	1.00000	0.279	44.62- 66.93	55.77		
10.815	10.815	0.000	1166	1.00000	0.508	91.27- 136.91	114.09		
Average of Peak Amounts =					0.52278				

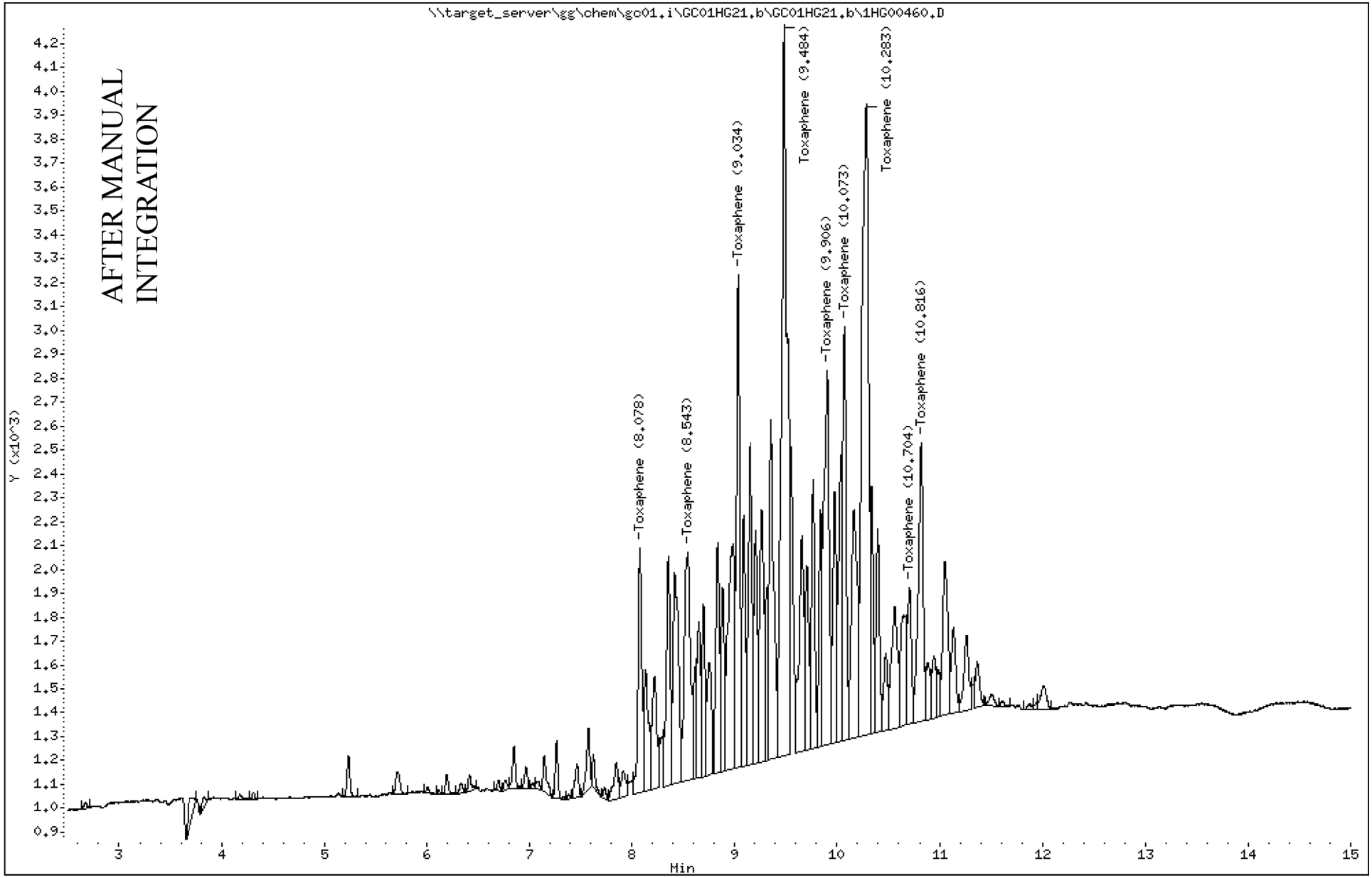
JLP
7:21 am, Jul 22, 2014

QC Flag Legend

M - Compound response manually integrated.


Y (x10^3)
Min
BEFORE MANUAL INTEGRATION
Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00460.D
Injection Date: 21-JUL-2014 17:07
Instrument: gc01.i
Client Sample ID:
HP6890 GC Data, ECD2B.CH: 2.501 to 14.998 Min
2.671
3.714
3.828
4.181
4.311
5.234
5.718
6.013
6.113
6.198
6.334
6.414
6.699
6.766
6.849
6.964
7.144
7.263
7.383
7.466
7.578
7.626
7.733
7.848
7.919
Toxaphene
8.134
8.221
8.354
8.414
Toxaphene
8.619
8.651
8.694
8.754
8.833
8.883
8.981
Toxaphene
9.086
9.153
9.204
9.268
9.318
9.356
Toxaphene
8.658
9.706
9.766
9.839
Toxaphene
9.976
10.039
Toxaphene
10.163
Toxaphene
10.334
10.394
10.473
10.559
10.646
Toxaphene
Toxaphene
10.883
10.943
11.054
11.138
11.263
11.368
11.513
11.613
11.829
11.951
12.016

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00460.D
Date : 21-JUL-2014 17:07
Client ID:
Instrument: gc01.i
Sample Info: WG146672-21,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-2
Column diameter: 0.53



Katahdin Analytical Services 7000110

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG145481-1RA
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: 1HG00448.D

Sample Date:
Received Date:
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145481

Analysis Date: 21-JUL-14
Analyst: JLP
Analysis Method: SW846 8081B
Matrix: AQ
% Solids: NA
Report Date: 22-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.0050	ug/L	1	.05	0.010	0.0014	0.0050
Gamma-BHC	U	0.0050	ug/L	1	.05	0.010	0.0014	0.0050
Heptachlor	U	0.0050	ug/L	1	.05	0.010	0.0016	0.0050
Aldrin	U	0.0050	ug/L	1	.05	0.010	0.0015	0.0050
beta-BHC	U	0.0050	ug/L	1	.05	0.010	0.0013	0.0050
delta-BHC	U	0.0050	ug/L	1	.05	0.010	0.0026	0.0050
Heptachlor Epoxide	U	0.0050	ug/L	1	.05	0.010	0.0015	0.0050
Endosulfan I	U	0.0050	ug/L	1	.05	0.010	0.0013	0.0050
Gamma-Chlordane	U	0.0050	ug/L	1	.05	0.010	0.0012	0.0050
Alpha-Chlordane	U	0.0050	ug/L	1	.05	0.010	0.0015	0.0050
4,4'-DDE	U	0.010	ug/L	1	.1	0.020	0.00098	0.010
Dieldrin	U	0.010	ug/L	1	.1	0.020	0.0013	0.010
Endrin	U	0.010	ug/L	1	.1	0.020	0.0017	0.010
4,4'-DDD	U	0.010	ug/L	1	.1	0.020	0.0018	0.010
Endosulfan II	U	0.010	ug/L	1	.1	0.020	0.0011	0.010
4,4'-DDT	U	0.010	ug/L	1	.1	0.020	0.0018	0.010
Endrin Aldehyde	U	0.010	ug/L	1	.1	0.020	0.0012	0.010
Endosulfan Sulfate	U	0.010	ug/L	1	.1	0.020	0.0013	0.010
Methoxychlor	U	0.050	ug/L	1	.5	0.10	0.0017	0.050
Endrin Ketone	U	0.010	ug/L	1	.1	0.020	0.0016	0.010
Toxaphene	U	0.10	ug/L	1	1	0.20	0.034	0.10
Tetrachloro-M-Xylene		44.2	%					
Decachlorobiphenyl		77.5	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00448.D
Report Date: 22-Jul-2014 06:32

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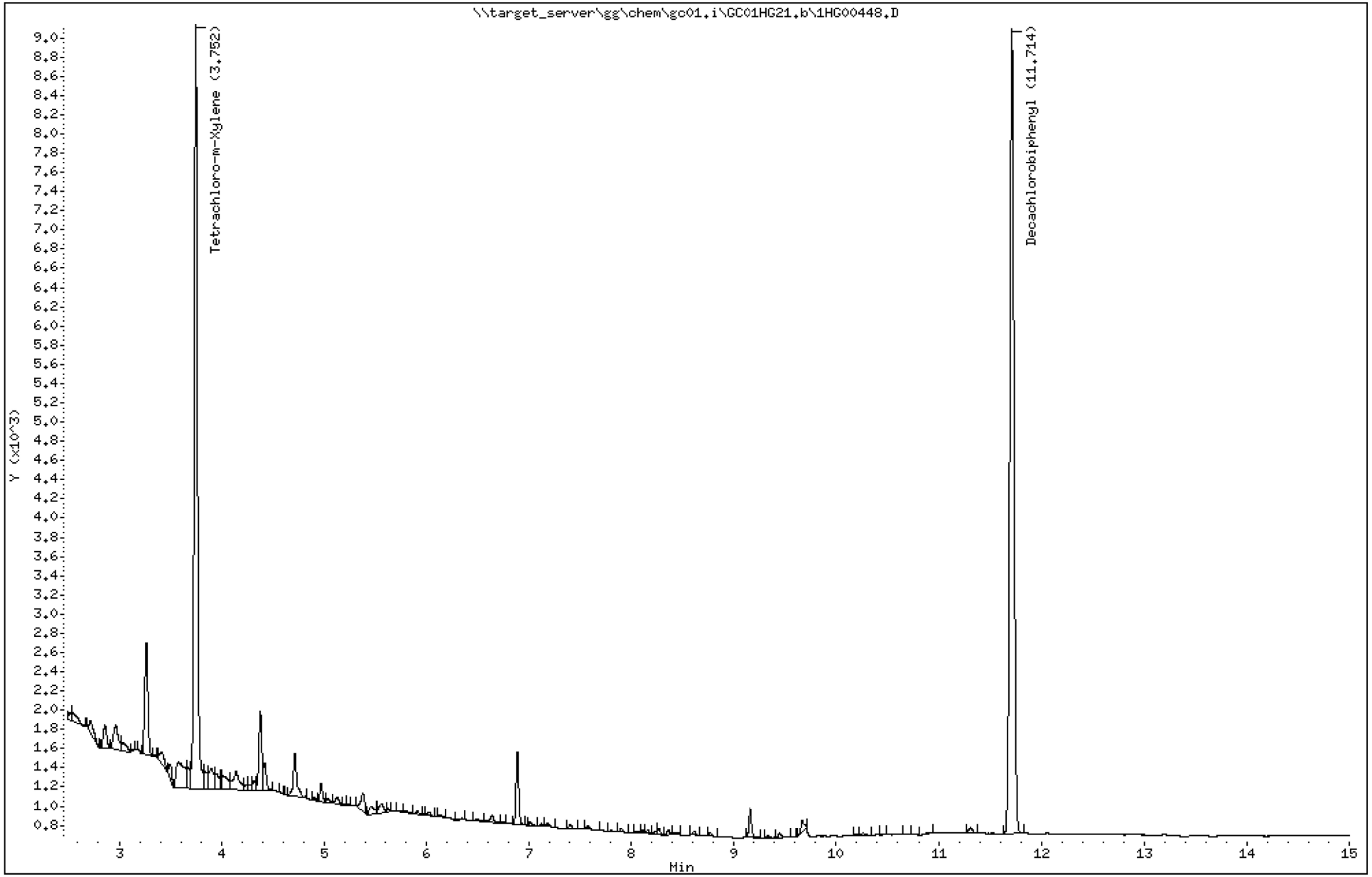
Data file : \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00448.D
Lab Smp Id: WG145481-1RA Client Smp ID: WG145481-Blank
Inj Date : 21-JUL-2014 13:38
Operator : JLP Inst ID: gc01.i
Smp Info : WG145481-1RA,WE53-7
Misc Info : WG146672,WG145481,WG146672-3,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m
Meth Date : 22-Jul-2014 06:18 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoD8081.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS		
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.752	3.740	0.012	7954	0.04425	0.0885	
$ 34 Decachlorobiphenyl	11.714	11.706	0.008	8375	0.07744	0.155	

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00448.D
Date : 21-JUL-2014 13:38
Client ID: WG145481-Blank
Instrument: gc01.i
Sample Info: WG145481-1RA,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-1
Column diameter: 0.53



Katahdin Analytical Services 7000114

Data File: 1HG00448.D
Report Date: 22-Jul-2014 06:36

Katahdin Analytical Services

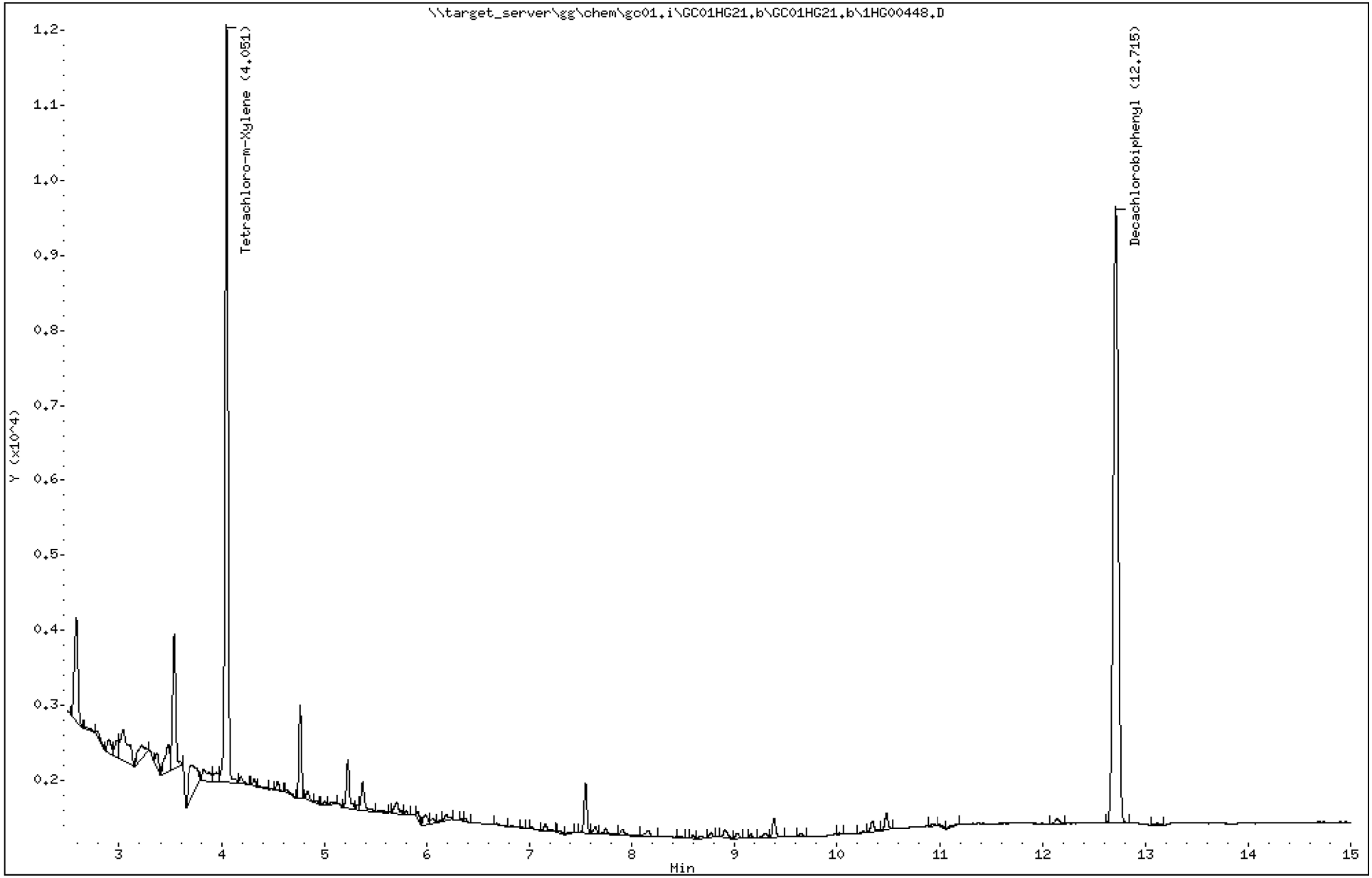
Data file : \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00448.D
Lab Smp Id: WG145481-1RA Client Smp ID: WG145481-Blank
Inj Date : 21-JUL-2014 13:38
Operator : JLP Inst ID: gc01.i
Smp Info : WG145481-1RA,WE53-7
Misc Info : WG146672,WG145481,WG146672-4,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m\PEST135.m
Meth Date : 22-Jul-2014 06:19 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoD8081.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	4.051	4.047	0.004	10116	0.04299	0.0860	
$ 34 Decachlorobiphenyl	12.714	12.710	0.004	8218	0.07685	0.154	

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00448.D
Date : 21-JUL-2014 13:38
Client ID: WG145481-Blank
Instrument: gc01.i
Sample Info: WG145481-1RA,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-2
Column diameter: 0.53



Katahdin Analytical Services 7000116

LCS/LCSD Recovery Report

LCS ID: WG145481-2RA
LCSD ID: WG145481-3RA
Project:
SDG: WE53-7
Report Date: 22-JUL-14
LCS File ID: 1HG00449.D

Received Date:
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145481
LCSD File ID: 1HG00450.D

Analysis Date: 21-JUL-14
Analyst: JLP
Analysis Method: SW846 8081B
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
alpha-BHC	0.100	0.0624	62.4	0.0733	73.3	ug/L	16	30	60-130
Gamma-BHC	0.100	0.0679	67.9	0.0783	78.3	ug/L	14	30	25-135
Heptachlor	0.100	0.0550	55.0	0.0670	67.0	ug/L	20	30	40-130
Aldrin	0.100	0.0508	50.8	0.0600	60.0	ug/L	17	30	25-140
beta-BHC	0.100	0.0716	71.6	0.0820	82.0	ug/L	14	30	65-125
delta-BHC	0.100	0.0744	74.4	0.0871	87.1	ug/L	16	30	45-135
Heptachlor Epoxide	0.100	0.0760	76.0	0.0864	86.4	ug/L	13	30	60-130
Endosulfan I	0.100	0.0685	68.5	0.0757	75.7	ug/L	10	30	50-110
Gamma-Chlordane	0.100	0.0675	67.5	0.0786	78.6	ug/L	15	30	60-125
Alpha-Chlordane	0.100	0.0718	71.8	0.0814	81.4	ug/L	12	30	65-125
4,4'-DDE	0.100	0.0729	72.9	0.0802	80.2	ug/L	10	30	35-140
Dieldrin	0.100	0.0789	78.9	0.0855	85.5	ug/L	8	30	60-130
Endrin	0.100	0.0779	77.9	0.0864	86.4	ug/L	10	30	55-135
4,4'-DDD	0.100	0.0860	86.0	0.0840	84.0	ug/L	2	30	25-150
Endosulfan II	0.100	0.0705	70.5	0.0787	78.7	ug/L	11	30	30-130
4,4'-DDT	0.100	0.0821	82.1	0.0838	83.8	ug/L	2	30	45-140
Endrin Aldehyde	0.100	0.0496	49.6*	0.0580	58.0	ug/L	16	30	55-135
Endosulfan Sulfate	0.100	0.0801	80.1	0.0868	86.8	ug/L	8	30	55-135
Methoxychlor	0.100	0.0772	77.2	0.0820	82.0	ug/L	6	30	55-150
Endrin Ketone	0.100	0.0777	77.7	0.0823	82.3	ug/L	6	30	75-125
Tetrachloro-M-Xylene			37.8		46.2				25-140
Decachlorobiphenyl			73.0		76.5				30-135

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00449.D
Report Date: 22-Jul-2014 06:32

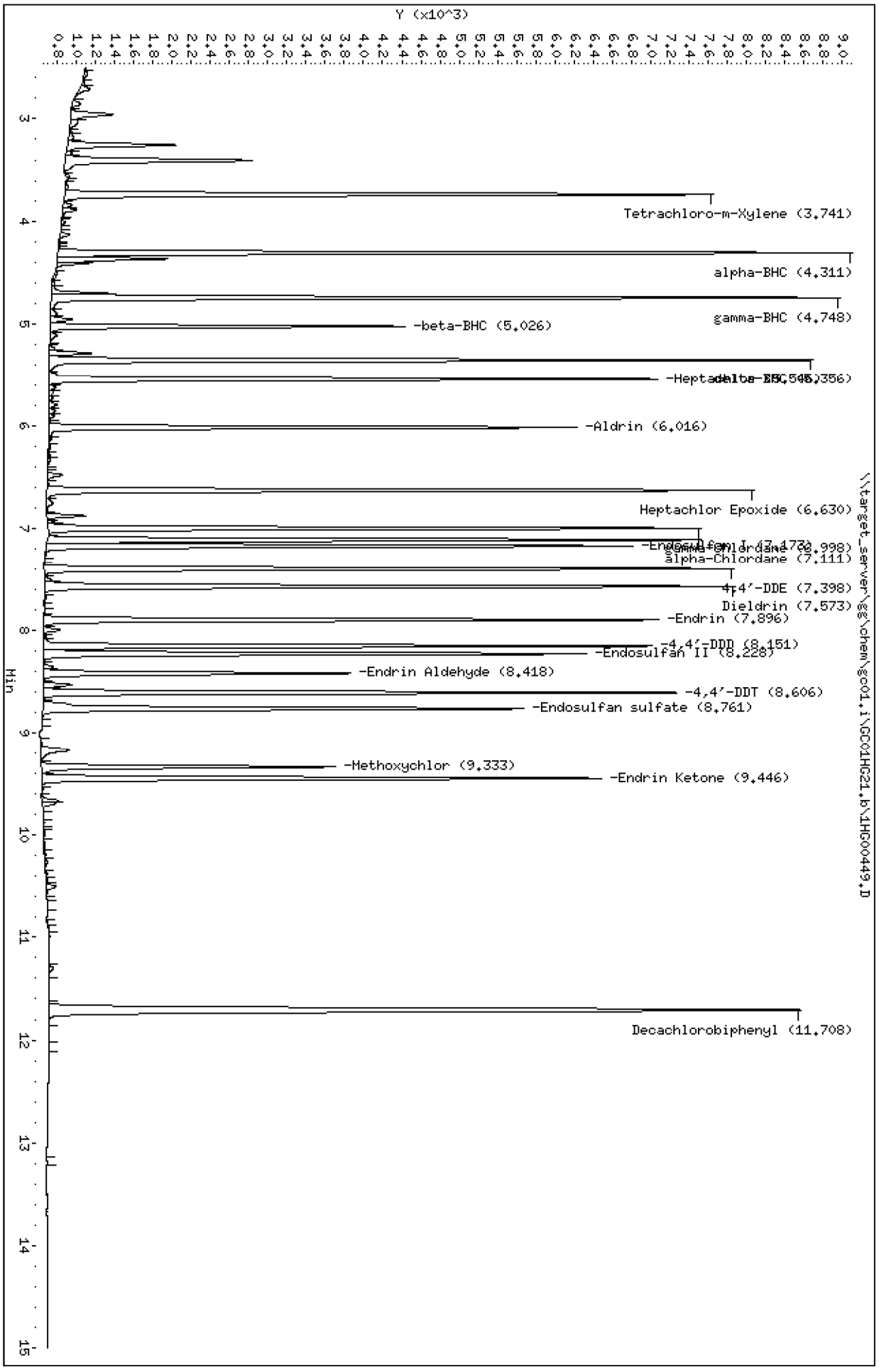
Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00449.D
Lab Smp Id: WG145481-2RA Client Smp ID: WG145481-LCS
Inj Date : 21-JUL-2014 13:55
Operator : JLP Inst ID: gc01.i
Smp Info : WG145481-2RA,WE53-7
Misc Info : WG146672,WG145481,WG146672-3,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m
Meth Date : 22-Jul-2014 06:18 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDLCS.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.741	3.740	0.001	6791	0.03778	0.0756	
5 alpha-BHC	4.311	4.310	0.001	8309	0.03122	0.0624	
6 gamma-BHC	4.748	4.745	0.003	8254	0.03395	0.0679	
7 beta-BHC	5.026	5.025	0.001	3713	0.03580	0.0716	
8 delta-BHC	5.356	5.355	0.001	7984	0.03722	0.0744	
9 Heptachlor	5.546	5.543	0.003	6359	0.02752	0.0550	
10 Aldrin	6.016	6.013	0.003	5512	0.02540	0.0508	
13 Heptachlor Epoxide	6.629	6.626	0.003	7389	0.03801	0.0760	
15 gamma-Chlordane	6.998	6.996	0.002	6828	0.03377	0.0675	
17 alpha-Chlordane	7.111	7.108	0.003	6836	0.03528	0.0706	
20 Endosulfan I	7.173	7.170	0.003	6134	0.03424	0.0685	
19 4,4'-DDE	7.398	7.396	0.002	7205	0.03644	0.0729	
21 Dieldrin	7.573	7.570	0.003	7212	0.03743	0.0748	
23 Endrin	7.896	7.895	0.001	6435	0.03818	0.0764	
24 4,4'-DDD	8.151	8.148	0.003	6360	0.04030	0.0806	
26 Endosulfan II	8.228	8.223	0.005	5678	0.03526	0.0705	
28 Endrin Aldehyde	8.418	8.415	0.003	3208	0.02422	0.0484(R)	
27 4,4'-DDT	8.606	8.603	0.003	6615	0.04055	0.0811	
32 Endosulfan sulfate	8.761	8.760	0.001	5031	0.03836	0.0767	
29 Methoxychlor	9.333	9.333	0.000	3075	0.03770	0.0754(a)	
33 Endrin Ketone	9.446	9.445	0.001	5844	0.03708	0.0742(R)	
$ 34 Decachlorobiphenyl	11.708	11.706	0.002	7869	0.07276	0.146	


Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00449.D
Date : 21-JUL-2014 13:55
Client ID: WG145481-LCS
Sample Info: WG145481-2RA,WE53-7
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1
Instrument: gc01.i
Operator: JLP
Column diameter: 0.53
\\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00449.D
Y (x10^3)
Min
Tetrachloro-m-Xylene (3.741)
alpha-BHC (4.311)
gamma-BHC (4.748)
-beta-BHC (5.026)
-Aldrin (6.016)
Heptachlor Epoxide (6.630)
alpha-Chlordane (7.111)
4,4'-DDE (7.398)
Dieldrin (7.573)
-Endrin (7.896)
-4,4'-DDD (8.151)
-Endosulfan II (8.228)
-Endrin Aldehyde (8.418)
-4,4'-DDT (8.606)
-Endosulfan sulfate (8.761)
-Methoxychlor (9.333)
-Endrin Ketone (9.446)
Decachlorobiphenyl (11.708)

Data File: 1HG00449.D
Report Date: 22-Jul-2014 06:36

Katahdin Analytical Services

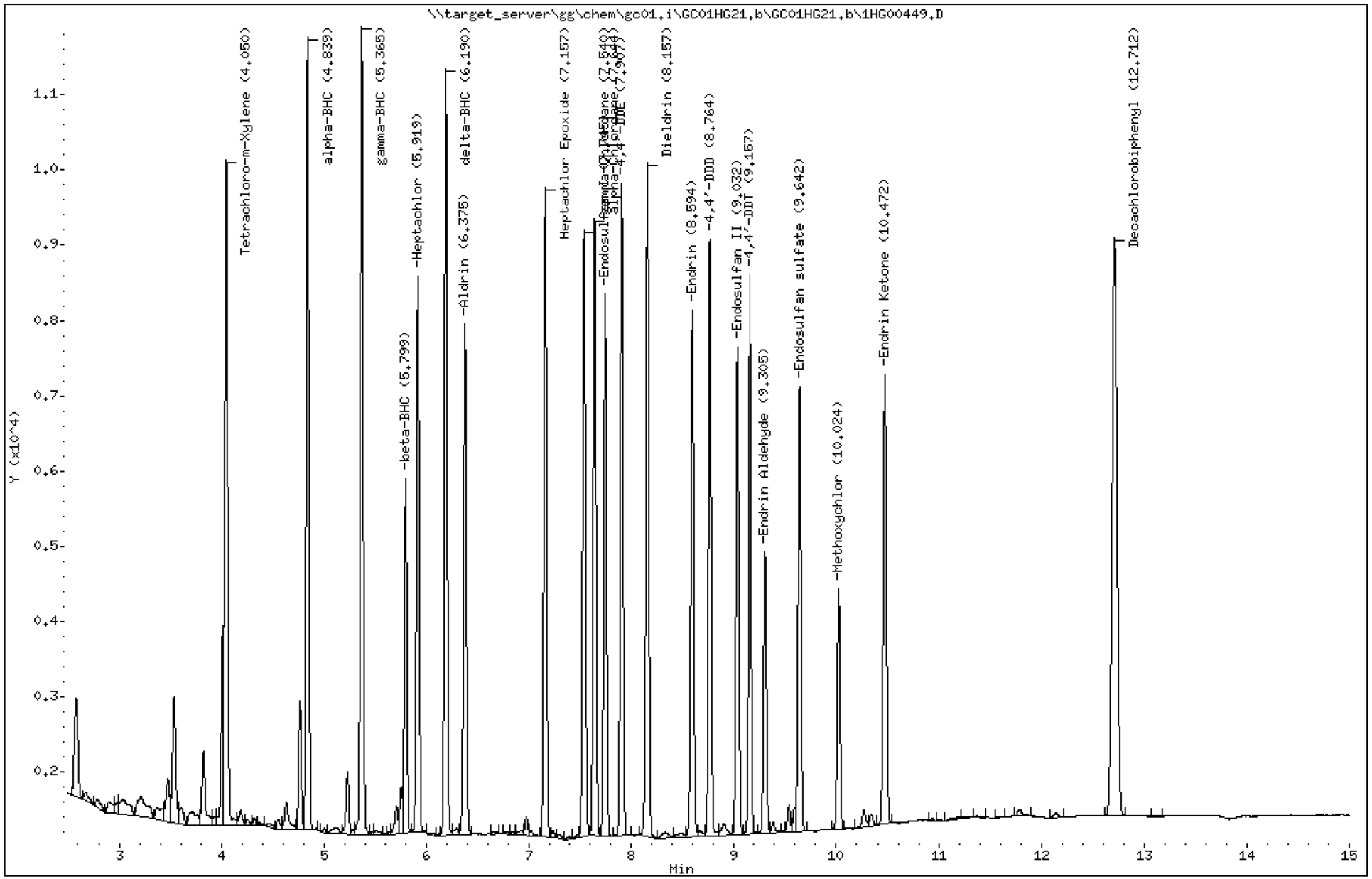
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Lab Smp Id: WG145481-2RA Client Smp ID: WG145481-LCS
Inj Date : 21-JUL-2014 13:55
Operator : JLP Inst ID: gc01.i
Smp Info : WG145481-2RA,WE53-7
Misc Info : WG146672,WG145481,WG146672-4,SH4521-24
Comment   :
Method   : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m\PEST135.m
Meth Date : 22-Jul-2014 06:19 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDLCS.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	4.050	4.047	0.003	8859	0.03765	0.0753	
5 alpha-BHC	4.838	4.837	0.001	10540	0.03046	0.0609	
6 gamma-BHC	5.365	5.365	0.000	10759	0.03292	0.0658	
7 beta-BHC	5.798	5.799	-0.001	4714	0.03405	0.0681	
8 delta-BHC	6.190	6.189	0.001	10207	0.03610	0.0722	
9 Heptachlor	5.918	5.917	0.001	7391	0.02750	0.0550	
10 Aldrin	6.375	6.374	0.001	6793	0.02530	0.0506	
13 Heptachlor Epoxide	7.156	7.155	0.001	8650	0.03732	0.0746	
15 gamma-Chlordane	7.540	7.539	0.001	8071	0.03360	0.0672	
17 alpha-Chlordane	7.643	7.642	0.001	8204	0.03590	0.0718	
20 Endosulfan I	7.745	7.745	0.000	7224	0.03409	0.0682	
19 4,4'-DDE	7.906	7.905	0.001	8675	0.03598	0.0720	
21 Dieldrin	8.156	8.155	0.001	8971	0.03947	0.0789	
23 Endrin	8.593	8.592	0.001	7009	0.03896	0.0779	
24 4,4'-DDD	8.763	8.762	0.001	7945	0.04298	0.0860	
26 Endosulfan II	9.031	9.032	-0.001	6481	0.03491	0.0698	
28 Endrin Aldehyde	9.305	9.305	0.000	3735	0.02482	0.0496(R)	
27 4,4'-DDT	9.156	9.155	0.001	7451	0.04107	0.0821	
32 Endosulfan sulfate	9.641	9.642	-0.001	5922	0.04007	0.0801	
29 Methoxychlor	10.023	10.022	0.001	3191	0.03859	0.0772(a)	
33 Endrin Ketone	10.471	10.470	0.001	5979	0.03883	0.0777	
$ 34 Decachlorobiphenyl	12.711	12.710	0.001	7691	0.07192	0.144	

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Date : 21-JUL-2014 13:55
Client ID: WG145481-LCS
Instrument: gc01.i
Sample Info: WG145481-2RA,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-2
Column diameter: 0.53



Katahdin Analytical Services 7000121

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00450.D
Report Date: 22-Jul-2014 06:32

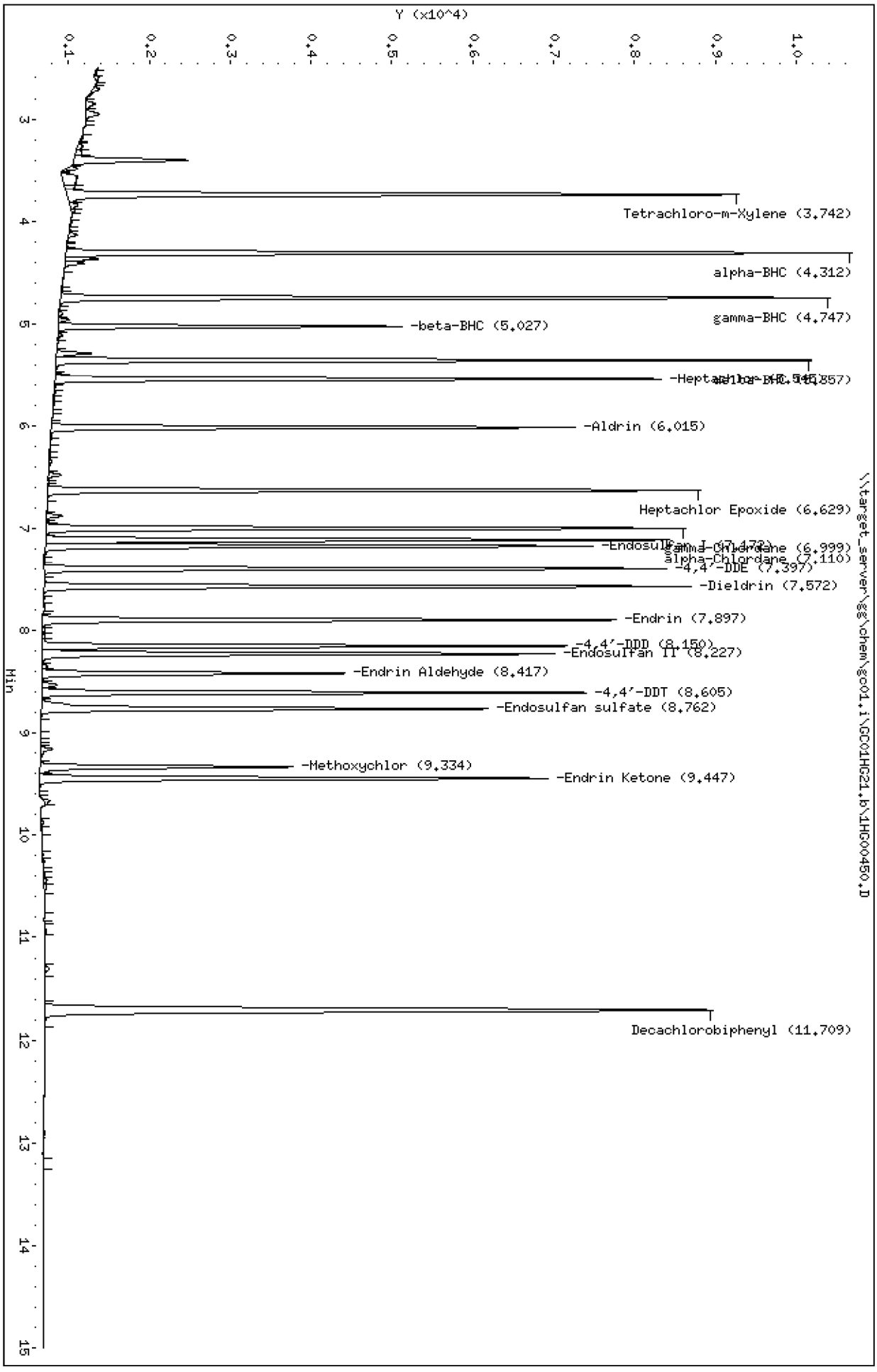
Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00450.D
Lab Smp Id: WG145481-3RA Client Smp ID: WG145481-LCSD
Inj Date : 21-JUL-2014 14:13
Operator : JLP Inst ID: gc01.i
Smp Info : WG145481-3RA,WE53-7
Misc Info : WG146672,WG145481,WG146672-3,SH4521-24
Comment :
Method : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m
Meth Date : 22-Jul-2014 06:18 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 13 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDLCS.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 Tetrachloro-m-Xylene	3.742	3.740	0.002	8306	0.04621	0.0924	
5 alpha-BHC	4.312	4.310	0.002	9719	0.03652	0.0730	
6 gamma-BHC	4.747	4.745	0.002	9515	0.03914	0.0783	
7 beta-BHC	5.027	5.025	0.002	4252	0.04100	0.0820	
8 delta-BHC	5.357	5.355	0.002	9339	0.04354	0.0871	
9 Heptachlor	5.545	5.543	0.002	7503	0.03247	0.0649	
10 Aldrin	6.015	6.013	0.002	6474	0.02983	0.0597	
13 Heptachlor Epoxide	6.628	6.626	0.002	8077	0.04154	0.0831	
15 gamma-Chlordane	6.998	6.996	0.002	7910	0.03913	0.0782	
17 alpha-Chlordane	7.110	7.108	0.002	7710	0.03980	0.0796	
20 Endosulfan I	7.172	7.170	0.002	6780	0.03785	0.0757	
19 4,4'-DDE	7.397	7.396	0.001	7700	0.03895	0.0779	
21 Dieldrin	7.572	7.570	0.002	7995	0.04149	0.0830	
23 Endrin	7.897	7.895	0.002	7095	0.04210	0.0842	
24 4,4'-DDD	8.150	8.148	0.002	6480	0.04106	0.0821	
26 Endosulfan II	8.227	8.223	0.004	6334	0.03933	0.0787	
28 Endrin Aldehyde	8.417	8.415	0.002	3737	0.02821	0.0564	
27 4,4'-DDT	8.605	8.603	0.002	6720	0.04119	0.0824	
32 Endosulfan sulfate	8.762	8.760	0.002	5525	0.04213	0.0843	
29 Methoxychlor	9.333	9.333	0.000	3126	0.03833	0.0767(a)	
33 Endrin Ketone	9.447	9.445	0.002	6288	0.03990	0.0798	
$ 34 Decachlorobiphenyl	11.708	11.706	0.002	8262	0.07640	0.153	


Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00450.D
Date : 21-JUL-2014 14:13
Client ID: WG145481-LCSD
Sample Info: WG145481-3RA,WE53-7
Purge Volume: 1.0
Column phase: ZB-Multiresidue-1
Instrument: gc01.i
Operator: JLP
Column diameter: 0.53
Y (x10^4)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
3
4
5
6
7
8
9
10
11
12
13
14
15
Min
Tetrachloro-m-Xylene (3.742)
alpha-BHC (4.312)
gamma-BHC (4.747)
-beta-BHC (5.027)
-Heptachlor (5.345)
-Aldrin (6.015)
Heptachlor Epoxide (6.629)
-Endosulfan I (7.172)
gamma-Chlordane (6.999)
alpha-Chlordane (7.110)
-4,4'-DDE (7.397)
-Dieldrin (7.572)
-Endrin (7.897)
-4,4'-DDD (8.150)
-Endosulfan II (8.227)
-Endrin Aldehyde (8.417)
-4,4'-DDT (8.605)
-Endosulfan sulfate (8.762)
-Methoxychlor (9.334)
-Endrin Ketone (9.447)
Decachlorobiphenyl (11.709)
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Data File: 1HG00450.D
Report Date: 22-Jul-2014 06:36

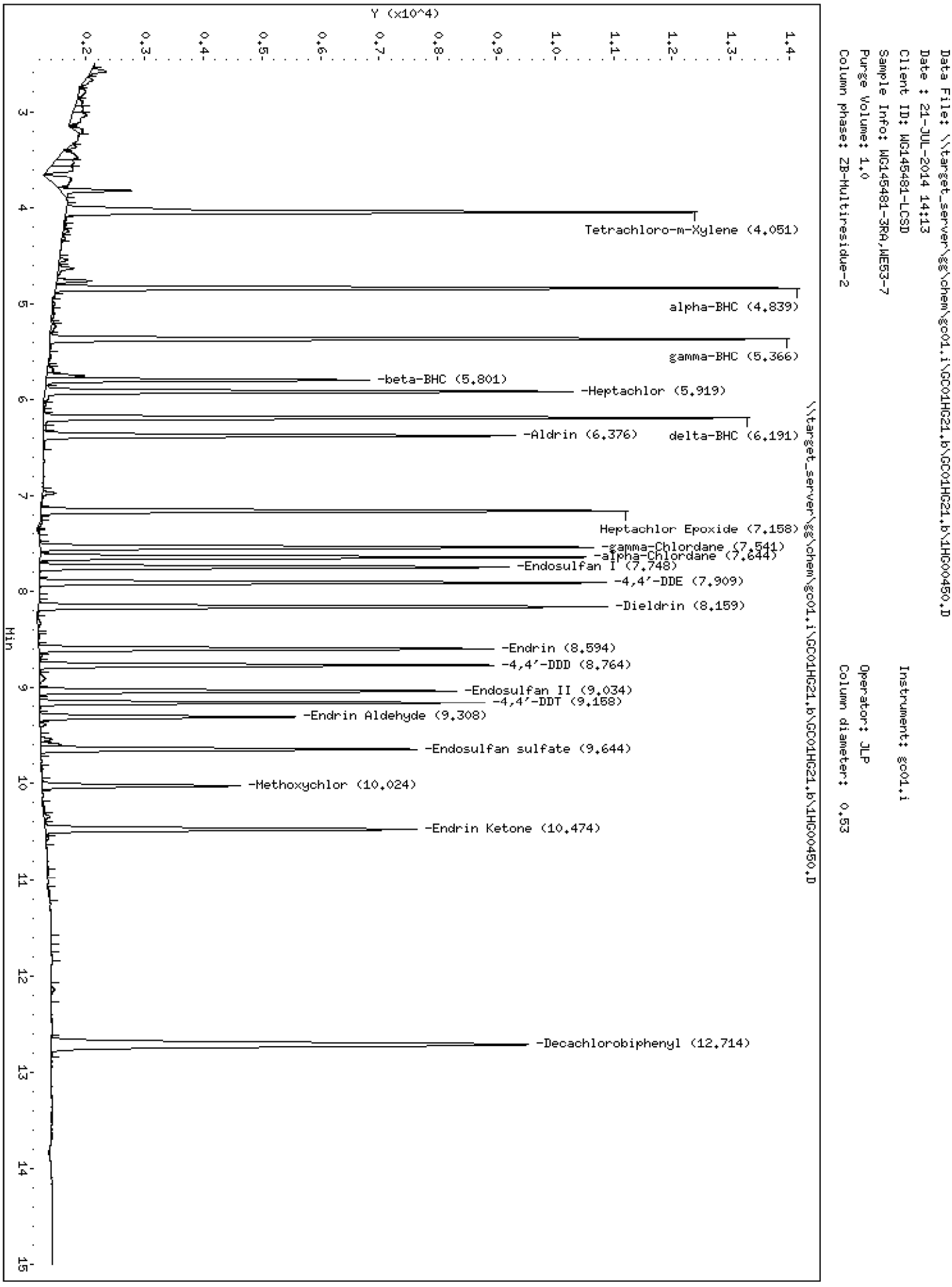
Katahdin Analytical Services

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Inj Date : 21-JUL-2014 14:13
Operator : JLP Inst ID: gc01.i
Smp Info : WG145481-3RA,WE53-7
Misc Info : WG146672,WG145481,WG146672-4,SH4521-24
Comment   :
Method   : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m\PEST135.m
Meth Date : 22-Jul-2014 06:19 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 13 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDLCS.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4	Tetrachloro-m-Xylene	4.050	4.047	0.003	10769	0.04577	0.0915	
5	alpha-BHC	4.839	4.837	0.002	12689	0.03667	0.0733	
6	gamma-BHC	5.365	5.365	0.000	12604	0.03857	0.0771	
7	beta-BHC	5.800	5.799	0.001	5520	0.03988	0.0798	
8	delta-BHC	6.190	6.189	0.001	12052	0.04263	0.0852	
9	Heptachlor	5.919	5.917	0.002	9012	0.03353	0.0670	
10	Aldrin	6.375	6.374	0.001	8055	0.03000	0.0600	
13	Heptachlor Epoxide	7.157	7.155	0.002	10014	0.04321	0.0864	
15	gamma-Chlordane	7.540	7.539	0.001	9439	0.03929	0.0786	
17	alpha-Chlordane	7.644	7.642	0.002	9304	0.04072	0.0814	
20	Endosulfan I	7.747	7.745	0.002	8019	0.03784	0.0757	
19	4,4'-DDE	7.909	7.905	0.004	9668	0.04009	0.0802	
21	Dieldrin	8.159	8.155	0.004	9720	0.04277	0.0855	
23	Endrin	8.594	8.592	0.002	7768	0.04318	0.0864	
24	4,4'-DDD	8.764	8.762	0.002	7759	0.04198	0.0840	
26	Endosulfan II	9.034	9.032	0.002	7121	0.03836	0.0767	
28	Endrin Aldehyde	9.307	9.305	0.002	4362	0.02899	0.0580	
27	4,4'-DDT	9.157	9.155	0.002	7597	0.04188	0.0838	
32	Endosulfan sulfate	9.644	9.642	0.002	6411	0.04338	0.0868	
29	Methoxychlor	10.024	10.022	0.002	3389	0.04099	0.0820(a)	
33	Endrin Ketone	10.474	10.470	0.004	6339	0.04117	0.0823	
$ 34	Decachlorobiphenyl	12.714	12.710	0.004	8144	0.07616	0.152	


Data File: \\target_server\gg\chem\gc01.i\GC01HG24.b\GC01HG24.b\1HG00450.D
Date : 21-JUL-2014 14:13
Client ID: WG145481-LCSD
Sample Info: WG145481-3RA,WE53-7
Purge Volume: 1.0
Column phase: ZB-Multiresidue-2
Instrument: gc01.i
Operator: JLP
Column diameter: 0.53
\\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00450.D
Y (x10^4)
Min
Tetrachloro-m-Xylene (4.051)
alpha-BHC (4.839)
gamma-BHC (5.366)
-beta-BHC (5.801)
-Heptachlor (5.919)
delta-BHC (6.191)
-Aldrin (6.376)
Heptachlor Epoxide (7.158)
-gamma-Chlordane (7.541)
-alpha-Chlordane (7.644)
-Endosulfan I (7.748)
-4,4'-DDE (7.909)
-Dieldrin (8.159)
-Endrin (8.594)
-4,4'-DDD (8.764)
-Endosulfan II (9.034)
-4,4'-DDT (9.158)
-Endrin Aldehyde (9.308)
-Endosulfan sulfate (9.644)
-Methoxychlor (10.024)
-Endrin Ketone (10.474)
-Decachlorobiphenyl (12.714)

LCS Recovery Report

Client:
Lab ID: WG145481-4RA
Client ID: LCS1
Project:
SDG: WE53-7
LCS File ID: 1HG00451.D

Sample Date:
Received Date:
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145481

Analysis Date: 21-JUL-14
Analyst: JLP
Analysis Method: SW846 8081B
Matrix: AQ
% Solids: NA
Report Date: 22-JUL-14

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Toxaphene	88.0	2.00	1.76	ug/L	32-110
Tetrachloro-M-Xylene	46.8				25-140
Decachlorobiphenyl	76.0				30-135

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00451.D
Report Date: 22-Jul-2014 06:32

Katahdin Analytical Services

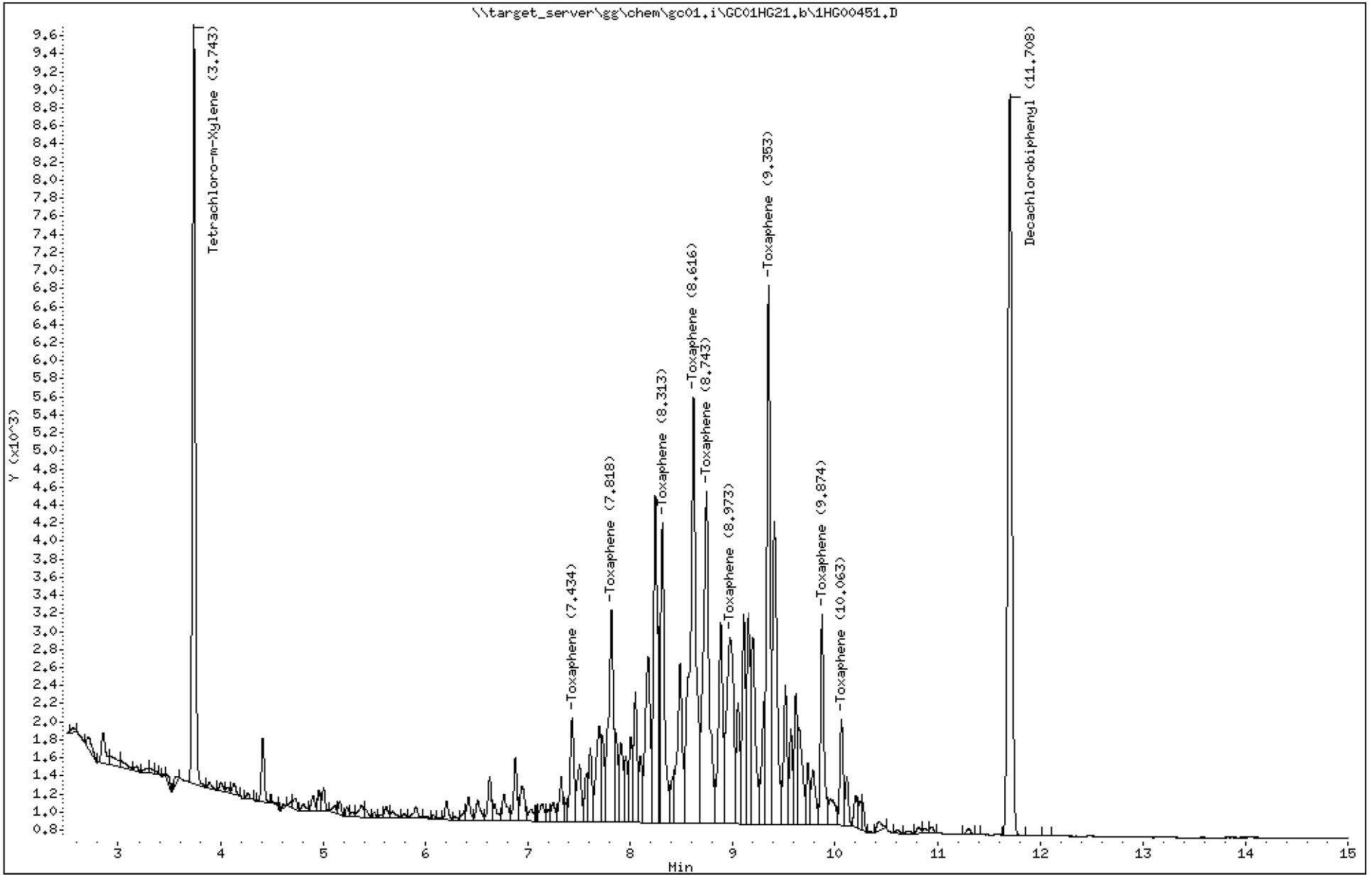
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Lab Smp Id: WG145481-4RA Client Smp ID: WG145481-LCS1
Inj Date : 21-JUL-2014 14:30
Operator : JLP Inst ID: gc01.i
Smp Info : WG145481-4RA,WE53-7
Misc Info : WG146672,WG145481,WG146672-3,SH4521-24
Comment   :
Method   : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m
Meth Date : 22-Jul-2014 06:18 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 14 QC Sample: LCS1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDtoxLCS.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 4 Tetrachloro-m-Xylene					CAS #: 877-09-8			
3.742	3.740	0.002	8412	0.04680	0.0936			
18 Toxaphene					CAS #: 8001-35-2			
7.434	7.435	-0.001	1150	0.86975	1.74	80.00- 120.00	100.00	
7.817	7.817	0.000	2356	0.79396	1.59	175.94- 263.91	204.87	
8.312	8.312	0.000	3329	0.92791	1.86	270.32- 405.48	289.48	
8.616	8.615	0.001	4727	0.79753	1.60	380.50- 570.75	411.04	
8.742	8.743	-0.001	3679	0.85548	1.71	284.70- 427.05	319.91	
8.972	8.970	0.002	2070	0.70461	1.41	174.95- 262.42	180.00	
9.352	9.350	0.002	5966	0.73185	1.46	499.64- 749.47	518.78	
9.874	9.872	0.002	2340	0.77073	1.54	197.72- 296.58	203.48	
10.062	10.063	-0.001	1170	0.58281	1.16	112.74- 169.11	101.74	
Average of Peak Concentrations =					1.56			
$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
11.707	11.706	0.001	8201	0.07583	0.152			

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\1HG00451.D
Date : 21-JUL-2014 14:30
Client ID: WG145481-LCS1
Instrument: gc01.i
Sample Info: WG145481-4RA,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-1
Column diameter: 0.53



Katahdin Analytical Services 7000128

Data File: 1HG00451.D
Report Date: 22-Jul-2014 06:36

Katahdin Analytical Services

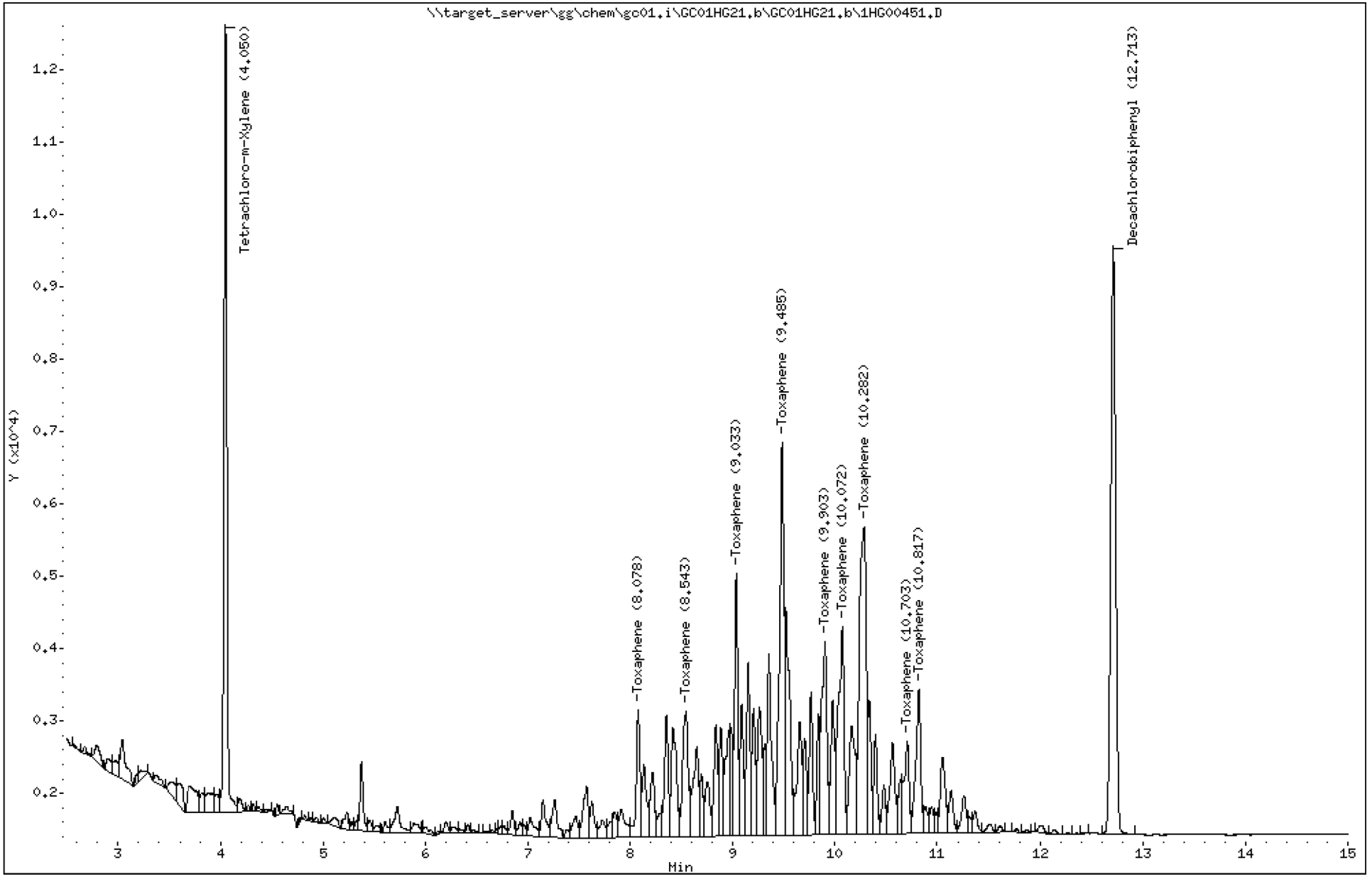
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Lab Smp Id: WG145481-4RA Client Smp ID: WG145481-LCS1
Inj Date : 21-JUL-2014 14:30
Operator : JLP Inst ID: gc01.i
Smp Info : WG145481-4RA,WE53-7
Misc Info : WG146672,WG145481,WG146672-4,SH4521-24
Comment   :
Method   : \\target_server\gg\chem\gc01.i\GC01HG21.b\PEST135.m\PEST135.m
Meth Date : 22-Jul-2014 06:19 gc01.i Quant Type: ESTD
Cal Date : 11-JUL-2014 14:48 Cal File: 1HG00248.D
Als bottle: 14 QC Sample: LCS1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: DoDtoxLCS.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T2

Concentration Formula: Amt * DF * 1000*(Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 4 Tetrachloro-m-Xylene					CAS #: 877-09-8			
4.049	4.047	0.002	10870	0.04620	0.0924			
18 Toxaphene					CAS #: 8001-35-2			
8.078	8.077	0.001	1762	1.25692	2.51	80.00- 120.00	100.00	
8.543	8.540	0.003	1724	0.97649	1.95	74.76- 112.13	97.84	
9.033	9.032	0.001	3614	0.91456	1.83	161.33- 242.00	205.11	
9.484	9.484	0.000	5432	0.89149	1.78	239.45- 359.18	308.29	
9.903	9.905	-0.002	2657	0.83516	1.67	122.66- 183.99	150.79	
10.071	10.072	-0.001	2871	0.78479	1.57	135.42- 203.13	162.94	
10.281	10.282	-0.001	4230	0.84395	1.69	206.58- 309.86	240.07	
10.703	10.704	-0.001	1269	0.56899	1.14	44.62- 66.93	72.02	
10.816	10.815	0.001	1989	0.84250	1.68	91.27- 136.91	112.88	
Average of Peak Concentrations =					1.76			
$ 34 Decachlorobiphenyl					CAS #: 2051-24-3			
12.713	12.710	0.003	8116	0.07590	0.152			

Data File: \\target_server\gg\chem\gc01.i\GC01HG21.b\GC01HG21.b\1HG00451.D
Date : 21-JUL-2014 14:30
Client ID: WG145481-LCS1
Instrument: gc01.i
Sample Info: WG145481-4RA,WE53-7
Purge Volume: 1.0
Operator: JLP
Column phase: ZB-Multiresidue-2
Column diameter: 0.53



Katahdin Analytical Services 7000130

Logbooks and Supporting Documents

P/P DoD
F.V: 2ml TCLP

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - AQUEOUS PESTICIDE/PCB

Extraction Method: (check one)	SW846 3520 (CLLE)		SW846 3510 (SEP) ✓		SW846 3535 (SPE)	
Analytical Method: (check one)	SW846 8081 ✓	SW846 8082 ✓	EPA 608	CLP OLM04.2	CLP OLC2.1	Other:
Standards	Surrogate ID: GC1373		Spike ID: PCB: GC1386 Pest: GC1358		Spike ID: Tox: GC1365	
Solvents	Solvent Lot # (MeCl2): DK982		Solvent Lot # (Hexane): DK003		Solvent Lot # (Acetone): —	
Consumables	Filter Paper Lot # FC01D370		Acid Lot # 50730		$NaSO_4$ Lot # 279H402	
Nitrogen Bath Temperature: 38°C		Vial Lot #:				
Prep Start Time: 1500	Prep End Time: 1820		CLLE Start Time:		CLLE End Time:	

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
6-26-14	AM	WG145481-1 WG145483-1	1000	0.2ml	NR	✓	✓	2ml	6-27-14	D7	KF			✓		Pest: R279621 PCB: R279622
		WG145481-2			0.2ml					8						
		-3								9						
		-4		0.2ml 6-26-14						10						
		-9	200	1ml	NR			10ml		11						Tox PST 1167 is 2x 100ml in DI TCLP Blank H_2O
		-6	1060		1ml					D12						MS SH4662-2Q1
		-7	1060							E1						MS/D SH4662-2S1
		WG145483-2	1000	0.2ml	0.2ml		✓	2ml		2				✓		
		-3								3				✓		
		-4	1000	1ml	1ml			10ml		4				✓		MS SH4662-2 P1
		-5	1060							E5				✓		MS/D SH4662-2U1

EX-002 – Revision 1 – 10/15/09

QAEX260 0000062

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
6-26-14	AM	SH4521-10 O	1060	0.2ml	NR		✓	2ml	6-27-14	E6	KF			✓		
		-12O	1050							7						
		-16N	1050							8						ss. + cent for eml.
		-18N	1060							9						
		-20O	1060							10						
		-22N	1060							11						
		-24	1060			✓				E12						
		SH4523-9 P	1050							F1						
		-22P	1050							2						
		SH4553-1 B	200	1ml				10N		3						TCLP To 100ml 1.4 DI Rx
		SH4545-1 B								4						
		-3B								5						
		SH4662-1 Q	1060				✓			6				✓		
		-2T1	1010							7						MS/D
		-3Q	1040							8						
		-5J	1000							F9						
													KF	6-27-14		

EX-002 – Revision 1 – 10/15/09

Katahdin Analytical Services 7000132

Katahdin Analytical Services, Inc.

GC Laboratory Instrument Runlog
Instrument: GC01
Amount Injected: 2 uL
Column Numbers: 426 | 427
Method: SW846 8011 / (8081) / 8082 / 8151
(circle) EPA 504.1 / 556 / 608

Standard	Standard ID
EVAL	P7178

Date	Init.	Result File	Sample ID	Y/N	Analytical Workgroup	Method	Comments
6/16/14	JLP	IMFOD 241	Prime	N	NA	Pest 127	
		242	RT Test				
		243					
		244					
		245					
		246					
		247					
		248					
6/16/14	JLP	249	EVAL	Y	WG144811-1,2	Pest 127	
		250	IND AB 0.05		-3,4		P7242
		251	0.005		-5,6		P7138
		252	0.01		-7,8		P7227137
		253	0.025		-9,10		~~P7134~~ P7226 6/17/14
		254	0.1		-11,12		P71334
		255	0.25		-13,14		P7133
		256	IND 0.05		-15		P7193
		257	TOX 1.0		WG144812-1,2		P7214
		258	0.1		-3,4		P7268
		259	0.25		-5,6		P7269
		260	0.5		-7,8		P7270
		261	2.5		-9,10		P7271
		262	10		-11,12		P7213
		263	OPC BLK 6-12-14	Y	WG144811		CLEAN
		264	WG144807-1 3540				TCXL A+B
		265	-2				TCX+1 LA+B
		266	-3				TCXL A+B
		267	-4				TCX LA+B
		268	-5				
		269	-6				
		270	SM 3880-1				TCXL A+B

Katahdin Analytical Services, Inc.

GC Laboratory Instrument Runlog
Instrument: GC01
Amount Injected: 2 uL
Column Numbers: 426/427
Method: SW846 8011 (8081) 8082 / 8151
(circle) EPA 504.1 / 556 / 608

Standard	Standard ID
EVAL	P7178
INDAB 0.05	P7285
↓ 0.025	P7286
TOX 0.5	P7270

Date	Init.	Result File	Sample ID	Y/N	Analytical Workgroup	Method	Comments
7-21-14	JLP	IH600438	Prime	N	WG-146472	Pest 35	
		439	EVAL	Y	-1,2		
		440	INDAB 0.05		-3,4		P7285
		441	0.005		-5,6		P7288
		442	0.01		-7,8		P7287
		443	0.025		-9,10		P7286
		444	0.1		-11,12		P7284
		445	↓ 0.25		-13,14		P7283
		446	IND 0.05		-15		P7277
		447	TOX 0.5	↓	-16,17		
		448	WG-145481-1 RA 35/0	Y			
		449	-2				2VA 1VB
		450	-3				
		451	↓ -4 ↓	↓			
		452	SH5521-24 ↓	↓			
		453	SH5183-1 RA 35/0	Y			
		454	↓ -2 RA				TCXL AVB
		455	↓ -2 DL				1:5 TCXL AVB
		456	SH4522-7 DL				↓ TCXL DCBT B TCXL A
		457	↓ -9 DL ↓	↓			↓ TCXL AVB
		458	RINSE	N			Colored Samples
		459	INDAB 0.025	Y	-18,19		
		460	TOX 0.5	Y	↓ -20,21	↓	

PCB DATA

QC Summary Section

Form 2
System Monitoring Compound Recovery

Lab Name: Katahdin Analytical Services **Project:** NCTAMSLANT Cutler CTO WE53 **Matrix:** AQ
Lab Code: KAS **SDG:** WE53-7

Client Sample ID	Lab Sample ID	Col. ID	DCB	#	TCX	#
FTA-SW-01-061914	SH4521-10RE	A	81.2		65.1	
FTA-SW-01-061914	SH4521-10RE	B	73.1		72.2	
FTA-SW-02-061914	SH4521-12	B	51.9		44.6	*
FTA-SW-02-061914	SH4521-12	A	57.4		47.7	*
FTA-SW-06-061914	SH4521-16	B	45.2		48.9	*
FTA-SW-06-061914	SH4521-16	A	46.8		33.9	*
FTA-SW-07-061914	SH4521-18	B	42.5		45.4	*
FTA-SW-07-061914	SH4521-18	A	45.8		42.1	*
FTA-SW-08-061914	SH4521-20	B	56.6		58.7	*
FTA-SW-08-061914	SH4521-20	A	59.2		56.6	*
FTA-SW-DUP01-061914	SH4521-22	A	37.7	*	25.1	*
FTA-SW-DUP01-061914	SH4521-22	B	35.4	*	31.0	*
FTA-SW-DUP01-061914	SH4521-22RE	A	26.9	*	34.3	*
FTA-SW-DUP01-061914	SH4521-22RE	B	25.6	*	45.0	*
FTA-SD-RB01-062014	SH4521-24	B	69.8		66.1	
FTA-SD-RB01-062014	SH4521-24	A	77.2		78.8	
Method Blank Sample	WG145483-1	B	64.0		35.2	*
Method Blank Sample	WG145483-1	A	66.0		37.1	*
Laboratory Control S	WG145483-2	B	56.0		28.8	*
Laboratory Control S	WG145483-2	A	61.5		29.8	*
Laboratory Control S	WG145483-3	B	78.5		39.9	*
Laboratory Control S	WG145483-3	A	83.0		39.7	*
Method Blank Sample	WG146110-1	A	89.2		81.1	
Method Blank Sample	WG146110-1	B	81.0		59.2	*
Laboratory Control S	WG146110-2	A	83.7		69.6	
Laboratory Control S	WG146110-2	B	75.0		64.1	
Laboratory Control S	WG146110-3	A	84.7		69.5	
Laboratory Control S	WG146110-3	B	75.1		78.6	

		QC Limits
TCX	TETRACHLORO-M-XYLENE	62-111
DCB	DECACHLOROBIPHENYL	40-135

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Form 2
System Monitoring Compound Recovery

Lab Name: Katahdin Analytical Services **Project:** NCTAMSLANT Cutler CTO WE53 **Matrix:** AQ
Lab Code: KAS **SDG:** WE53-7

= Column to be used to flag recovery limits.
* = Values outside of contract required QC limits.
D= System Monitoring Compound diluted out.

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File ID : 7HF734.D
Matrix : AQ

Column A
Instrument ID : GC07
Date Analyzed : 30-JUN-14
Time Analyzed : 15:15

SDG : WE53-7
Lab Sample ID : WG145483-1
Date Extracted : 26-JUN-14
Extraction Method : SW846 3510

Column B
Instrument ID : GC07
Date Analyzed : 30-JUN-14
Time Analyzed : 15:15

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG145483-2	7HF735.D	06/30/14	15:51
Laboratory Control S	WG145483-3	7HF736.D	06/30/14	16:27
FTA-SW-02-061914	SH4521-12	7HF745.D	06/30/14	21:52
FTA-SW-06-061914	SH4521-16	7HF746.D	06/30/14	22:28
FTA-SW-07-061914	SH4521-18	7HF747.D	06/30/14	23:05
FTA-SW-08-061914	SH4521-20	7HF748.D	06/30/14	23:41
FTA-SW-DUP01-061914	SH4521-22	7HF749.D	07/01/14	00:17
FTA-SD-RB01-062014	SH4521-24	7HF750.D	07/01/14	00:53

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File ID : 7HG293.D
Matrix : AQ

Column A
Instrument ID : GC07
Date Analyzed : 10-JUL-14
Time Analyzed : 17:30

SDG : WE53-7
Lab Sample ID : WG146110-1
Date Extracted : 08-JUL-14
Extraction Method : SW846 3510

Column B
Instrument ID : GC07
Date Analyzed : 10-JUL-14
Time Analyzed : 17:30

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG146110-2	7HG294.D	07/10/14	18:06
Laboratory Control S	WG146110-3	7HG295.D	07/10/14	18:42
FTA-SW-01-061914	SH4521-10RE	7HG300.D	07/10/14	21:42
FTA-SW-DUP01-061914	SH4521-22RE	7HG301.D	07/10/14	22:19

Form 8
GC Analytical Sequence

Lab Name : Katahdin Analytical Services
SDG : WE53-7
Project : NCTAMSLANT Cutler CTO WE53
Column ID : A
Instrument ID : GC07

Client Sample ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCX	DCB	
Initial Calibration	WG144776-1	06/13/14	14:57	5.372	26.46	
Initial Calibration	WG144776-3	06/13/14	15:34	5.369	26.47	
Initial Calibration	WG144776-5	06/13/14	16:10	5.373	26.47	
Initial Calibration	WG144776-7	06/13/14	16:46	5.369	26.46	
Initial Calibration	WG144776-9	06/13/14	17:22	5.374	26.46	
Initial Calibration	WG144776-11	06/13/14	17:58	5.371	26.45	
Independent Source	WG144776-13	06/13/14	18:34			
Independent Source	WG144776-14	06/13/14	19:10			
Initial Calibration	WG144776-15	06/13/14	19:46			
Initial Calibration	WG144776-27	06/13/14	23:23			
Initial Calibration	WG144776-39	06/14/14	03:00			
Initial Calibration	WG144776-41	06/14/14	03:36			
Initial Calibration	WG144776-43	06/14/14	04:12			
Initial Calibration	WG144776-45	06/14/14	04:48			
Initial Calibration	WG144776-47	06/14/14	05:24			
Initial Calibration	WG144776-49	06/14/14	06:00			
Initial Calibration	WG144776-51	06/14/14	06:36			
Initial Calibration	WG144776-53	06/14/14	07:12			
Initial Calibration	WG144776-55	06/14/14	07:48			
Initial Calibration	WG144776-57	06/14/14	08:24			
Continuing Calibrati	WG145727-1	06/30/14	10:23	5.293	26.32	
Method Blank Sample	WG145483-1	06/30/14	15:15	5.305	26.33	
Laboratory Control S	WG145483-2	06/30/14	15:51	5.3	26.33	
Laboratory Control S	WG145483-3	06/30/14	16:27	5.302	26.33	
Continuing Calibrati	WG145727-5	06/30/14	19:28	5.301	26.34	
Continuing Calibrati	WG145727-7	06/30/14	20:40			
FTA-SW-02-061914	SH4521-12	06/30/14	21:52	5.305	26.33	
FTA-SW-06-061914	SH4521-16	06/30/14	22:28	5.3	26.33	
FTA-SW-07-061914	SH4521-18	06/30/14	23:05	5.304	26.33	
FTA-SW-08-061914	SH4521-20	06/30/14	23:41	5.301	26.33	
FTA-SW-DUP01-061914	SH4521-22	07/01/14	00:17	5.305	26.33	
FTA-SD-RB01-062014	SH4521-24	07/01/14	00:53	5.302	26.33	
Continuing Calibrati	WG145727-9	07/01/14	03:17	5.296	26.33	
Continuing Calibrati	WG145727-11	07/01/14	04:30			
Continuing Calibrati	WG146326-1	07/10/14	15:41	5.351	26.42	
Method Blank Sample	WG146110-1	07/10/14	17:30	5.358	26.42	

Form 8
GC Analytical Sequence

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Instrument ID : GC07

SDG : WE53-7
Column ID : A

Laboratory Control S	WG146110-2	07/10/14	18:06	5.359	26.42	
Laboratory Control S	WG146110-3	07/10/14	18:42	5.357	26.42	
FTA-SW-01-061914	SH4521-10RE	07/10/14	21:42	5.354	26.42	
FTA-SW-DUP01-061914	SH4521-22RE	07/10/14	22:19	5.356	26.41	
Continuing Calibrati	WG146326-7	07/10/14	23:31	5.347	26.41	

Form 8
GC Analytical Sequence

Lab Name : Katahdin Analytical Services
SDG : WE53-7
Project : NCTAMSLANT Cutler CTO WE53
Column ID : B
Instrument ID : GC07

Client Sample ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCX	DCB	
Initial Calibration	WG144776-2	06/13/14	14:57	5.593	27.45	
Initial Calibration	WG144776-4	06/13/14	15:34	5.592	27.45	
Initial Calibration	WG144776-6	06/13/14	16:10	5.593	27.45	
Initial Calibration	WG144776-8	06/13/14	16:46	5.594	27.45	
Initial Calibration	WG144776-10	06/13/14	17:22	5.595	27.45	
Initial Calibration	WG144776-12	06/13/14	17:58	5.592	27.44	
Independent Source	WG144776-13	06/13/14	18:34			
Independent Source	WG144776-14	06/13/14	19:10			
Initial Calibration	WG144776-16	06/13/14	19:46			
Initial Calibration	WG144776-28	06/13/14	23:23			
Initial Calibration	WG144776-40	06/14/14	03:00			
Initial Calibration	WG144776-42	06/14/14	03:36			
Initial Calibration	WG144776-44	06/14/14	04:12			
Initial Calibration	WG144776-46	06/14/14	04:48			
Initial Calibration	WG144776-48	06/14/14	05:24			
Initial Calibration	WG144776-50	06/14/14	06:00			
Initial Calibration	WG144776-52	06/14/14	06:36			
Initial Calibration	WG144776-54	06/14/14	07:12			
Initial Calibration	WG144776-56	06/14/14	07:48			
Initial Calibration	WG144776-58	06/14/14	08:24			
Continuing Calibrati	WG145727-2	06/30/14	10:23	5.508	27.29	
Method Blank Sample	WG145483-1	06/30/14	15:15	5.52	27.31	
Laboratory Control S	WG145483-2	06/30/14	15:51	5.514	27.30	
Laboratory Control S	WG145483-3	06/30/14	16:27	5.519	27.30	
Continuing Calibrati	WG145727-6	06/30/14	19:28	5.518	27.31	
Continuing Calibrati	WG145727-8	06/30/14	20:40			
FTA-SW-02-061914	SH4521-12	06/30/14	21:52	5.518	27.30	
FTA-SW-06-061914	SH4521-16	06/30/14	22:28	5.516	27.30	
FTA-SW-07-061914	SH4521-18	06/30/14	23:05	5.519	27.30	
FTA-SW-08-061914	SH4521-20	06/30/14	23:41	5.516	27.30	
FTA-SW-DUP01-061914	SH4521-22	07/01/14	00:17	5.52	27.30	
FTA-SD-RB01-062014	SH4521-24	07/01/14	00:53	5.516	27.30	
Continuing Calibrati	WG145727-10	07/01/14	03:17	5.511	27.30	
Continuing Calibrati	WG145727-12	07/01/14	04:30			
Continuing Calibrati	WG146326-2	07/10/14	15:41	5.566	27.39	
Method Blank Sample	WG146110-1	07/10/14	17:30	5.571	27.39	

Form 8
GC Analytical Sequence

Lab Name : Katahdin Analytical Services
SDG : WE53-7
Project : NCTAMSLANT Cutler CTO WE53
Column ID : B
Instrument ID : GC07

Laboratory Control S	WG146110-2	07/10/14	18:06	5.573	27.38	
Laboratory Control S	WG146110-3	07/10/14	18:42	5.575	27.38	
FTA-SW-01-061914	SH4521-10RE	07/10/14	21:42	5.567	27.38	
FTA-SW-DUP01-061914	SH4521-22RE	07/10/14	22:19	5.569	27.38	
Continuing Calibrati	WG146326-8	07/10/14	23:31	5.562	27.37	

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

or

J Used for Pesticides, PCBs, Herbicides, Formaldehyde, Explosives and Method 504.1 analytes when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

C Indicates that the flagged compound did not meet DoD criteria in the corresponding daily calibration verification (CV).

L Indicates that the flagged compound did not meet DoD criteria in the corresponding Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCSD) prepared and/or analyzed concurrently with the sample.

M Indicates that the flagged compound did not meet DoD criteria in the Matrix Spike and/or Matrix Spike Duplicate prepared and/or analyzed concurrently with the native sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

Katahdin Analytical Services, Inc.

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting.
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant.
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold.
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-10RE
Client ID: FTA-SW-01-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: 7HG300.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 08-JUL-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG146110

Analysis Date: 10-JUL-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 15-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.024	ug/L	1	.5	0.048	0.014	0.024
Aroclor-1221	U	0.024	ug/L	1	.5	0.048	0.019	0.024
Aroclor-1232	U	0.024	ug/L	1	.5	0.048	0.0086	0.024
Aroclor-1242	U	0.024	ug/L	1	.5	0.048	0.017	0.024
Aroclor-1248	U	0.024	ug/L	1	.5	0.048	0.019	0.024
Aroclor-1254	U	0.024	ug/L	1	.5	0.048	0.0080	0.024
Aroclor-1260	U	0.024	ug/L	1	.5	0.048	0.016	0.024
Aroclor-1262	U	0.024	ug/L	1	.5	0.048	0.0064	0.024
Aroclor-1268	U	0.024	ug/L	1	.5	0.048	0.0070	0.024
Tetrachloro-M-Xylene		72.2	%					
Decachlorobiphenyl		81.2	%					

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Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG300.D
Report Date: 15-Jul-2014 15:11

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG300.D
Lab Smp Id: SH4521-10RE Client Smp ID: FTA-SW-01-061914
Inj Date : 10-JUL-2014 21:42
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-10RE
Misc Info : WG146326,WG146110,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HG10.b\PCB074.m
Meth Date : 11-Jul-2014 08:54 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

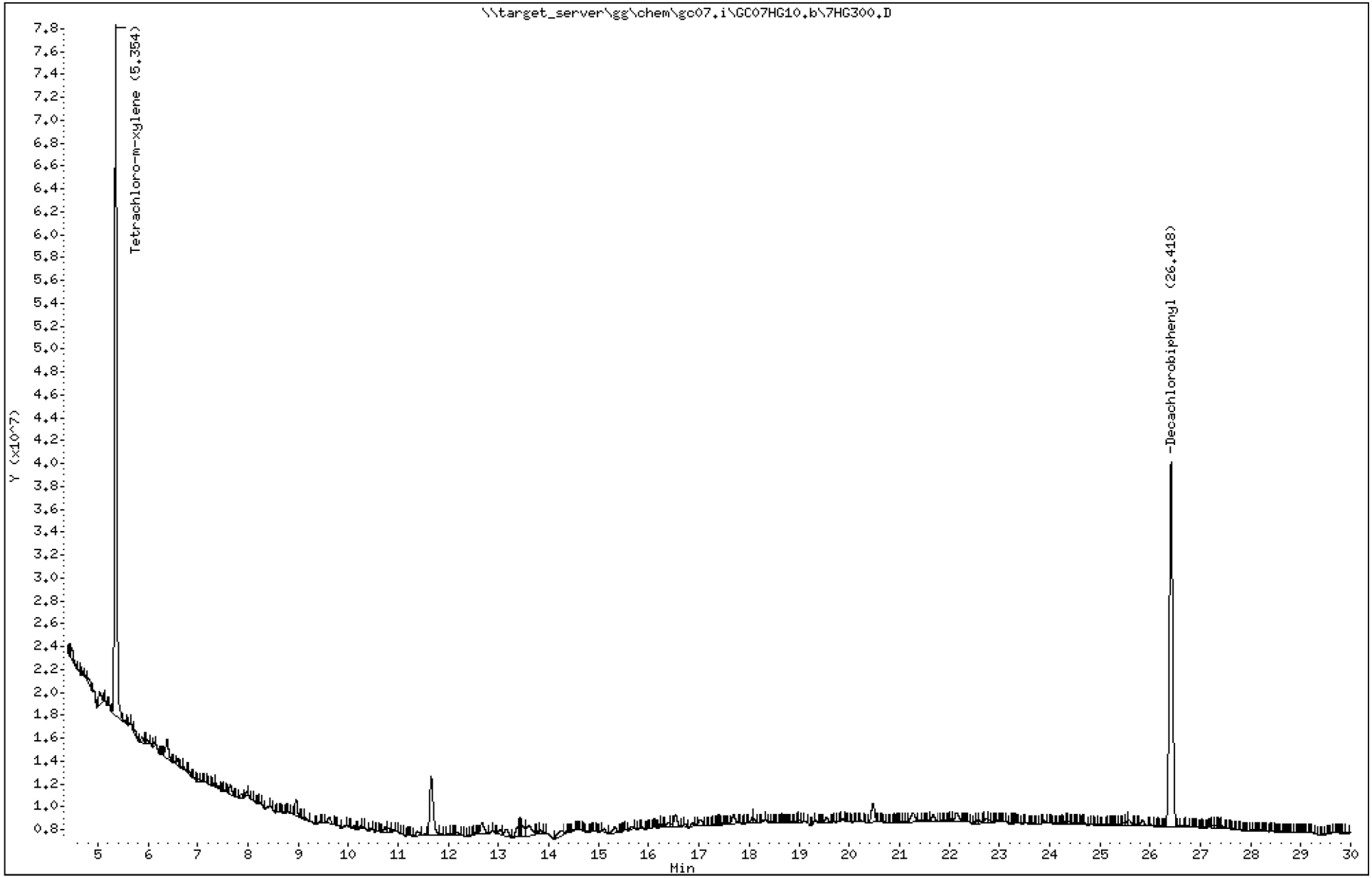
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.030	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.354	5.351	0.003	60394252	0.06505	0.0632			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
26.417	26.418	-0.001	31845097	0.08126	0.0789			(H)

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG300.D
Date : 10-JUL-2014 21:42
Client ID: FTA-SW-01-061914
Instrument: gc07.i
Sample Info: SH4521-10RE
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000016

Data File: 7HG300.D
Report Date: 15-Jul-2014 15:12

Katahdin Analytical Services

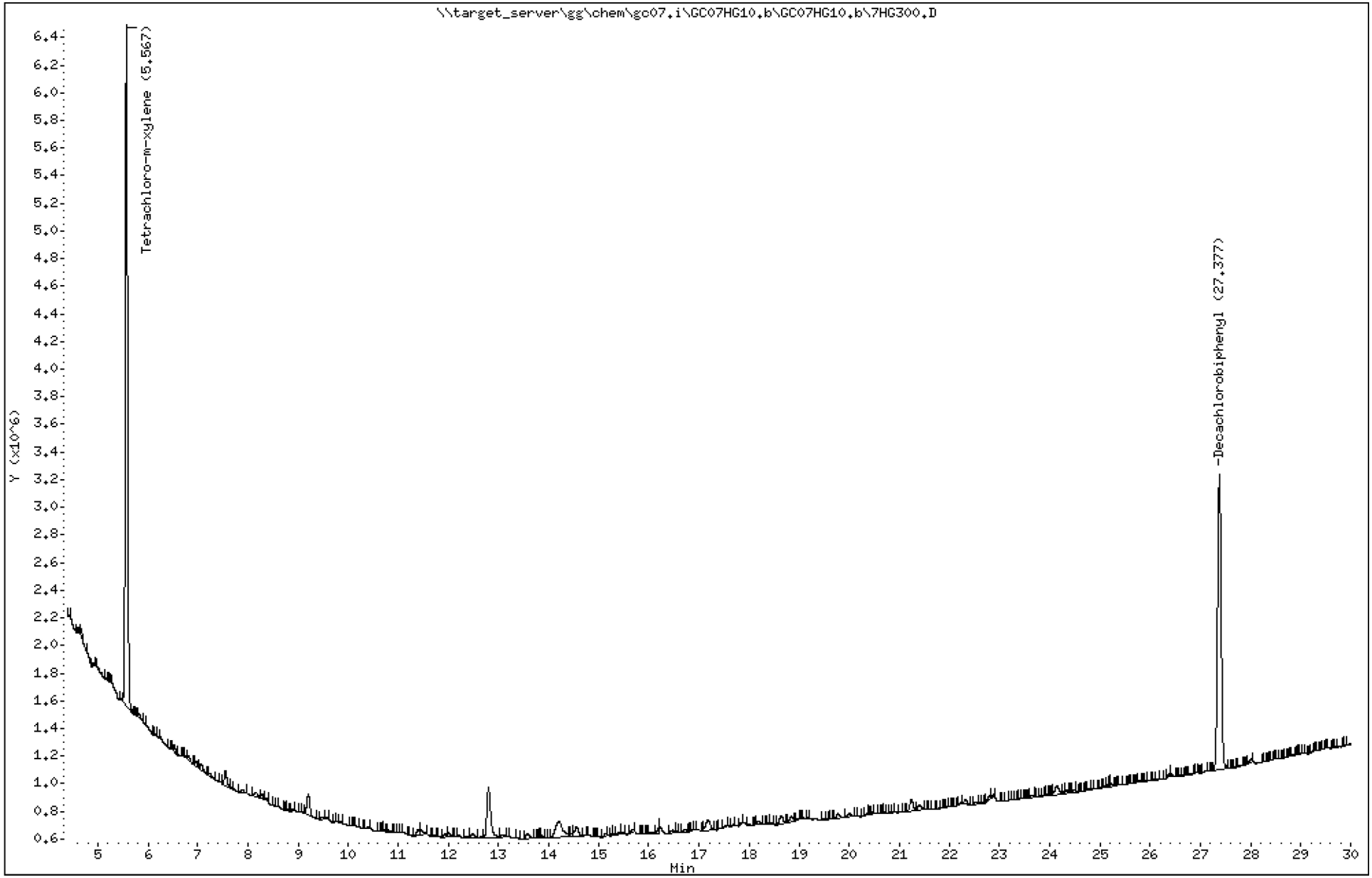
Data file : \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG300.D
Lab Smp Id: SH4521-10RE Client Smp ID: FTA-SW-01-061914
Inj Date : 10-JUL-2014 21:42
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-10RE
Misc Info : WG146326,WG146110,WG144776-1
Comment   :
Method   : \\TARGET_SERVER\GG\chem\gc07.i\GC07HG10.b\PCB074.m\PCB074.m
Meth Date : 15-Jul-2014 11:47 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.030	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.567	5.555	0.012	4928326	0.07217	0.0701			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
27.377	27.365	0.012	2136019	0.07317	0.0710			

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG300.D
Date : 10-JUL-2014 21:42
Client ID: FTA-SW-01-061914 Instrument: gc07.i
Sample Info: SH4521-10RE
Purge Volume: 1.0 Operator: CB
Column phase: ZB-MultiResidue-2 Column diameter: 0.53



Katahdin Analytical Services 8000018

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-12
Client ID: FTA-SW-02-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: 7HF745.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145483

Analysis Date: 30-JUN-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Aroclor-1016	U	0.048	ug/L	1	.5	0.095	0.028
Aroclor-1221	U	0.048	ug/L	1	.5	0.095	0.038
Aroclor-1232	U	0.048	ug/L	1	.5	0.095	0.017
Aroclor-1242	U	0.048	ug/L	1	.5	0.095	0.034
Aroclor-1248	U	0.048	ug/L	1	.5	0.095	0.038
Aroclor-1254	U	0.048	ug/L	1	.5	0.095	0.016
Aroclor-1260	U	0.048	ug/L	1	.5	0.095	0.032
Aroclor-1262	U	0.048	ug/L	1	.5	0.095	0.012
Aroclor-1268	U	0.048	ug/L	1	.5	0.095	0.014
Tetrachloro-M-Xylene	*	47.7	%				
Decachlorobiphenyl		57.4	%				

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Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF745.D
Report Date: 15-Jul-2014 15:15

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF745.D
Lab Smp Id: SH4521-12 Client Smp ID: FTA-SW-02-061914
Inj Date : 30-JUN-2014 21:52
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-12
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

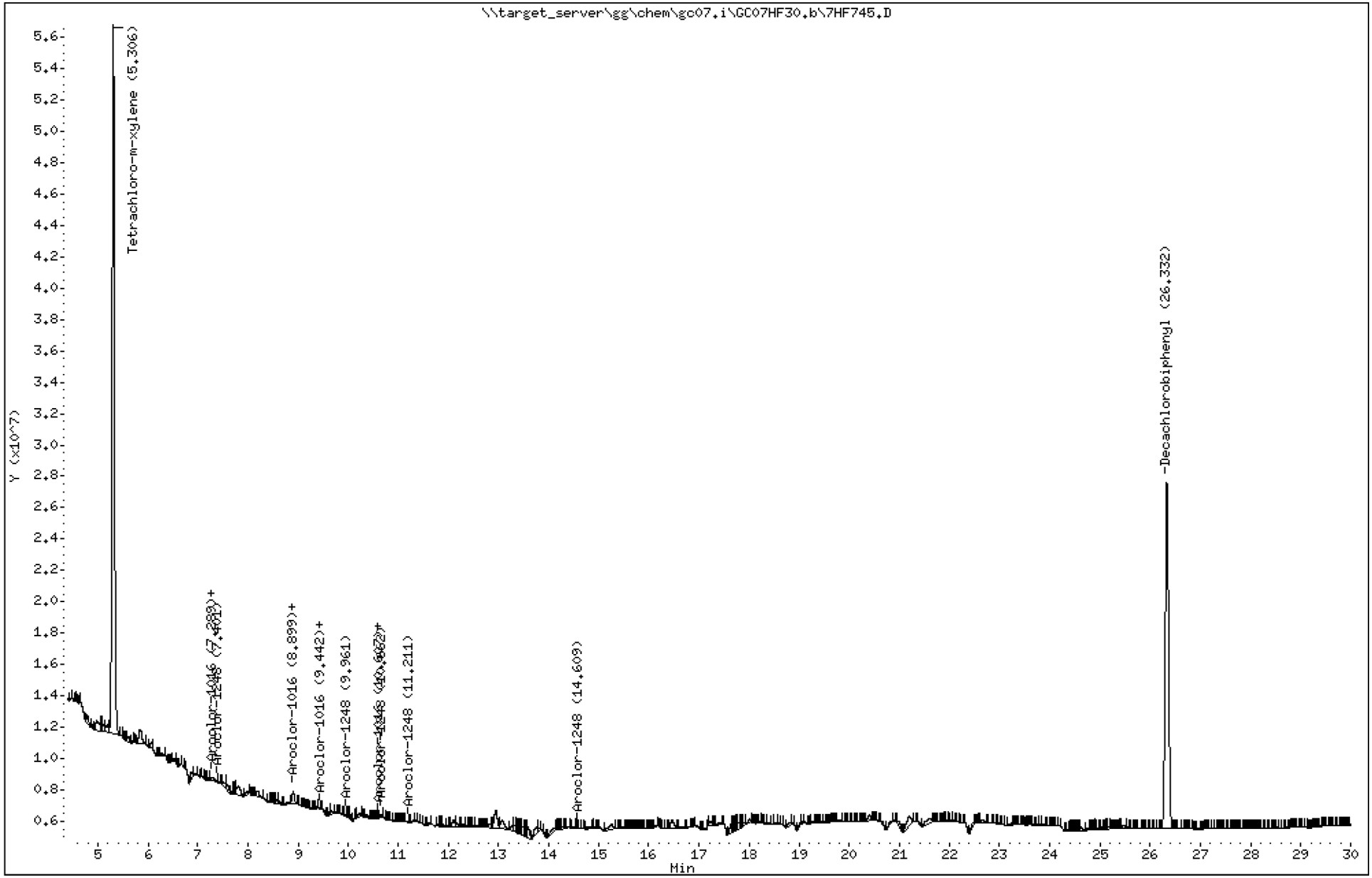
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.305	5.302	0.003	45187430	0.04761	0.0907		(aR)	
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
26.332	26.356	-0.024	22029720	0.05716	0.109			

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF745.D
Date : 30-JUN-2014 21:52
Client ID: FTA-SW-02-061914
Instrument: gc07.i
Sample Info: SH4521-12
Purge Volume: 1.1
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000021

Data File: 7HF745.D
Report Date: 15-Jul-2014 15:16

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF745.D
Lab Smp Id: SH4521-12 Client Smp ID: FTA-SW-02-061914
Inj Date : 30-JUN-2014 21:52
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-12
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

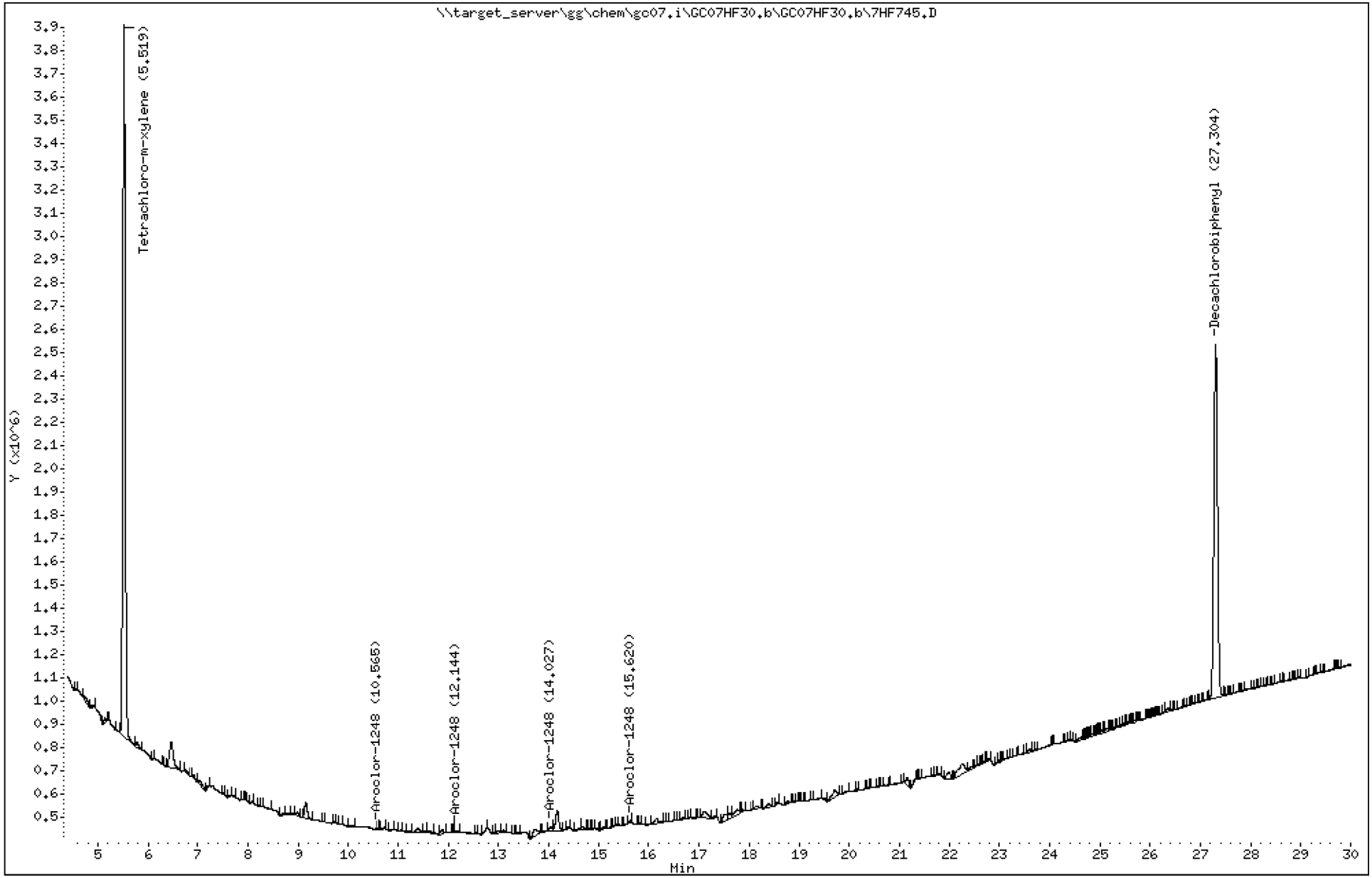
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.518	5.519	-0.001	3056497	0.04454	0.0848			(aR)
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
27.303	27.312	-0.009	1518629	0.05175	0.0986			

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF745.D
Date : 30-JUN-2014 21:52
Client ID: FTA-SW-02-061914 Instrument: gc07.i
Sample Info: SH4521-12
Purge Volume: 1.1 Operator: CB
Column phase: ZB-MultiResidue-2 Column diameter: 0.53



Katahdin Analytical Services 8000023

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-16
Client ID: FTA-SW-06-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: 7HF746.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145483

Analysis Date: 30-JUN-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Aroclor-1016	U	0.048	ug/L	1	.5	0.095	0.028
Aroclor-1221	U	0.048	ug/L	1	.5	0.095	0.038
Aroclor-1232	U	0.048	ug/L	1	.5	0.095	0.017
Aroclor-1242	U	0.048	ug/L	1	.5	0.095	0.034
Aroclor-1248	U	0.048	ug/L	1	.5	0.095	0.038
Aroclor-1254		0.38	ug/L	1	.5	0.095	0.016
Aroclor-1260	U	0.048	ug/L	1	.5	0.095	0.032
Aroclor-1262	U	0.048	ug/L	1	.5	0.095	0.012
Aroclor-1268	U	0.048	ug/L	1	.5	0.095	0.014
Tetrachloro-M-Xylene	*	48.9	%				
Decachlorobiphenyl		46.8	%				

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Form 10
Pesticide Identification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53

SDG : WE53-7
Lab Sample ID : SH4521-16
Client Sample ID : FTA-SW-06-061914

Column A
Instrument ID : GC07
Date Analyzed : 06/30/14
Time Analyzed : 22:28

Column B
Instrument ID : GC07
Date Analyzed : 06/30/14
Time Analyzed : 22:28

Analyte	Peak	Column	RT	Concentration	Mean	RPD
Aroclor-1254	1	A	12.09	.263		
	2	A	13.06	.539		
	3	A	14.14	.221		
	4	A	15.79	.433		
	5	A	17.6	.373	.366	
	1	B	13.02	.338		
	2	B	13.72	.408		
	3	B	15.11	.176		
	4	B	16.65	.519		
	5	B	18.57	.437	.376	2.7

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Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF746.D
Report Date: 15-Jul-2014 15:59

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF746.D
Lab Smp Id: SH4521-16 Client Smp ID: FTA-SW-06-061914
Inj Date : 30-JUN-2014 22:28
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-16
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

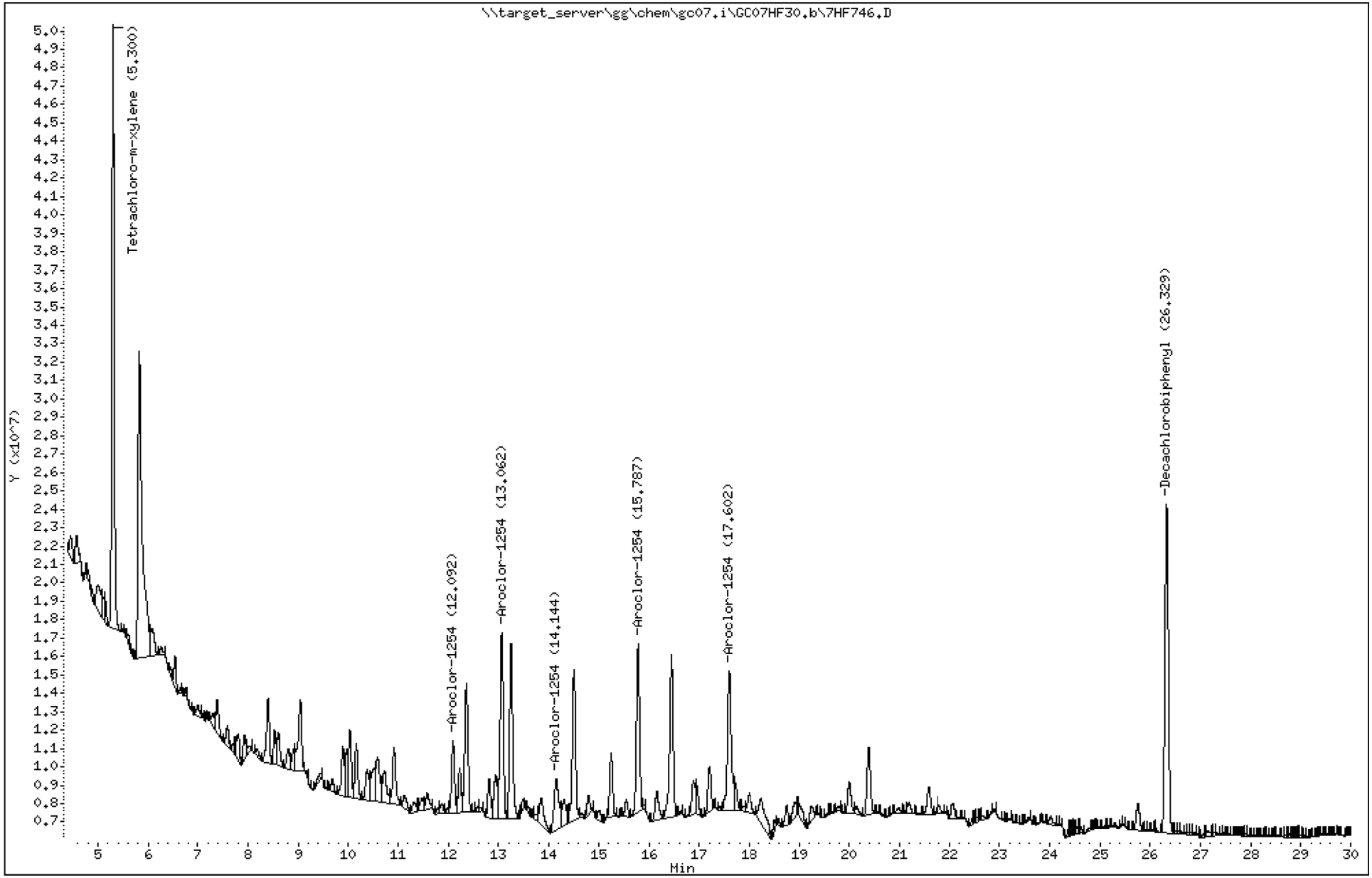
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.300	5.302	-0.002	32794154	0.03387	0.0645			(aR)
8 Aroclor-1254					CAS #: 11097-69-1			
12.091	12.097	-0.006	3889805	0.13809	0.263	80.00- 120.00	100.00	
13.061	13.064	-0.003	10086313	0.28295	0.539	80.00- 120.00	259.30	
14.143	14.156	-0.013	2818177	0.11622	0.221	80.00- 120.00	72.45	
15.786	15.796	-0.010	9150827	0.22740	0.433	80.00- 120.00	235.25	
17.601	17.612	-0.011	7543468	0.19586	0.373	0.00- 0.00	193.93	
		Average of Peak Concentrations =			0.366			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
26.328	26.356	-0.028	17897305	0.04674	0.0890			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF746.D
Date : 30-JUN-2014 22:28
Client ID: FTA-SW-06-061914
Instrument: gc07.i
Sample Info: SH4521-16
Purge Volume: 1.1
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000027

Data File: 7HF746.D
Report Date: 15-Jul-2014 16:00

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF746.D
Lab Smp Id: SH4521-16 Client Smp ID: FTA-SW-06-061914
Inj Date : 30-JUN-2014 22:28
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-16
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

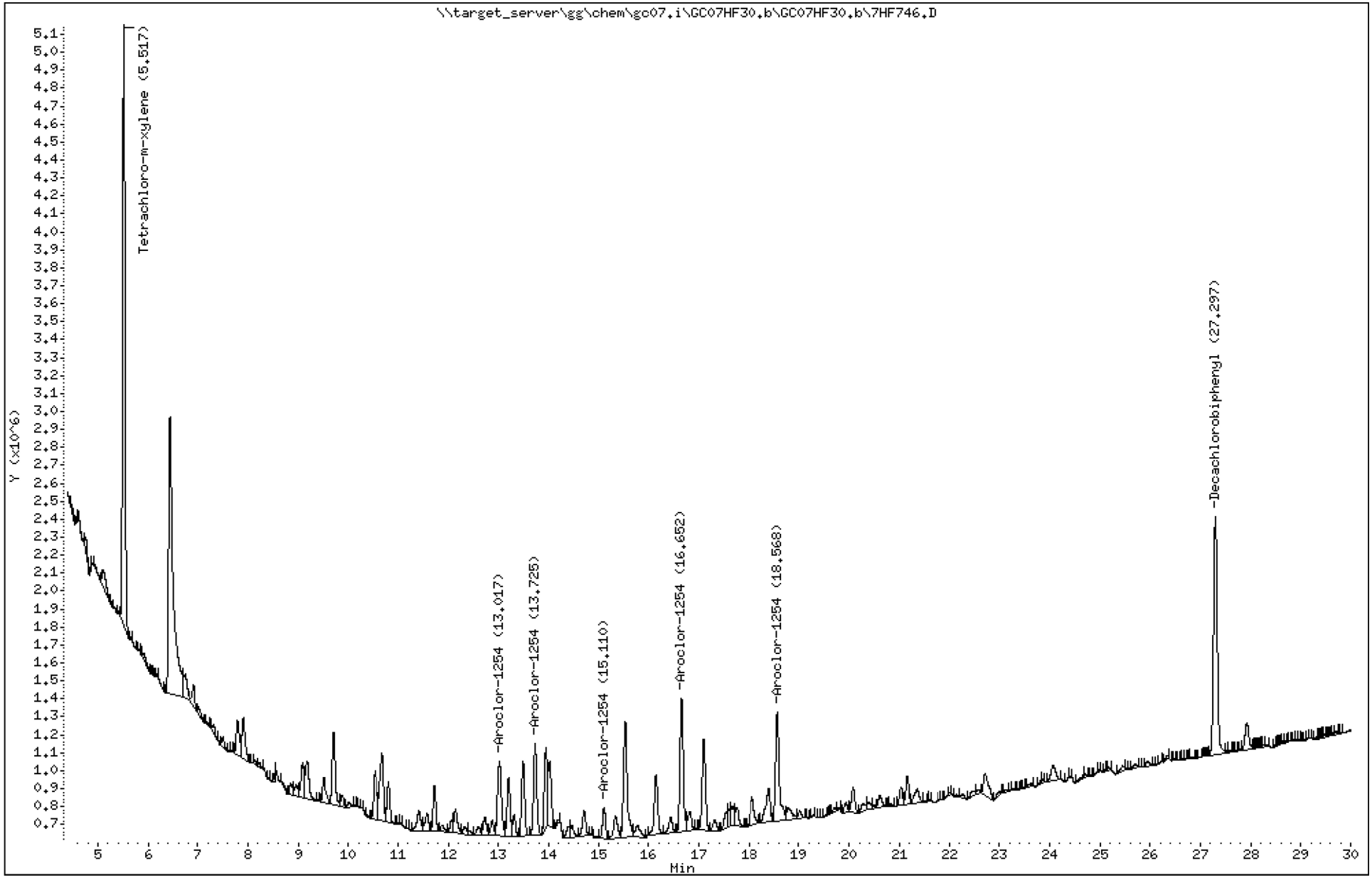
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene			CAS #: 877-09-8					
5.516	5.519	-0.003	3344452	0.04879	0.0929			(aR)
8 Aroclor-1254			CAS #: 11097-69-1					
13.016	13.015	0.001	412314	0.17740	0.338	80.00- 120.00	100.00	
13.724	13.734	-0.010	514224	0.21431	0.408	80.00- 120.00	124.72	
15.109	15.124	-0.015	175776	0.09264	0.176	80.00- 120.00	42.63	
16.651	16.662	-0.011	741972	0.27267	0.519	80.00- 120.00	179.95	
18.568	18.579	-0.011	601684	0.22943	0.437	80.00- 120.00	145.93	
		Average of Peak Concentrations =			0.376			
$ 12 Decachlorobiphenyl			CAS #: 2051-24-3					
27.296	27.312	-0.016	1326204	0.04509	0.0859			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF746.D
Date : 30-JUN-2014 22:28
Client ID: FTA-SW-06-061914 Instrument: gc07.i
Sample Info: SH4521-16
Purge Volume: 1.1 Operator: CB
Column phase: ZB-MultiResidue-2 Column diameter: 0.53



Katahdin Analytical Services 8000029

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-18
Client ID: FTA-SW-07-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: 7HF747.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145483

Analysis Date: 30-JUN-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Aroclor-1016	U	0.047	ug/L	1	.5	0.094	0.028
Aroclor-1221	U	0.047	ug/L	1	.5	0.094	0.038
Aroclor-1232	U	0.047	ug/L	1	.5	0.094	0.017
Aroclor-1242	U	0.047	ug/L	1	.5	0.094	0.034
Aroclor-1248	U	0.047	ug/L	1	.5	0.094	0.038
Aroclor-1254	U	0.047	ug/L	1	.5	0.094	0.015
Aroclor-1260	U	0.047	ug/L	1	.5	0.094	0.032
Aroclor-1262	U	0.047	ug/L	1	.5	0.094	0.012
Aroclor-1268	U	0.047	ug/L	1	.5	0.094	0.014
Tetrachloro-M-Xylene	*	45.4	%				
Decachlorobiphenyl		45.8	%				

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Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF747.D
Report Date: 15-Jul-2014 15:15

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF747.D
Lab Smp Id: SH4521-18 Client Smp ID: FTA-SW-07-061914
Inj Date : 30-JUN-2014 23:05
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-18
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

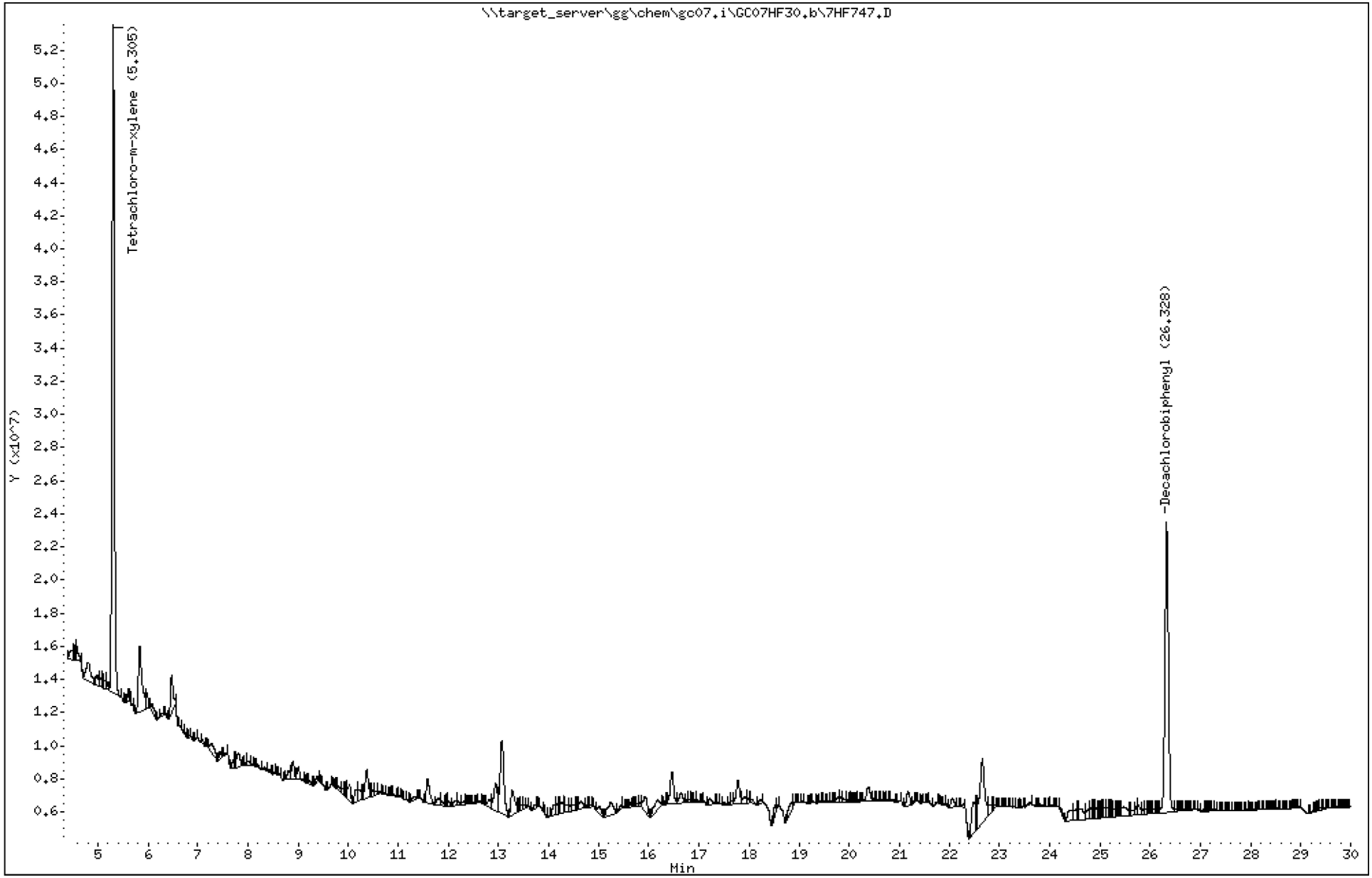
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.304	5.302	0.002	40327162	0.04217	0.0796			(aR)
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
26.328	26.356	-0.028	17549115	0.04585	0.0865			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF747.D
Date : 30-JUN-2014 23:05
Client ID: FTA-SW-07-061914
Instrument: gc07.i
Sample Info: SH4521-18
Purge Volume: 1.1
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000032

Data File: 7HF747.D
Report Date: 15-Jul-2014 15:16

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF747.D
Lab Smp Id: SH4521-18 Client Smp ID: FTA-SW-07-061914
Inj Date : 30-JUN-2014 23:05
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-18
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

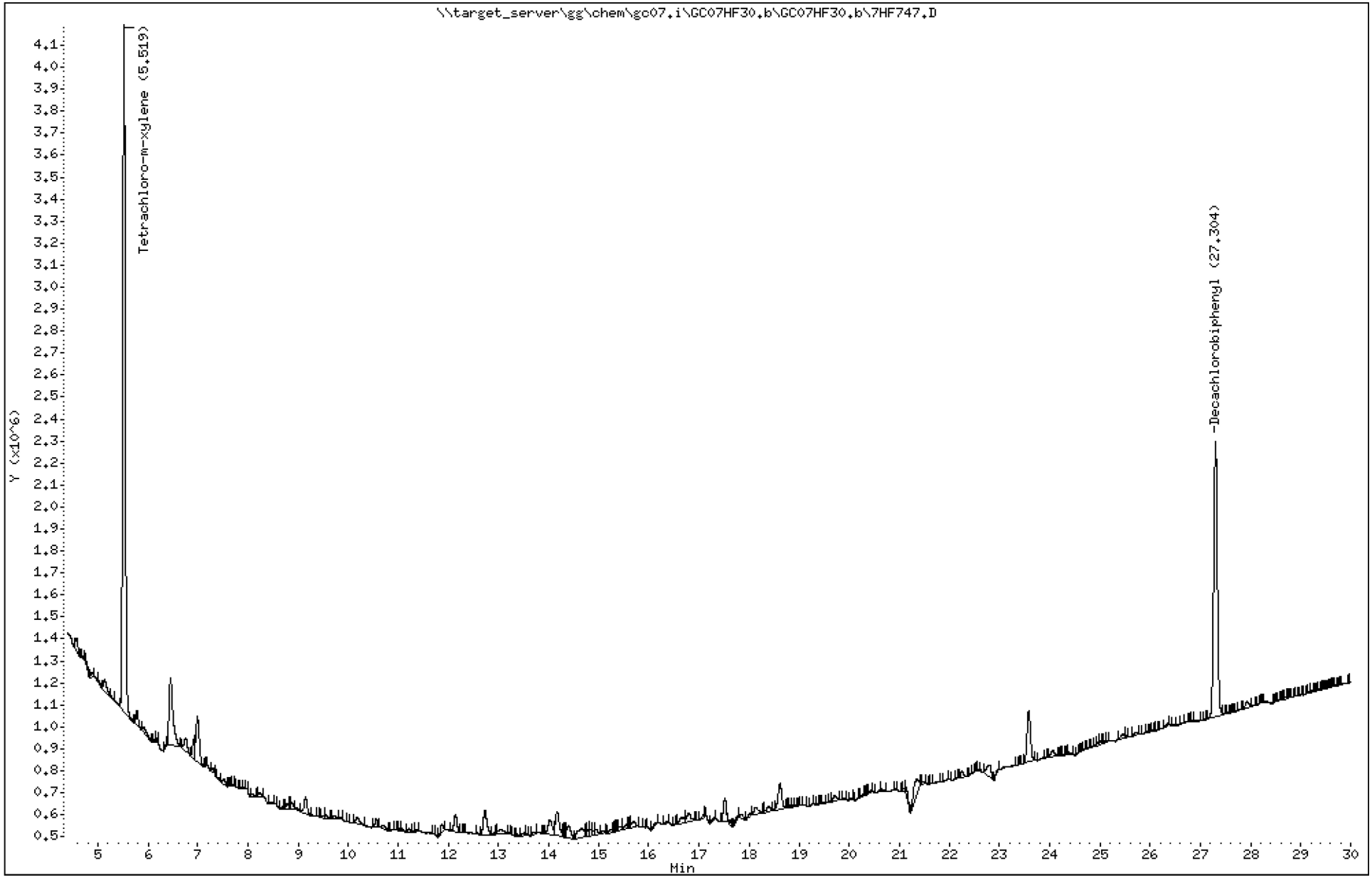
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.519	5.519	0.000	3121859	0.04551	0.0859			(aR)
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
27.304	27.312	-0.008	1253147	0.04257	0.0803			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF747.D
Date : 30-JUN-2014 23:05
Client ID: FTA-SW-07-061914 Instrument: gc07.i
Sample Info: SH4521-18
Purge Volume: 1.1 Operator: CB
Column phase: ZB-MultiResidue-2 Column diameter: 0.53



Katahdin Analytical Services 8000034

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-20
Client ID: FTA-SW-08-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: 7HF748.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145483

Analysis Date: 30-JUN-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Aroclor-1016	U	0.047	ug/L	1	.5	0.094	0.028
Aroclor-1221	U	0.047	ug/L	1	.5	0.094	0.038
Aroclor-1232	U	0.047	ug/L	1	.5	0.094	0.017
Aroclor-1242	U	0.047	ug/L	1	.5	0.094	0.034
Aroclor-1248	U	0.047	ug/L	1	.5	0.094	0.038
Aroclor-1254	U	0.047	ug/L	1	.5	0.094	0.015
Aroclor-1260	U	0.047	ug/L	1	.5	0.094	0.032
Aroclor-1262	U	0.047	ug/L	1	.5	0.094	0.012
Aroclor-1268	U	0.047	ug/L	1	.5	0.094	0.014
Tetrachloro-M-Xylene	*	58.7	%				
Decachlorobiphenyl		59.2	%				

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P.O. Box 540, Scarborough, ME 04070
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Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF748.D
Report Date: 15-Jul-2014 15:15

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF748.D
Lab Smp Id: SH4521-20 Client Smp ID: FTA-SW-08-061914
Inj Date : 30-JUN-2014 23:41
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-20
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

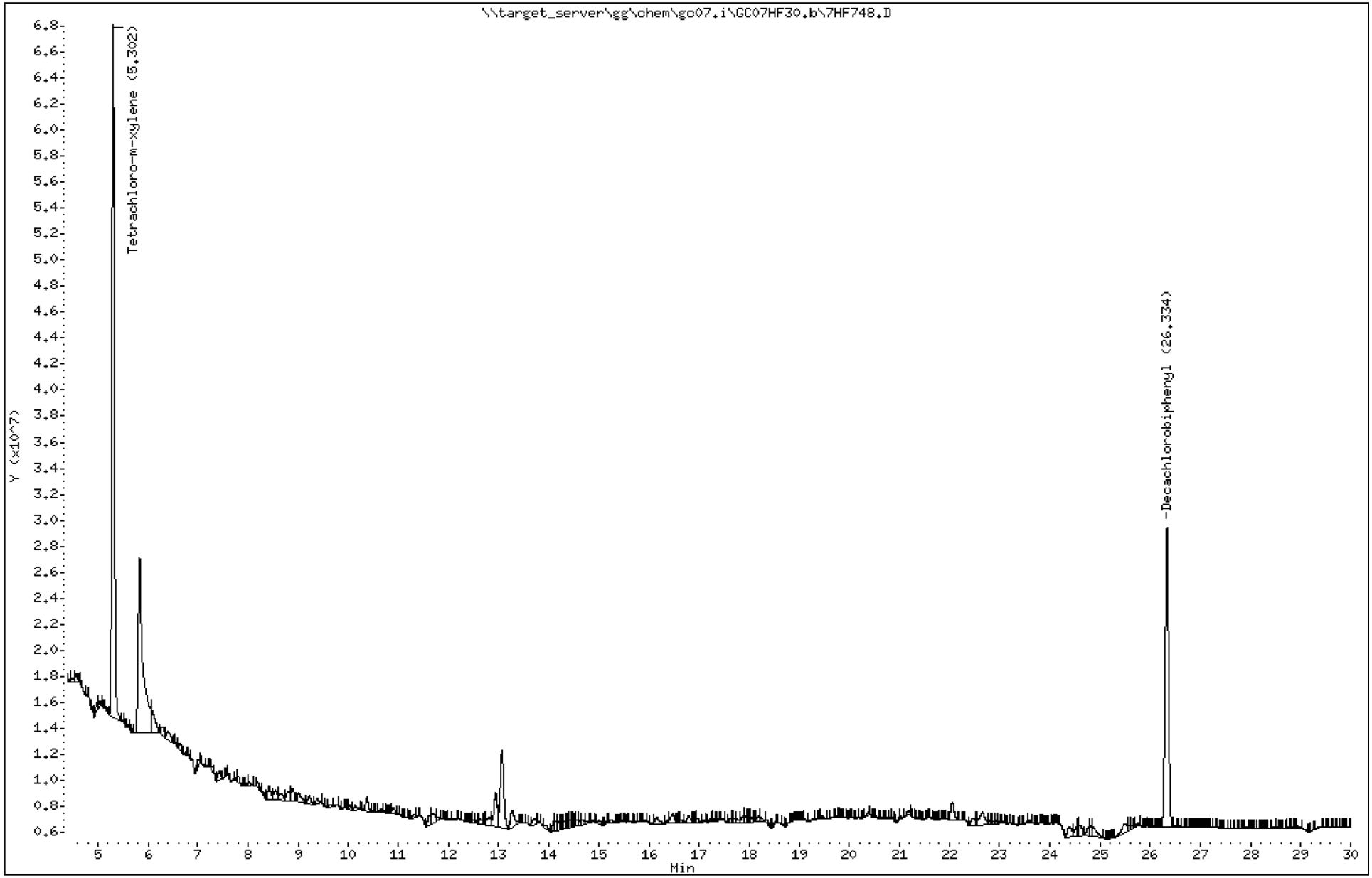
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.301	5.302	-0.001	53152403	0.05666	0.107			(R)
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
26.333	26.356	-0.023	22924509	0.05940	0.112			

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF748.D
Date : 30-JUN-2014 23:41
Client ID: FTA-SW-08-061914
Instrument: gc07.i
Sample Info: SH4521-20
Purge Volume: 1.1
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000037

Data File: 7HF748.D
Report Date: 15-Jul-2014 15:16

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF748.D
Lab Smp Id: SH4521-20 Client Smp ID: FTA-SW-08-061914
Inj Date : 30-JUN-2014 23:41
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-20
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\TARGET_SERVER\GG\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

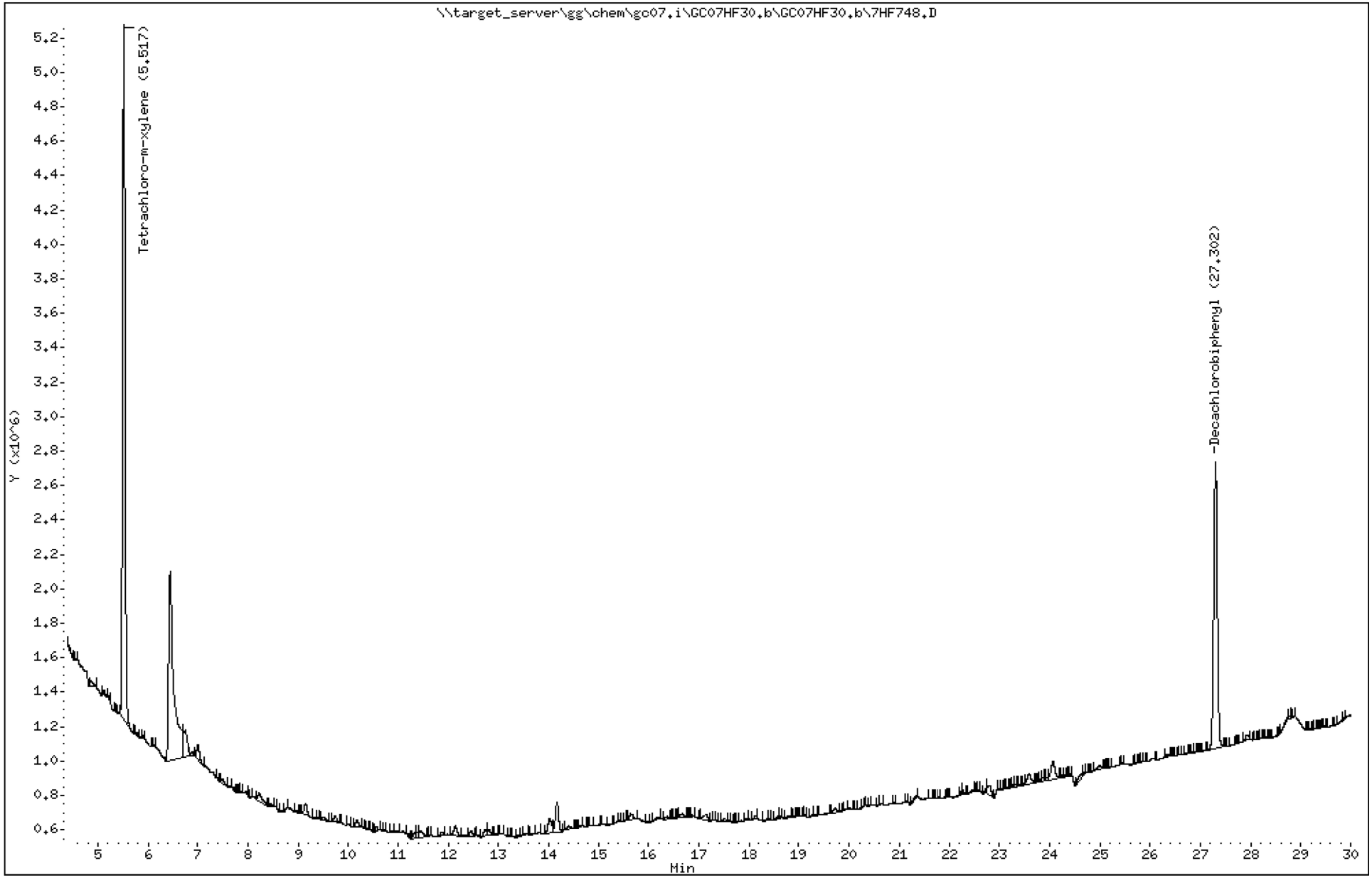
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.516	5.519	-0.003	4040999	0.05908	0.111			(R)
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
27.301	27.312	-0.011	1662170	0.05672	0.107			

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF748.D
Date : 30-JUN-2014 23:41
Client ID: FTA-SW-08-061914
Instrument: gc07.i
Sample Info: SH4521-20
Purge Volume: 1.1
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000039

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-22
Client ID: FTA-SW-DUP01-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: 7HF749.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145483

Analysis Date: 01-JUL-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Aroclor-1016	U	0.047	ug/L	1	.5	0.094	0.028
Aroclor-1221	U	0.047	ug/L	1	.5	0.094	0.038
Aroclor-1232	U	0.047	ug/L	1	.5	0.094	0.017
Aroclor-1242	U	0.047	ug/L	1	.5	0.094	0.034
Aroclor-1248	U	0.047	ug/L	1	.5	0.094	0.038
Aroclor-1254	U	0.047	ug/L	1	.5	0.094	0.015
Aroclor-1260	U	0.047	ug/L	1	.5	0.094	0.032
Aroclor-1262	U	0.047	ug/L	1	.5	0.094	0.012
Aroclor-1268	U	0.047	ug/L	1	.5	0.094	0.014
Tetrachloro-M-Xylene	*	31.0	%				
Decachlorobiphenyl	*	37.7	%				

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P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF749.D
Report Date: 15-Jul-2014 15:23

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF749.D
Lab Smp Id: SH4521-22 Client Smp ID: FTA-SW-DUP01-061914
Inj Date : 01-JUL-2014 00:17
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-22
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.305	5.302	0.003	24715689	0.02515	0.0474		(aRM)	
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
26.329	26.356	-0.027	14393267	0.03777	0.0712		(aR)	

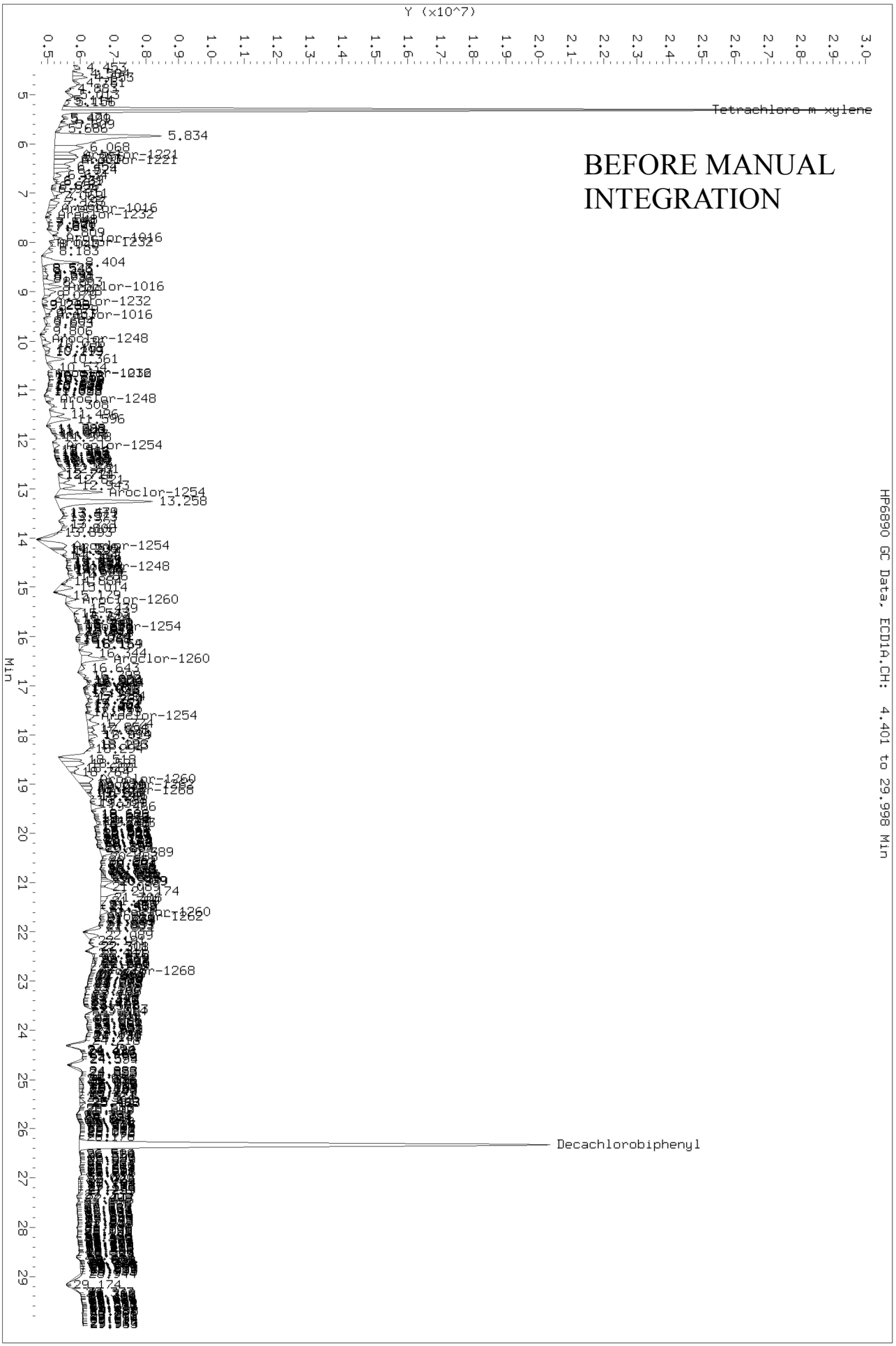


4:11 pm, Jul 15, 2014

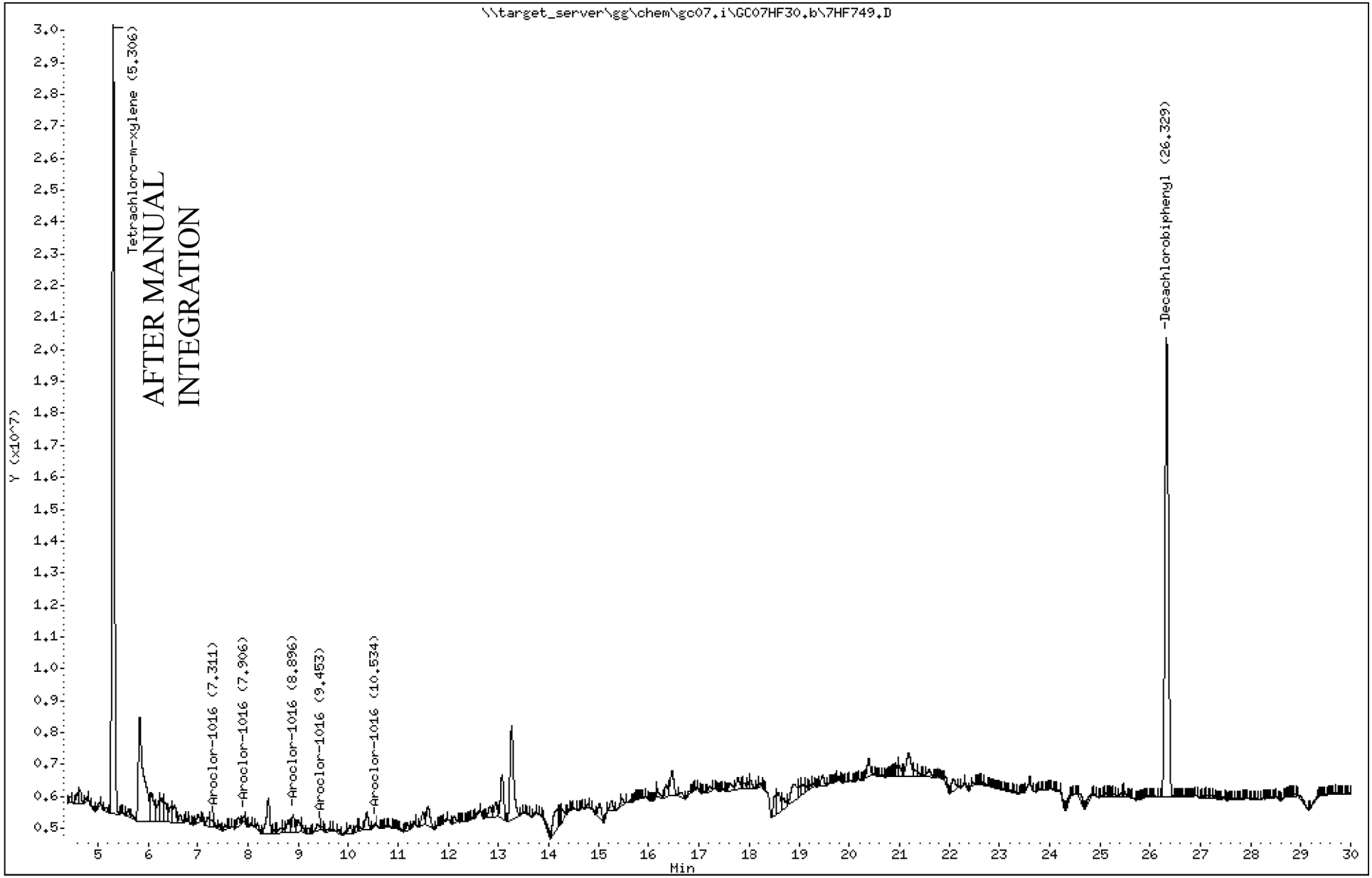
M2

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.


Y (x10^7)
Min
Tetrachloro-m-xylene
5.834
Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1248
Aroclor-1254
13.258
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
29.174
BEFORE MANUAL INTEGRATION
Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF749.D
Injection Date: 01-JUL-2014 00:17
Instrument: gc07.i
Client Sample ID: FTA-SW-DUP01-061914
HP6890 GC Data, ECD1A.CH: 4.401 to 29.998 Min

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF749.D
Date : 01-JUL-2014 00:17
Client ID: FTA-SW-DUP01-061914
Instrument: gc07.i
Sample Info: SH4521-22
Purge Volume: 1.1
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000043

Data File: 7HF749.D
Report Date: 15-Jul-2014 15:23

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF749.D
Lab Smp Id: SH4521-22 Client Smp ID: FTA-SW-DUP01-061914
Inj Date : 01-JUL-2014 00:17
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-22
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

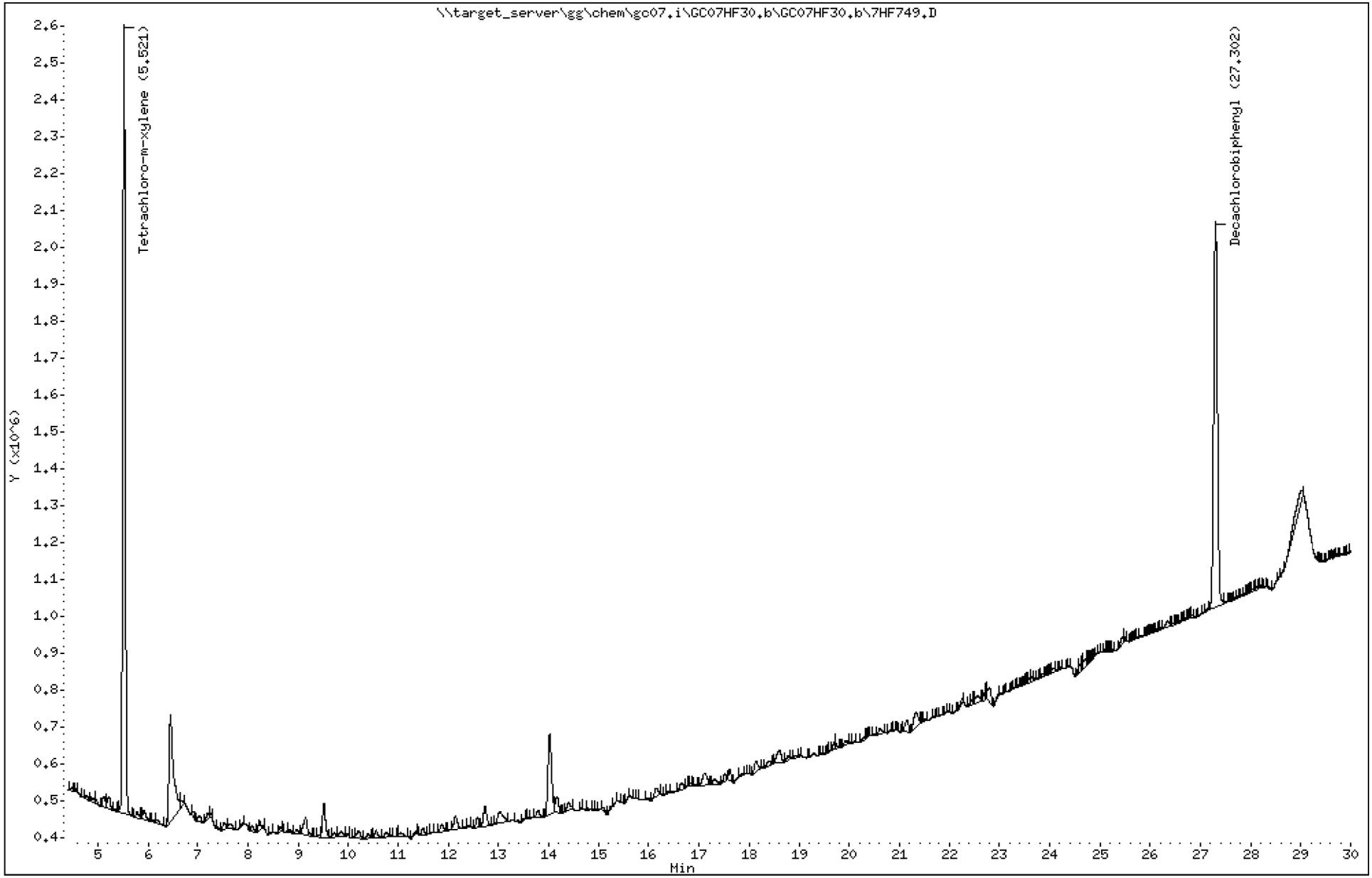
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.520	5.519	0.001	2139989	0.03099	0.0585		(aR)	
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
27.302	27.312	-0.010	1046934	0.03545	0.0669		(aR)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF749.D
Date : 01-JUL-2014 00:17
Client ID: FTA-SW-DUP01-061914
Instrument: gc07.i
Sample Info: SH4521-22
Purge Volume: 1.1
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000045

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-22RE
Client ID: FTA-SW-DUP01-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: 7HG301.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 08-JUL-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG146110

Analysis Date: 10-JUL-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 15-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.024	ug/L	1	.5	0.048	0.014	0.024
Aroclor-1221	U	0.024	ug/L	1	.5	0.048	0.019	0.024
Aroclor-1232	U	0.024	ug/L	1	.5	0.048	0.0085	0.024
Aroclor-1242	U	0.024	ug/L	1	.5	0.048	0.017	0.024
Aroclor-1248	U	0.024	ug/L	1	.5	0.048	0.019	0.024
Aroclor-1254	U	0.024	ug/L	1	.5	0.048	0.0078	0.024
Aroclor-1260	U	0.024	ug/L	1	.5	0.048	0.016	0.024
Aroclor-1262	U	0.024	ug/L	1	.5	0.048	0.0063	0.024
Aroclor-1268	U	0.024	ug/L	1	.5	0.048	0.0068	0.024
Tetrachloro-M-Xylene	*	45.0	%					
Decachlorobiphenyl	*	26.9	%					

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Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG301.D
Report Date: 15-Jul-2014 15:11

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG301.D
Lab Smp Id: SH4521-22RE Client Smp ID: FTA-SW-DUP01-061914
Inj Date : 10-JUL-2014 22:19
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-22RE
Misc Info : WG146326,WG146110,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HG10.b\PCB074.m
Meth Date : 11-Jul-2014 08:54 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 59
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

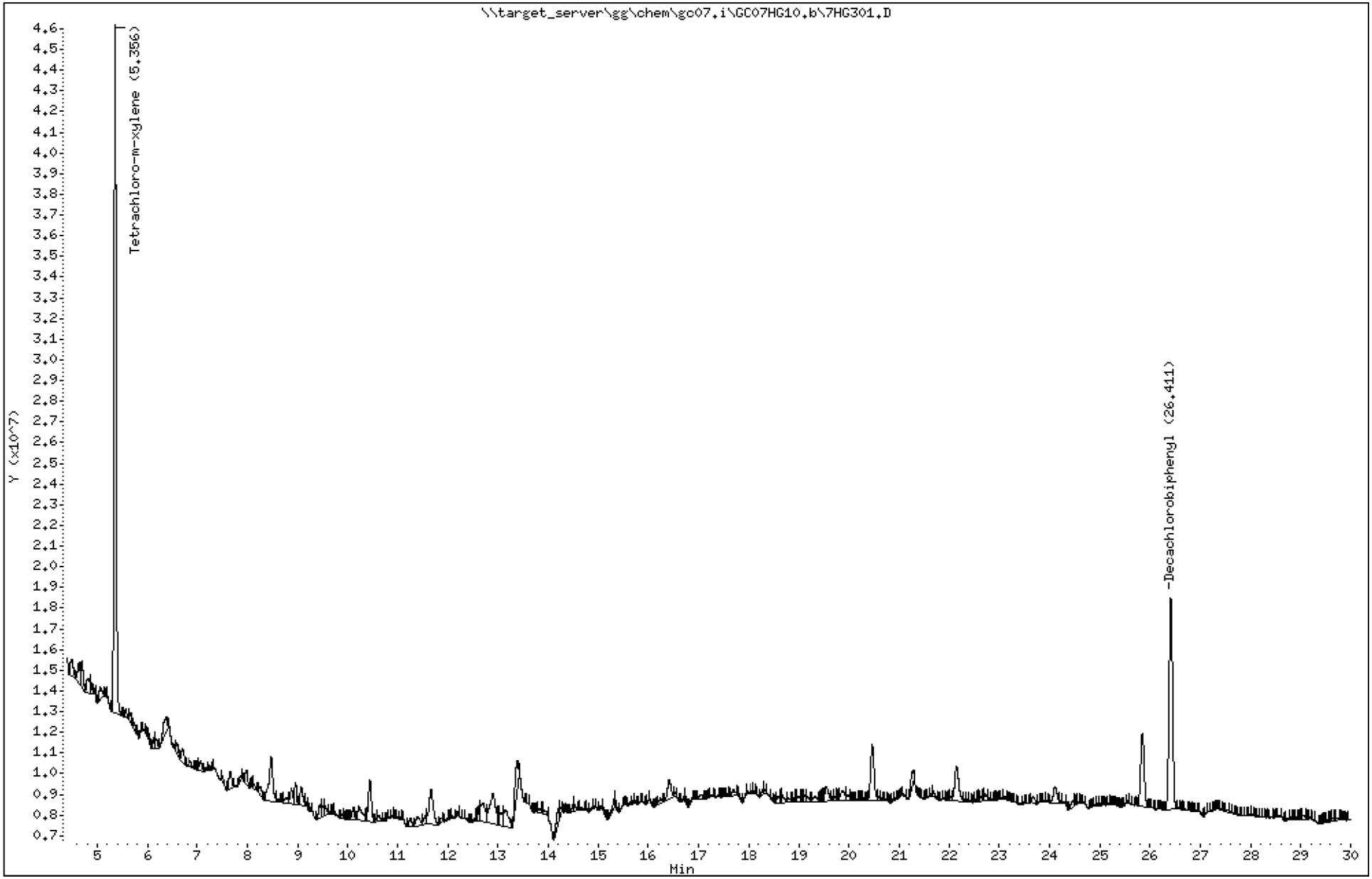
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
RT	EXP RT	DLT RT	RESPONSE					
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.356	5.351	0.005	33261882	0.03438	0.0327		(aR)	
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
26.411	26.418	-0.007	10211941	0.02691	0.0256		(aR)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG301.D
Date : 10-JUL-2014 22:19
Client ID: FTA-SW-DUP01-061914 Instrument: gc07.i
Sample Info: SH4521-22RE
Purge Volume: 1.1 Operator: CB
Column phase: ZB-MultiResidue-1 Column diameter: 0.53



Katahdin Analytical Services 8000048

Data File: 7HG301.D
Report Date: 15-Jul-2014 15:12

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG301.D
Lab Smp Id: SH4521-22RE Client Smp ID: FTA-SW-DUP01-061914
Inj Date : 10-JUL-2014 22:19
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-22RE
Misc Info : WG146326,WG146110,WG144776-1
Comment   :
Method   : \\TARGET_SERVER\GG\chem\gc07.i\GC07HG10.b\PCB074.m\PCB074.m
Meth Date : 15-Jul-2014 11:47 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 59
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

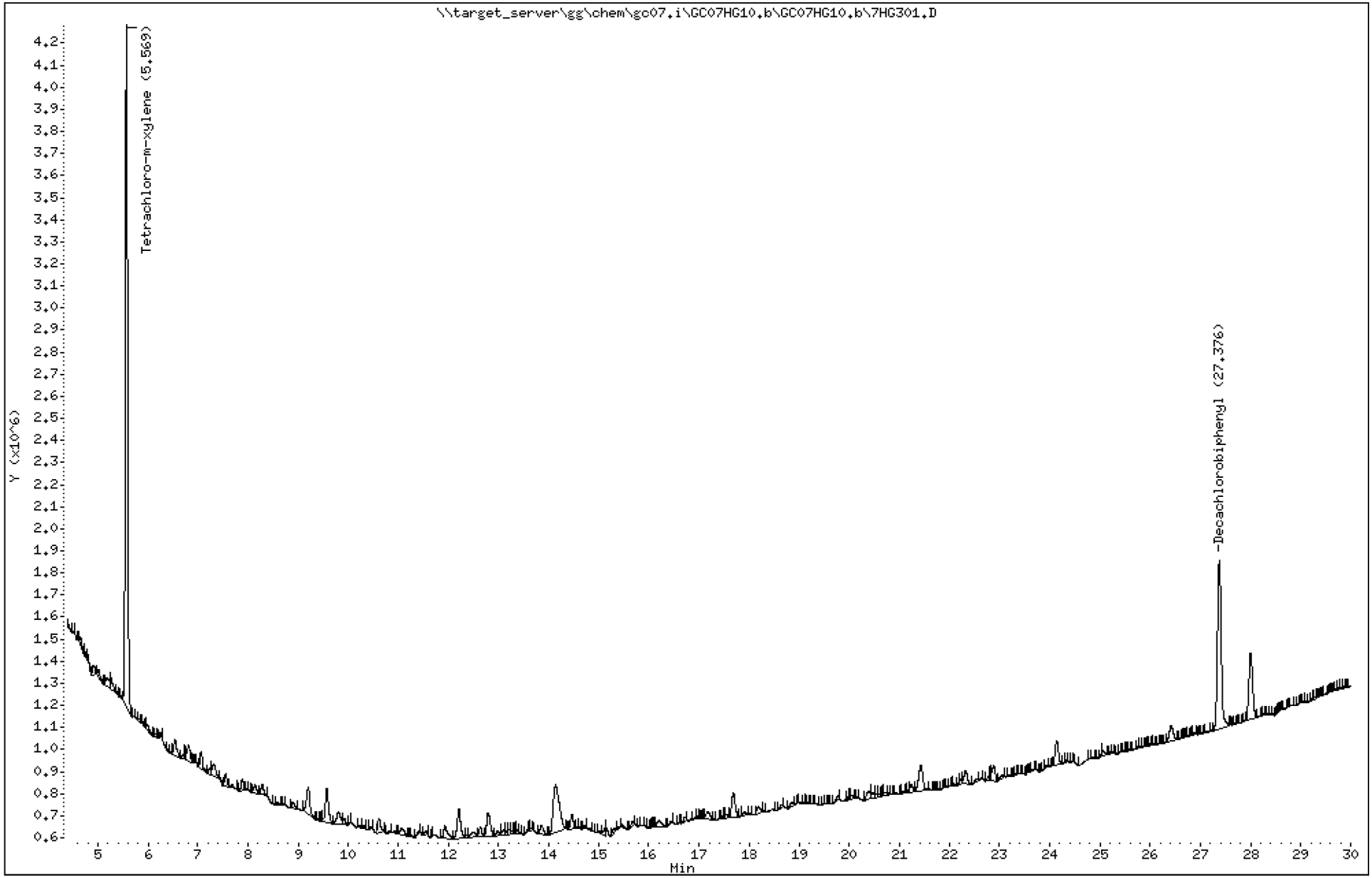
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.569	5.555	0.014	3087586	0.04500	0.0428		(aR)	
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
27.375	27.365	0.010	761697	0.02562	0.0244		(aR)	

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG301.D
Date : 10-JUL-2014 22:19
Client ID: FTA-SW-DUP01-061914 Instrument: gc07.i
Sample Info: SH4521-22RE
Purge Volume: 1.1 Operator: CB
Column phase: ZB-MultiResidue-2 Column diameter: 0.53



Katahdin Analytical Services 8000050

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-24
Client ID: FTA-SD-RB01-062014
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: 7HF750.D

Sample Date: 20-JUN-14
Received Date: 20-JUN-14
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145483

Analysis Date: 01-JUL-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	PQL	ADJ PQL	ADJ MDL
Aroclor-1016	U	0.047	ug/L	1	.5	0.094	0.028
Aroclor-1221	U	0.047	ug/L	1	.5	0.094	0.038
Aroclor-1232	U	0.047	ug/L	1	.5	0.094	0.017
Aroclor-1242	U	0.047	ug/L	1	.5	0.094	0.034
Aroclor-1248	U	0.047	ug/L	1	.5	0.094	0.038
Aroclor-1254	U	0.047	ug/L	1	.5	0.094	0.015
Aroclor-1260	U	0.047	ug/L	1	.5	0.094	0.032
Aroclor-1262	U	0.047	ug/L	1	.5	0.094	0.012
Aroclor-1268	U	0.047	ug/L	1	.5	0.094	0.014
Tetrachloro-M-Xylene		78.8	%				
Decachlorobiphenyl		77.2	%				

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF750.D
Report Date: 15-Jul-2014 15:15

Katahdin Analytical Services

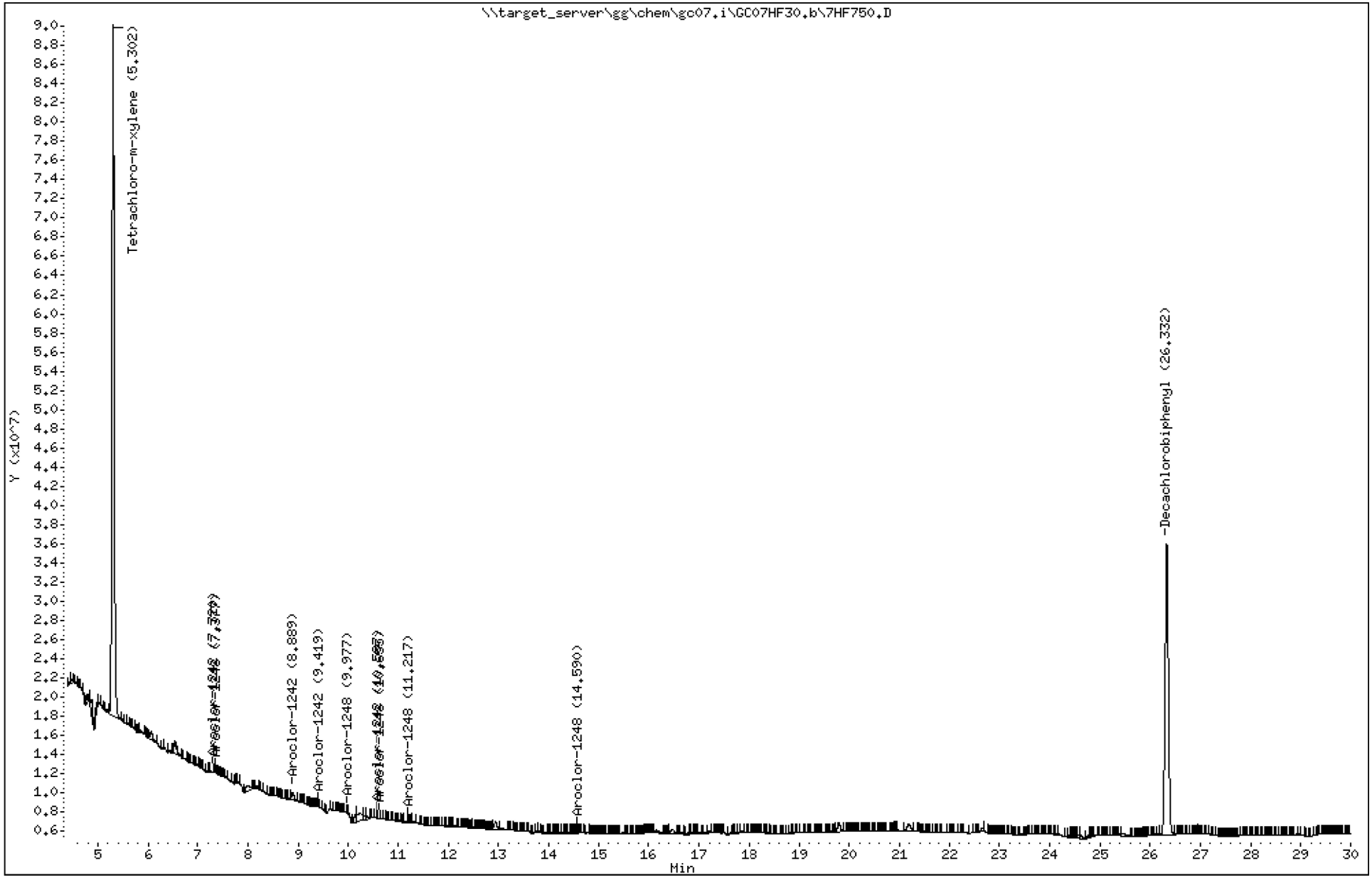
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Lab Smp Id: SH4521-24 Client Smp ID: FTA-SD-RB01-062014
Inj Date : 01-JUL-2014 00:53
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-24
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.302	5.302	0.000	72126179	0.07894	0.149			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
26.332	26.356	-0.024	30343424	0.07763	0.146			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF750.D
Date : 01-JUL-2014 00:53
Client ID: FTA-SD-RB01-062014
Instrument: gc07.i
Sample Info: SH4521-24
Purge Volume: 1.1
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000053

Data File: 7HF750.D
Report Date: 15-Jul-2014 15:16

Katahdin Analytical Services

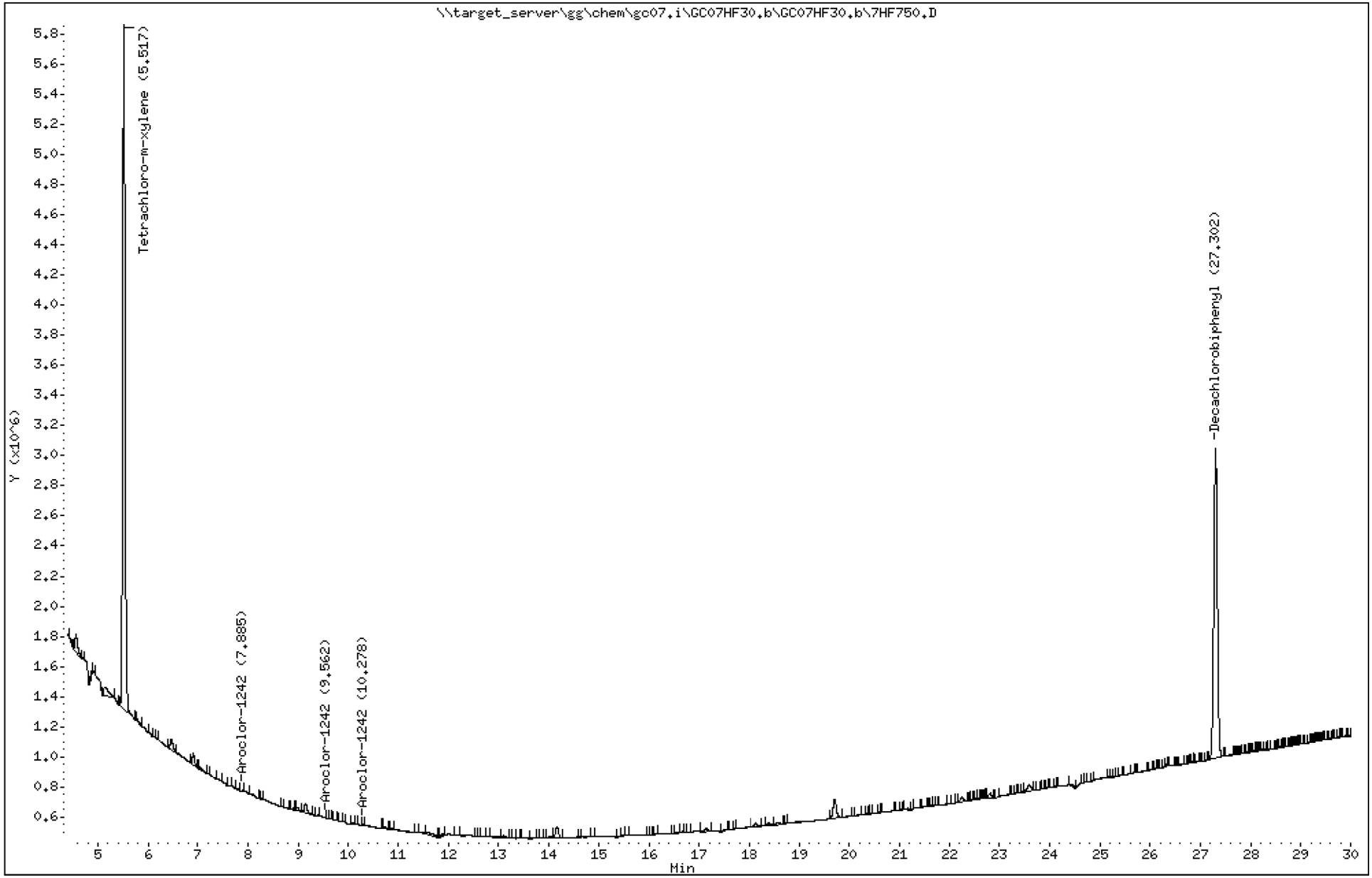
Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF750.D
Lab Smp Id: SH4521-24 Client Smp ID: FTA-SD-RB01-062014
Inj Date : 01-JUL-2014 00:53
Operator : CB Inst ID: gc07.i
Smp Info : SH4521-24
Misc Info : WG145727,WG145483,WG144776-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.516	5.519	-0.003	4541056	0.06646	0.125			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
27.301	27.312	-0.011	2052718	0.07028	0.132			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF750.D
Date : 01-JUL-2014 00:53
Client ID: FTA-SD-RB01-062014
Instrument: gc07.i
Sample Info: SH4521-24
Purge Volume: 1.1
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000055

Standards Data Section

Form 6
Initial Calibration Summary

Lab Name : Katahdin Analytical Services
SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53
Instrument ID: GC07
Lab File IDs : 7HF324.D 7HF325.D 7HF326.D 7HF332.D 7HF327.D 7HF328.D
Column ID: A
Calibration Date(s): 13-JUN-14 14:57, 14-JUN-14 08:24

	Level 1 0.0500000	Level 2 0.1000000	Level 3 0.2500000	Level 4 1.0000	Level 5 2.5000	Level 6 10.0000	Crv New	b	m1	m2	%RSD	Max %RSD	
Aroclor-1221(3)	+++++	+++++	+++++	5529377	+++++	+++++	AVG		5529377		0.000e+0	20.00000	O
Aroclor-1221(1)	+++++	+++++	+++++	2554207	+++++	+++++	AVG		2554207		0.000e+0	20.00000	O
Aroclor-1221(4)	+++++	+++++	+++++	19884217	+++++	+++++	AVG		19884217		0.000e+0	20.00000	O
Aroclor-1221(2)	+++++	+++++	+++++	8026124	+++++	+++++	AVG		8026124		0.000e+0	20.00000	O
Aroclor-1232(3)	+++++	+++++	+++++	8848517	+++++	+++++	AVG		8848517		0.000e+0	20.00000	O
Aroclor-1232(4)	+++++	+++++	+++++	11443323	+++++	+++++	AVG		11443323		0.000e+0	20.00000	O
Aroclor-1232(2)	+++++	+++++	+++++	10054773	+++++	+++++	AVG		10054773		0.000e+0	20.00000	O
Aroclor-1232(5)	+++++	+++++	+++++	7524523	+++++	+++++	AVG		7524523		0.000e+0	20.00000	O
Aroclor-1232(1)	+++++	+++++	+++++	19186494	+++++	+++++	AVG		19186494		0.000e+0	20.00000	O
Aroclor-1242(2)	13823880	13995110	13808308	13168339	12672944	10753604	AVG		13037031		9.39169	20.00000	O
Aroclor-1242(1)	16047500	16428880	16075232	15414389	14638292	11884555	AVG		15081475		11.19925	20.00000	O
Aroclor-1242(4)	14021200	14076580	13987412	13598637	13863325	14213873	AVG		13960171		1.51098	20.00000	O
Aroclor-1242(3)	33738940	31549380	30441420	31371385	33042189	38235429	AVG		33063124		8.47261	20.00000	O
Aroclor-1242(5)	12050880	13527410	12707568	12981680	13102663	13583750	AVG		12992325		4.37543	20.00000	O
Aroclor-1016(3)	1837299	5993045	8582495	33034389	94973874	44988014	QUA	0.00139	2.785e-00	-1.250e-0	0.99981	0.99000	O
Aroclor-1016(1)	930479	2734509	4593218	16137928	41479216	13807351	QUA	-0.00921	5.637e-00	1.167e-01	0.99990	0.99000	O
Aroclor-1016(2)	788979	2058336	3847350	14108198	36746662	12377715	QUA	0.00393	6.370e-00	1.377e-01	0.99991	0.99000	O
Aroclor-1016(5)	729998	2774942	3664847	13145794	36239029	15118250	QUA	-0.01935	7.164e-00	-3.553e-0	0.99981	0.99000	O
Aroclor-1016(4)	795723	2959985	4064069	14239155	39522689	16536751	QUA	-0.01846	6.576e-00	-3.135e-0	0.99980	0.99000	O
Aroclor-1248(4)	16734020	17933120	17200152	17778665	17471369	20650763	AVG		17961348		7.71174	20.00000	O
Aroclor-1248(1)	7683580	9659180	9122596	8697333	8138891	7319828	AVG		8436901		10.51638	20.00000	O
Aroclor-1248(2)	18365360	21677420	20882252	21202700	20932802	24396031	AVG		21242761		9.08901	20.00000	O
Aroclor-1248(5)	9069380	14716280	14016368	14582029	14488874	17042681	AVG		13985935		18.82480	20.00000	O
Aroclor-1248(3)	22504480	24872350	23681244	23981927	23645314	26551806	AVG		24206187		5.68902	20.00000	O
Aroclor-1254(3)	1232539	2556302	6285195	26007009	70295668	34811973	QUA	0.01111	3.737e-00	-2.492e-0	0.99998	0.99000	O
Aroclor-1254(1)	1465321	3004017	7061458	29392455	79349967	40695692	QUA	0.00902	3.326e-00	-2.142e-0	0.99998	0.99000	O
Aroclor-1254(5)	1880749	3867985	9844676	39615090	112810795	64460528	QUA	0.01816	2.365e-00	-1.267e-0	0.99993	0.99000	O
Aroclor-1254(4)	1900433	4154195	10006527	40679709	119478928	64447154	QUA	0.02462	2.226e-00	-1.052e-0	0.99988	0.99000	O
Aroclor-1254(2)	1728412	3548996	8597073	36049192	98333117	57001817	QUA	0.01126	2.711e-00	-1.681e-0	0.99998	0.99000	O
Aroclor-1260(5)	1676697	5295796	8461122	30746877	95194785	58029253	QUA	0.01749	2.835e-00	-1.921e-0	0.99969	0.99000	D
Aroclor-1260(3)	1956449	7077805	10119746	39217017	114934920	64443478	QUA	0.00573	2.340e-00	-1.224e-0	0.99980	0.99000	D
Aroclor-1260(1)	1412559	5131212	7095376	25613299	77187157	39063742	QUA	0.00415	3.466e-00	-2.323e-0	0.99969	0.99000	D
Aroclor-1260(2)	2381439	9285361	12476143	48087138	144610833	64451397	QUA	0.01600	1.805e-00	-3.982e-0	0.99967	0.99000	D
Aroclor-1260(4)	1166922	3954775	5663268	20509507	63563035	30821716	QUA	0.01554	4.175e-00	-3.038e-0	0.99962	0.99000	D
Aroclor-1262(1)	+++++	+++++	+++++	30082705	+++++	+++++	AVG		30082705		0.000e+0	20.00000	O
Aroclor-1262(5)	+++++	+++++	+++++	64572311	+++++	+++++	AVG		64572311		0.000e+0	20.00000	O
Aroclor-1262(4)	+++++	+++++	+++++	39902133	+++++	+++++	AVG		39902133		0.000e+0	20.00000	O

Form 6
Initial Calibration Summary

Lab Name : Katahdin Analytical Services
SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53
Instrument ID: GC07
Lab File IDs : 7HF324.D 7HF325.D 7HF326.D 7HF332.D 7HF327.D 7HF328.D
Column ID: A
Calibration Date(s): 13-JUN-14 14:57, 14-JUN-14 08:24

Aroclor-1262(2)	+++++	+++++	+++++	49972110	+++++	+++++	AVG		49972110		0.000e+0	20.00000	O
Aroclor-1262(3)	+++++	+++++	+++++	71661743	+++++	+++++	AVG		71661743		0.000e+0	20.00000	O
Aroclor-1268(3)	+++++	+++++	+++++	14615073	+++++	+++++	AVG		146150735		0.000e+0	20.00000	O
Aroclor-1268(5)	+++++	+++++	+++++	40806786	+++++	+++++	AVG		40806786		0.000e+0	20.00000	O
Aroclor-1268(2)	+++++	+++++	+++++	32528426	+++++	+++++	AVG		32528426		0.000e+0	20.00000	O
Aroclor-1268(1)	+++++	+++++	+++++	25463362	+++++	+++++	AVG		25463362		0.000e+0	20.00000	O
Aroclor-1268(4)	+++++	+++++	+++++	10875235	+++++	+++++	AVG		108752353		0.000e+0	20.00000	O
Tetrachloro-m-xylene	1242477	3962200	5085750	18203414	47933384	16334966	QUA	-0.00042	1.000e-00	1.386e-01	0.99980	0.99000	
Decachlorobiphenyl	391984	1369792	1901411	7040317	19392092	87373280	QUA	-0.00033	2.717e-00	-4.852e-0	0.99985	0.99000	

Legend: O = Kept Original Curve
Y = Failed Minimum RF
W = Failed %RSD Value

Form 6
Initial Calibration Summary

Lab Name : Katahdin Analytical Services
SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53
Instrument ID: GC07
Lab File IDs : 7HF324.D 7HF325.D 7HF326.D 7HF332.D 7HF327.D 7HF328.D
Column ID: B
Calibration Date(s): 13-JUN-14 14:57, 14-JUN-14 08:24

	0.0500000 Level 1	0.1000000 Level 2	0.2500000 Level 3	1.0000 Level 4	2.5000 Level 5	10.0000 Level 6	New Crv	b	m1	m2	%RSD	Max %RSD	
Aroclor-1221(4)	+++++	+++++	+++++	1462244	+++++	+++++	AVG		1462244		0.000e+0	20.00000	O
Aroclor-1221(3)	+++++	+++++	+++++	421400	+++++	+++++	AVG		421400		0.000e+0	20.00000	O
Aroclor-1221(2)	+++++	+++++	+++++	612853	+++++	+++++	AVG		612853		0.000e+0	20.00000	O
Aroclor-1221(1)	+++++	+++++	+++++	173549	+++++	+++++	AVG		173549		0.000e+0	20.00000	O
Aroclor-1232(1)	+++++	+++++	+++++	494921	+++++	+++++	AVG		494921		0.000e+0	20.00000	O
Aroclor-1232(3)	+++++	+++++	+++++	624764	+++++	+++++	AVG		624764		0.000e+0	20.00000	O
Aroclor-1232(4)	+++++	+++++	+++++	687954	+++++	+++++	AVG		687954		0.000e+0	20.00000	O
Aroclor-1232(5)	+++++	+++++	+++++	525789	+++++	+++++	AVG		525789		0.000e+0	20.00000	O
Aroclor-1232(2)	+++++	+++++	+++++	693855	+++++	+++++	AVG		693855		0.000e+0	20.00000	O
Aroclor-1016(4)	69558	258274	328862	1181839	2948187	11045171	QUA	-0.04607	8.517e-00	5.230e-01	0.99989	0.99000	O
Aroclor-1016(3)	137602	446674	617889	2259616	5713712	21111093	QUA	-0.03309	4.352e-00	1.894e-01	0.99992	0.99000	O
Aroclor-1016(1)	74899	246244	345281	1196442	2885404	10390050	QUA	-0.05333	8.548e-00	1.085e-01	0.99993	0.99000	O
Aroclor-1016(5)	58338	217907	282151	978159	2484160	9359581	QUA	-0.04567	1.016e-00	6.130e-01	0.99987	0.99000	O
Aroclor-1016(2)	63324	237391	296931	1055150	2581392	9200189	QUA	-0.05030	9.520e-00	1.526e-01	0.99989	0.99000	O
Aroclor-1242(4)	1228520	1163220	1153128	1071751	1012975	927564	AVG		1092860		10.11814	20.00000	O
Aroclor-1242(3)	2338320	2262040	2137324	2073378	1941683	1792576	AVG		2090887		9.66597	20.00000	O
Aroclor-1242(1)	1346100	1262390	1223608	1092724	1012502	864340	AVG		1133611		15.7149(	20.00000	O
Aroclor-1242(5)	1004800	1027200	981792	921166	872058	804947	AVG		935327		9.15087	20.00000	O
Aroclor-1242(2)	1132600	1093140	1037640	959304	891249	777297	AVG		981872		13.57138	20.00000	O
Aroclor-1248(2)	1706040	1898160	1711924	1591263	1477680	1414341	AVG		1633235		10.7995(	20.00000	O
Aroclor-1248(5)	1066660	1131780	1042752	984887	910822	928493	AVG		1010899		8.41927	20.00000	O
Aroclor-1248(1)	1509460	1670150	1516428	1384665	1305054	1246261	AVG		1438670		10.8767(	20.00000	O
Aroclor-1248(4)	1451960	1426660	1327460	1251294	1171750	1175602	AVG		1300788		9.36382	20.00000	O
Aroclor-1248(3)	1211560	1314700	1180716	1117217	1053829	1047506	AVG		1154255		8.88424	20.00000	O
Aroclor-1254(4)	145770	294659	687160	2660787	6497274	24031175	QUA	-0.00580	3.740e-00	1.764e-01	1.00000	0.99000	O
Aroclor-1254(1)	126889	257264	588484	2196959	5404404	19504957	QUA	-0.00709	4.460e-00	3.435e-01	1.00000	0.99000	O
Aroclor-1254(2)	128381	263188	620395	2293250	5564439	20459016	QUA	-0.01065	4.361e-00	2.600e-01	1.00000	0.99000	O
Aroclor-1254(3)	97365	198446	459134	1743739	4280251	16167569	QUA	-0.00828	5.737e-00	2.806e-01	1.00000	0.99000	O
Aroclor-1254(5)	135191	283641	655160	2570142	6329448	23908614	QUA	-0.00410	3.873e-00	1.300e-01	1.00000	0.99000	O
Aroclor-1260(1)	113383	406375	530846	1947642	4928743	19223260	QUA	-0.04003	5.161e-00	3.180e-01	0.99990	0.99000	O
Aroclor-1260(5)	137848	474651	643085	2411775	6103970	24034683	QUA	-0.03478	4.168e-00	2.718e-01	0.99992	0.99000	O
Aroclor-1260(2)	165953	572893	782100	2941258	7465908	28030050	QUA	-0.02858	3.344e-00	8.322e-01	0.99991	0.99000	O
Aroclor-1260(4)	97424	362014	496521	1830759	4725478	18295502	QUA	-0.02755	5.351e-00	7.060e-01	0.99990	0.99000	O
Aroclor-1260(3)	143752	504579	680849	2488841	6401234	24828221	QUA	-0.03274	3.962e-00	3.150e-01	0.99990	0.99000	O
Aroclor-1262(4)	+++++	+++++	+++++	2952966	+++++	+++++	AVG		2952966		0.000e+0	20.00000	O
Aroclor-1262(3)	+++++	+++++	+++++	4107693	+++++	+++++	AVG		4107693		0.000e+0	20.00000	O
Aroclor-1262(5)	+++++	+++++	+++++	3517352	+++++	+++++	AVG		3517352		0.000e+0	20.00000	O

Form 6
Initial Calibration Summary

Lab Name : Katahdin Analytical Services
SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53
Instrument ID: GC07
Lab File IDs : 7HF324.D 7HF325.D 7HF326.D 7HF332.D 7HF327.D 7HF328.D
Column ID: B
Calibration Date(s): 13-JUN-14 14:57, 14-JUN-14 08:24

Aroclor-1262(2)	+++++	+++++	+++++	2794704	+++++	+++++	AVG		2794704		0.000e+0	20.00000	O
Aroclor-1262(1)	+++++	+++++	+++++	1951761	+++++	+++++	AVG		1951761		0.000e+0	20.00000	O
Aroclor-1268(2)	+++++	+++++	+++++	1957366	+++++	+++++	AVG		1957366		0.000e+0	20.00000	O
Aroclor-1268(1)	+++++	+++++	+++++	1585562	+++++	+++++	AVG		1585562		0.000e+0	20.00000	O
Aroclor-1268(5)	+++++	+++++	+++++	2615087	+++++	+++++	AVG		2615087		0.000e+0	20.00000	O
Aroclor-1268(3)	+++++	+++++	+++++	7990989	+++++	+++++	AVG		7990989		0.000e+0	20.00000	O
Aroclor-1268(4)	+++++	+++++	+++++	5557413	+++++	+++++	AVG		5557413		0.000e+0	20.00000	O
Tetrachloro-m-xylene	76245	296591	363876	1309596	3457092	13629176	QUA	-0.00069	1.482e-00	-6.978e-0	0.99983	0.99000	
Decachlorobiphenyl	30828	114003	149909	577791	1475779	5739270	QUA	-0.00055	3.426e-00	1.190e-01	0.99991	0.99000	

Legend: O = Kept Original Curve
Y = Failed Minimum RF
W = Failed %RSD Value

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF309.D
Report Date: 20-Jun-2014 16:28

Katahdin Analytical Services

RECOVERY REPORT

Client Name: Client SDG: SDGa01504
Sample Matrix: SOLID Fraction: PCB
Lab Smp Id: WG144776-13
Level: LOW Operator: CB
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: 1016ind.spk Quant Type: ESTD
Sublist File: AR1016.sub
Method File: \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Misc Info: WG144776,WG144776,WG144776-1,SH3820-1

SPIKE COMPOUND	CONC ADDED ug/Kgdrywt	CONC RECOVERED ug/Kgdrywt	% RECOVERED	LIMITS
6 Aroclor-1016	33.3	34.3	102.90	80-120

Data File: 7HF309.D
Report Date: 20-Jun-2014 16:28

Katahdin Analytical Services

RECOVERY REPORT

Client Name: Client SDG: SDGa01504
Sample Matrix: SOLID Fraction: PCB
Lab Smp Id: WG144776-13
Level: LOW Operator: CB
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: 1016ind.spk Quant Type: ESTD
Sublist File: AR1016.sub
Method File: \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Misc Info: WG144776,WG144776,WG144776-1,SH3820-1

SPIKE COMPOUND	CONC ADDED ug/Kgdrywt	CONC RECOVERED ug/Kgdrywt	% RECOVERED	LIMITS
5 Aroclor-1016	33.3	34.3	102.90	80-120

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF310.D
Report Date: 20-Jun-2014 16:28

Katahdin Analytical Services

RECOVERY REPORT

Client Name: Client SDG: SDGa01504
Sample Matrix: SOLID Fraction: PCB
Lab Smp Id: WG144776-14
Level: LOW Operator: CB
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: 1260ind.spk Quant Type: ESTD
Sublist File: AR1260.sub
Method File: \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Misc Info: WG144776,WG144776,WG144776-1,SH3820-1

SPIKE COMPOUND	CONC ADDED ug/Kgdrywt	CONC RECOVERED ug/Kgdrywt	% RECOVERED	LIMITS
9 Aroclor-1260	33.3	35.1	105.30	80-120

Data File: 7HF310.D
Report Date: 20-Jun-2014 16:28

Katahdin Analytical Services

RECOVERY REPORT

Client Name: Client SDG: SDGa01504
Sample Matrix: SOLID Fraction: PCB
Lab Smp Id: WG144776-14
Level: LOW Operator: CB
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: 1260ind.spk Quant Type: ESTD
Sublist File: AR1260.sub
Method File: \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Misc Info: WG144776,WG144776,WG144776-1,SH3820-1

SPIKE COMPOUND	CONC ADDED ug/Kgdrywt	CONC RECOVERED ug/Kgdrywt	% RECOVERED	LIMITS
9 Aroclor-1260	33.3	34.4	103.20	80-120

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF309.D
Report Date: 23-Jun-2014 11:10

Katahdin Analytical Services

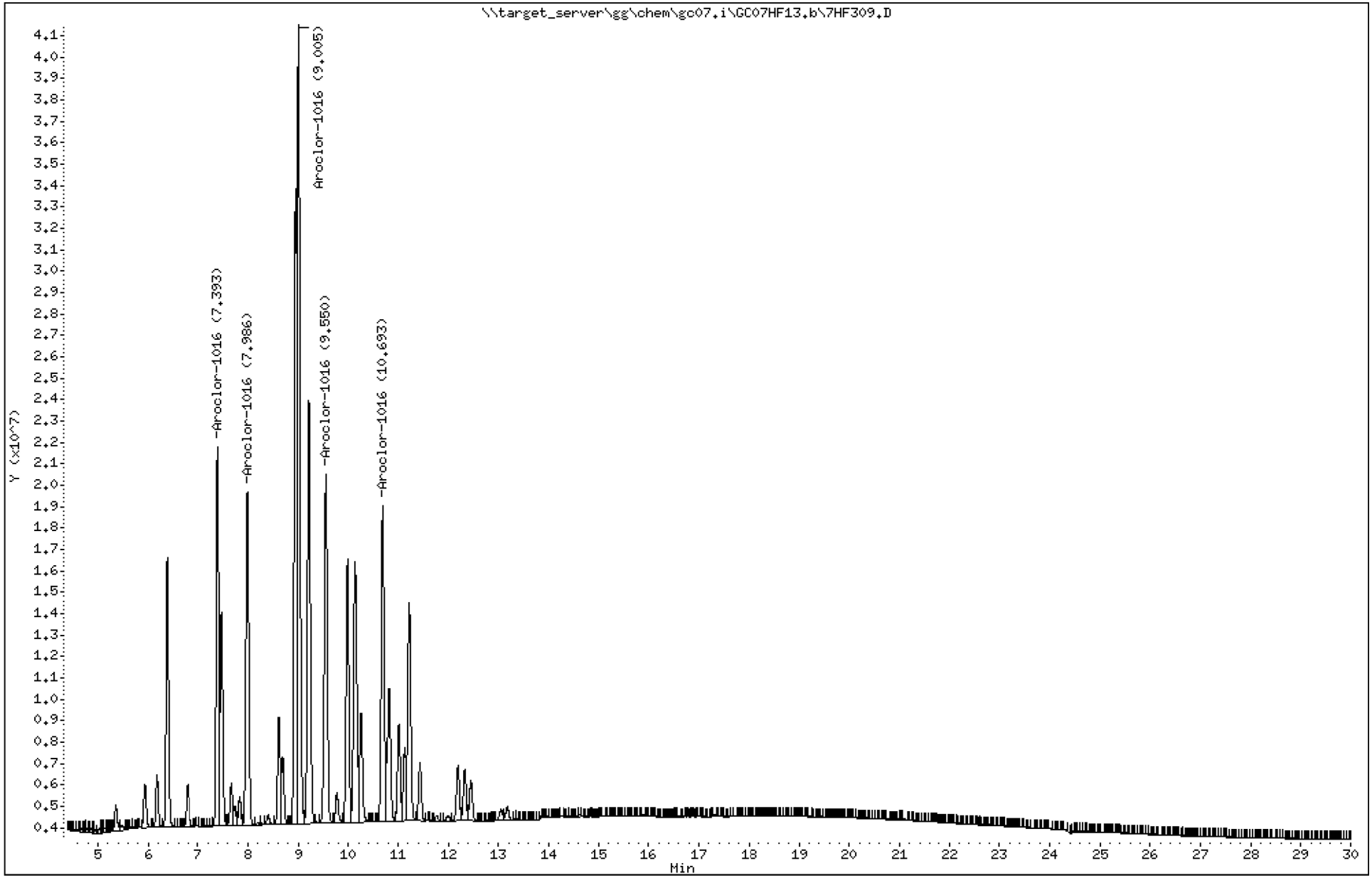
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Lab Smp Id: WG144776-13
Inj Date : 13-JUN-2014 18:34
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-13,IRSITE22-1
Misc Info : WG144776,WG144776,WG144776-1,SH3820-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1016.sub
Target Version: 4.12 Sample Matrix: SOIL

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

			AMOUNTS					
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
6 Aroclor-1016					CAS #: 12674-11-2			
7.393	7.380	0.013	17691567	1.00000	1.02	80.00- 120.00	100.00	
7.986	7.972	0.014	15562572	1.00000	1.03	158.77- 238.15	87.97	
9.004	8.987	0.017	37319055	1.00000	1.02	296.98- 445.46	210.94	
9.549	9.533	0.016	16280979	1.00000	1.04	114.78- 172.16	92.03	
10.693	10.677	0.016	14756593	1.00000	1.03	112.32- 168.48	83.41	
Average of Peak Amounts =					1.02800			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF309.D
Date : 13-JUN-2014 18:34
Client ID:
Instrument: gc07.i
Sample Info: WG144776-13,IRSITE22-1
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000066

Data File: 7HF309.D
Report Date: 23-Jun-2014 11:10

Katahdin Analytical Services

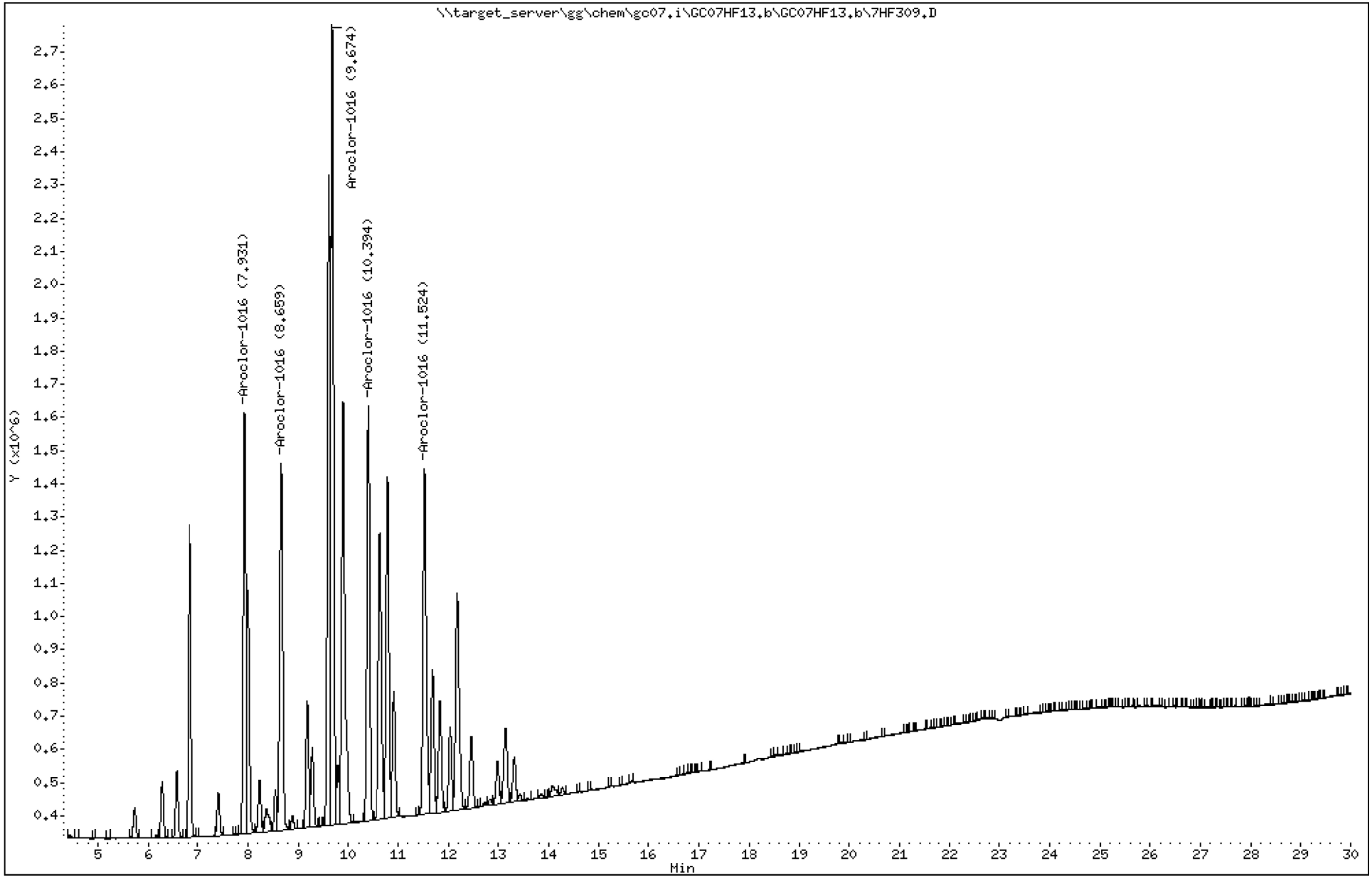
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Lab Smp Id: WG144776-13
Inj Date : 13-JUN-2014 18:34
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-13,IRSITE22-1
Misc Info : WG144776,WG144776,WG144776-1,SH3820-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1016.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
5 Aroclor-1016					CAS #: 12674-11-2			
7.931	7.922	0.009	1267615	1.00000	1.05	80.00- 120.00	100.00	
8.659	8.650	0.009	1103360	1.00000	1.02	158.77- 238.15	87.04	
9.674	9.664	0.010	2410590	1.00000	1.03	296.98- 445.46	190.17	
10.394	10.382	0.012	1250959	1.00000	1.03	114.78- 172.17	98.69	
11.524	11.512	0.012	1040939	1.00000	1.02	112.32- 168.48	82.12	
Average of Peak Amounts =				1.03000				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF309.D
Date : 13-JUN-2014 18:34
Client ID:
Instrument: gc07.i
Sample Info: WG144776-13,IRSITE22-1
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000068

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF310.D
Report Date: 23-Jun-2014 11:10

Katahdin Analytical Services

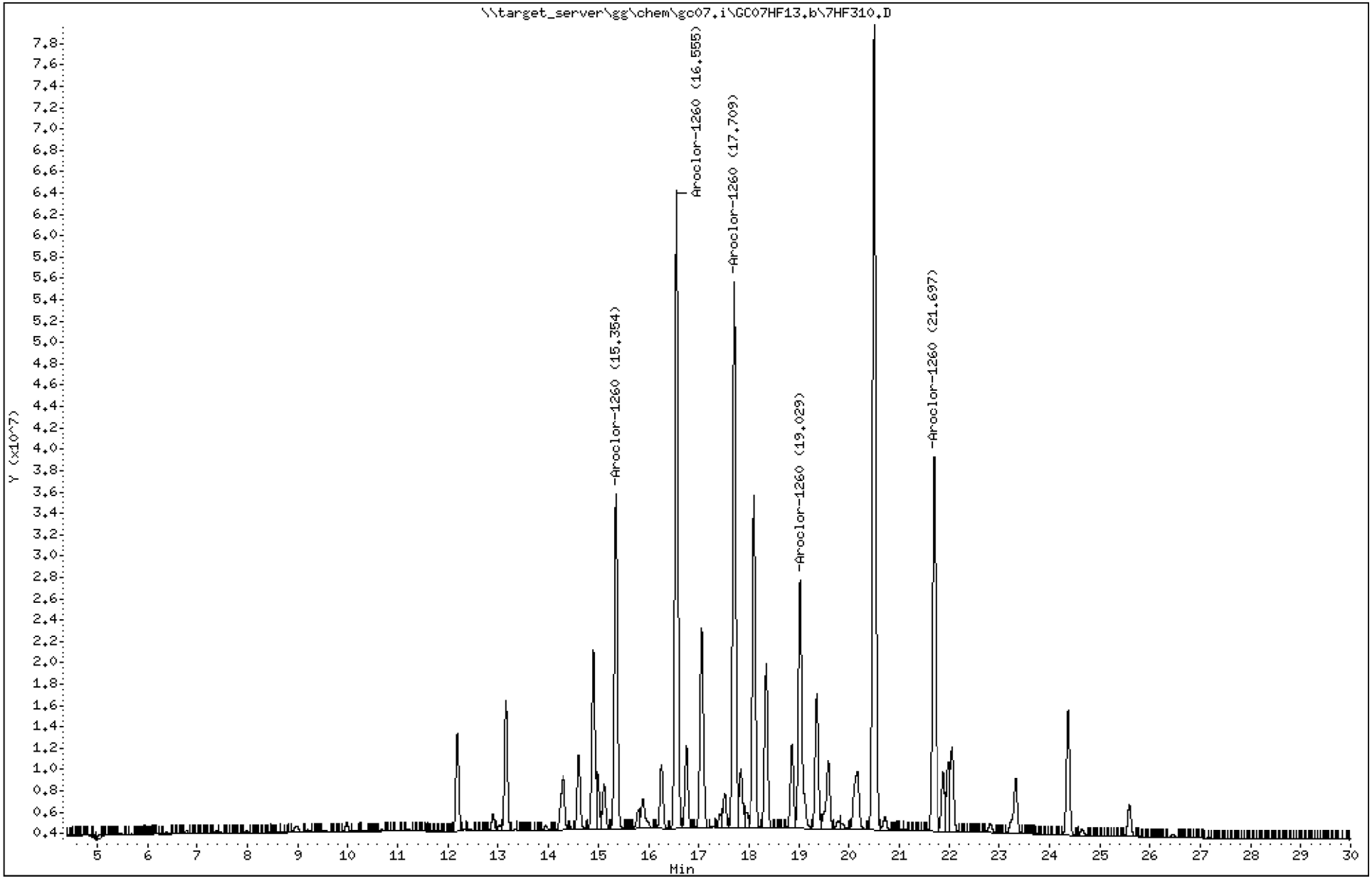
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Lab Smp Id: WG144776-14
Inj Date : 13-JUN-2014 19:10
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-14,IRSITE22-1
Misc Info : WG144776,WG144776,WG144776-1,SH3820-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1260.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
9 Aroclor-1260					CAS #: 11096-82-5			
15.353	15.343	0.010	31330896	1.00000	1.07	80.00- 120.00	100.00	
16.555	16.550	0.005	59683415	1.00000	1.08	94.69- 142.03	190.49	
17.708	17.693	0.015	51057830	1.00000	1.17	89.28- 133.92	162.96	
19.028	19.018	0.010	23181583	1.00000	0.967	72.48- 108.72	73.99	
21.696	21.692	0.004	35054217	1.00000	0.988	0.00- 0.00	111.88	
		Average of Peak Amounts =			1.05500			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF310.D
Date : 13-JUN-2014 19:10
Client ID:
Instrument: gc07.i
Sample Info: WG144776-14,IRSITE22-1
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000070

Data File: 7HF310.D
Report Date: 23-Jun-2014 11:10

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF310.D
Lab Smp Id: WG144776-14
Inj Date : 13-JUN-2014 19:10
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-14,IRSITE22-1
Misc Info : WG144776,WG144776,WG144776-1,SH3820-1
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1260.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: V200T5

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
M	0.00000	% Moisture
Ws	0.03000	Weight of Sample (Kg)
Cpnd Variable		Local Compound Variable

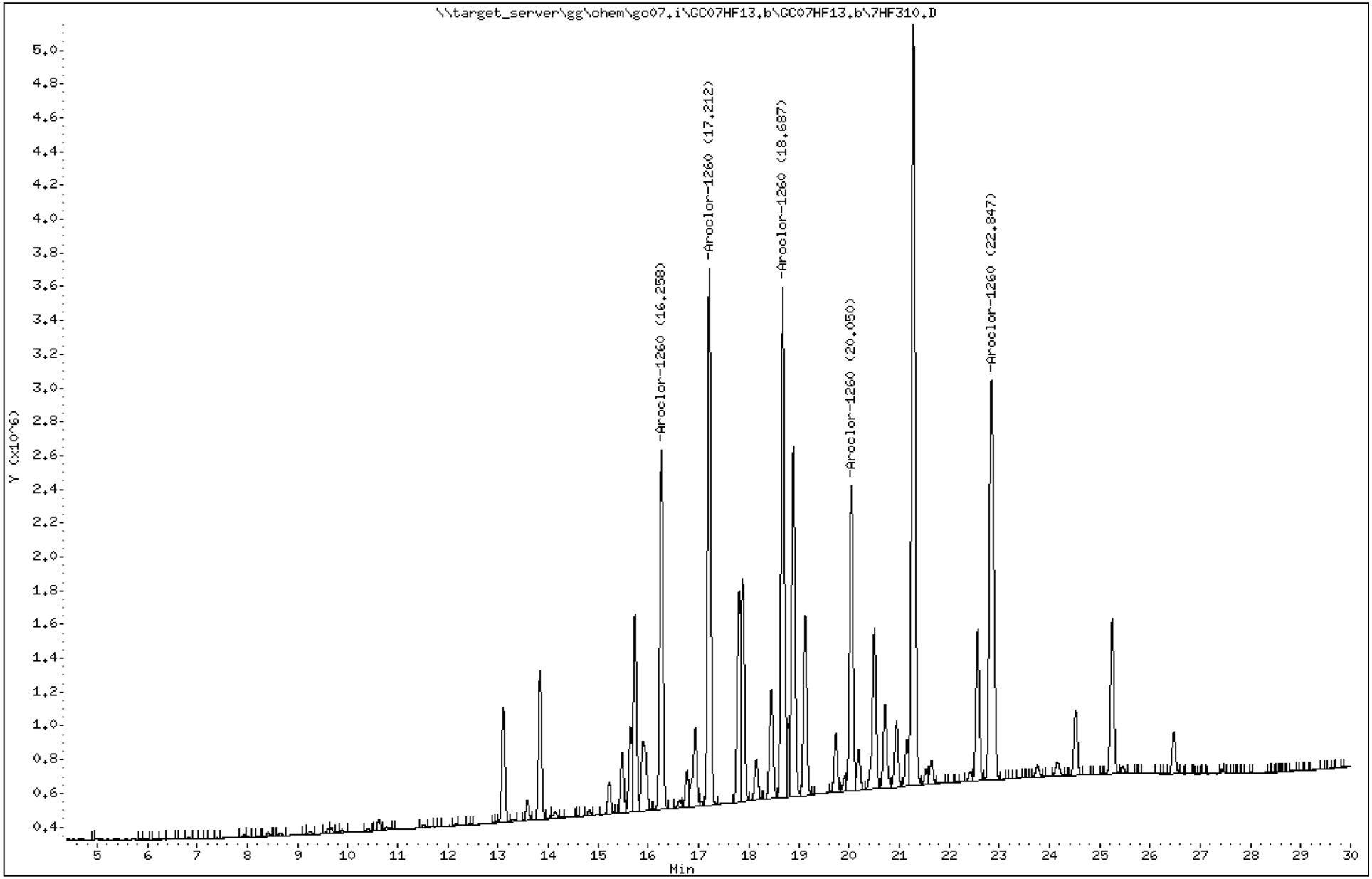
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
9 Aroclor-1260					CAS #: 11096-82-5			
16.258	16.247	0.011	2121562	1.00000	1.06	80.00- 120.00	100.00	
17.211	17.199	0.012	3180612	1.00000	1.04	94.69- 142.03	149.92	
18.686	18.674	0.012	3022348	1.00000	1.17	89.28- 133.92	142.46	
20.049	20.035	0.014	1808610	1.00000	0.943	72.48- 108.72	85.25	
22.846	22.832	0.014	2363114	1.00000	0.950	0.00- 0.00	111.39	
		Average of Peak Amounts =			1.03260			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF310.D
Date : 13-JUN-2014 19:10
Client ID:
Sample Info: WG144776-14,IRSITE22-1

Instrument: gc07.i

Operator: CB
Column diameter: 0.53

Column phase: ZB-MultiResidue-2



Katahdin Analytical Services 8000072

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF303.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

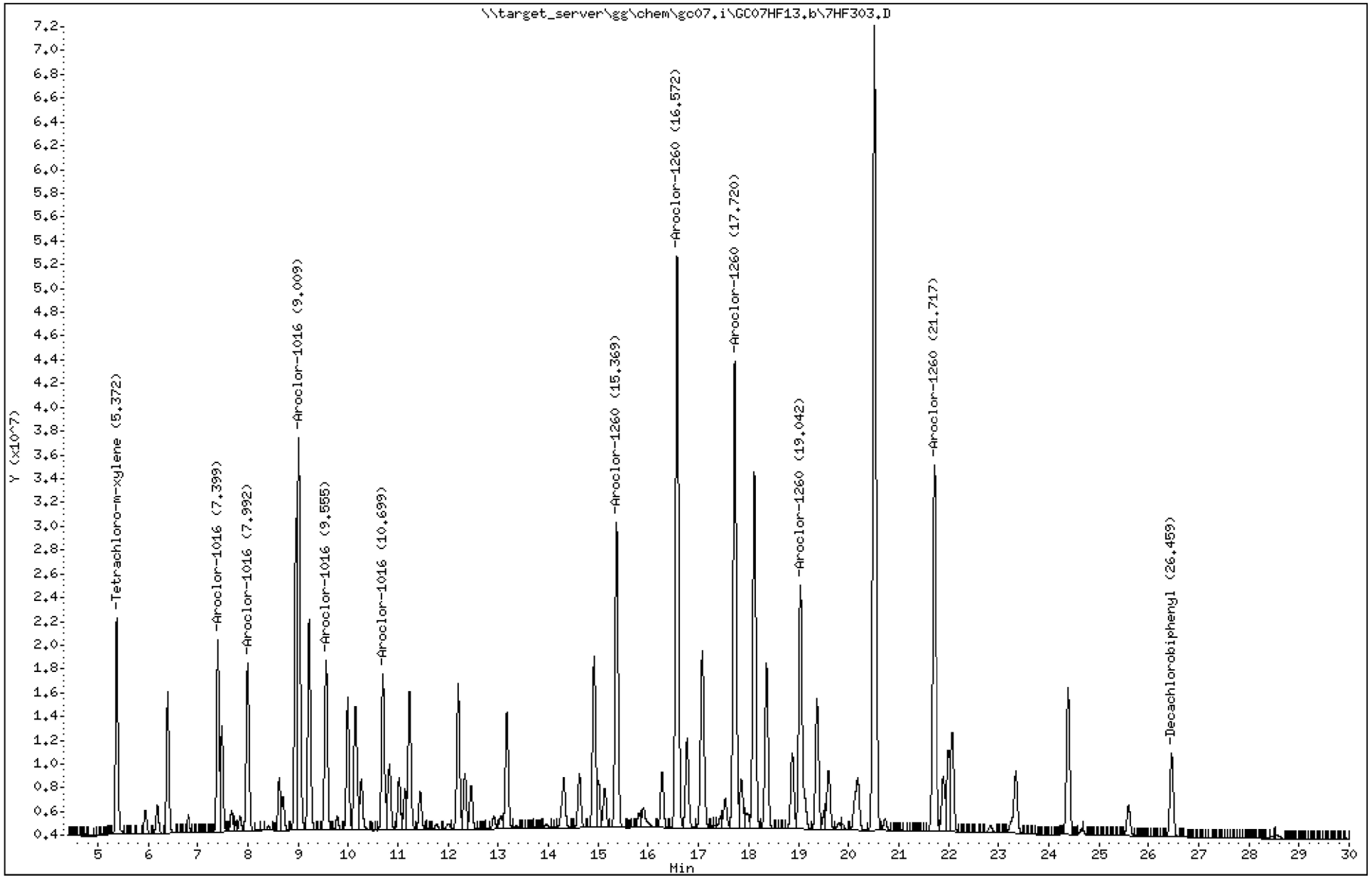
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Inj Date : 13-JUN-2014 14:57
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-1
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.372	5.353	0.019	18203414	0.02000	0.0182				
6 Aroclor-1016						CAS #: 12674-11-2			
7.398	7.380	0.018	16137928	1.00000	0.931	80.00-	120.00	100.00	
7.992	7.972	0.020	14108198	1.00000	0.930	158.77-	238.15	87.42	
9.008	8.987	0.021	33034389	1.00000	0.908	296.98-	445.46	204.70	
9.555	9.533	0.022	14239155	1.00000	0.912	114.78-	172.16	88.23	
10.698	10.677	0.021	13145794	1.00000	0.916	112.32-	168.48	81.46	
Average of Peak Amounts =					0.91940				
9 Aroclor-1260						CAS #: 11096-82-5			
15.368	15.343	0.025	25613299	1.00000	0.755	80.00-	120.00	100.00	
16.572	16.550	0.022	48087138	1.00000	0.800	94.69-	142.03	187.74	
17.720	17.693	0.027	39217017	1.00000	0.784	89.28-	133.92	153.11	
19.042	19.018	0.024	20509507	1.00000	0.758	72.48-	108.72	80.07	
21.717	21.692	0.025	30746877	1.00000	0.746	0.00-	0.00	120.04	
Average of Peak Amounts =					0.76860				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
26.458	26.435	0.023	7040317	0.02000	0.0186				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF303.D
Date : 13-JUN-2014 14:57
Client ID:
Instrument: gc07.i
Sample Info: WG144776-1
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000074

Data File: 7HF303.D
Report Date: 23-Jun-2014 10:26

Katahdin Analytical Services

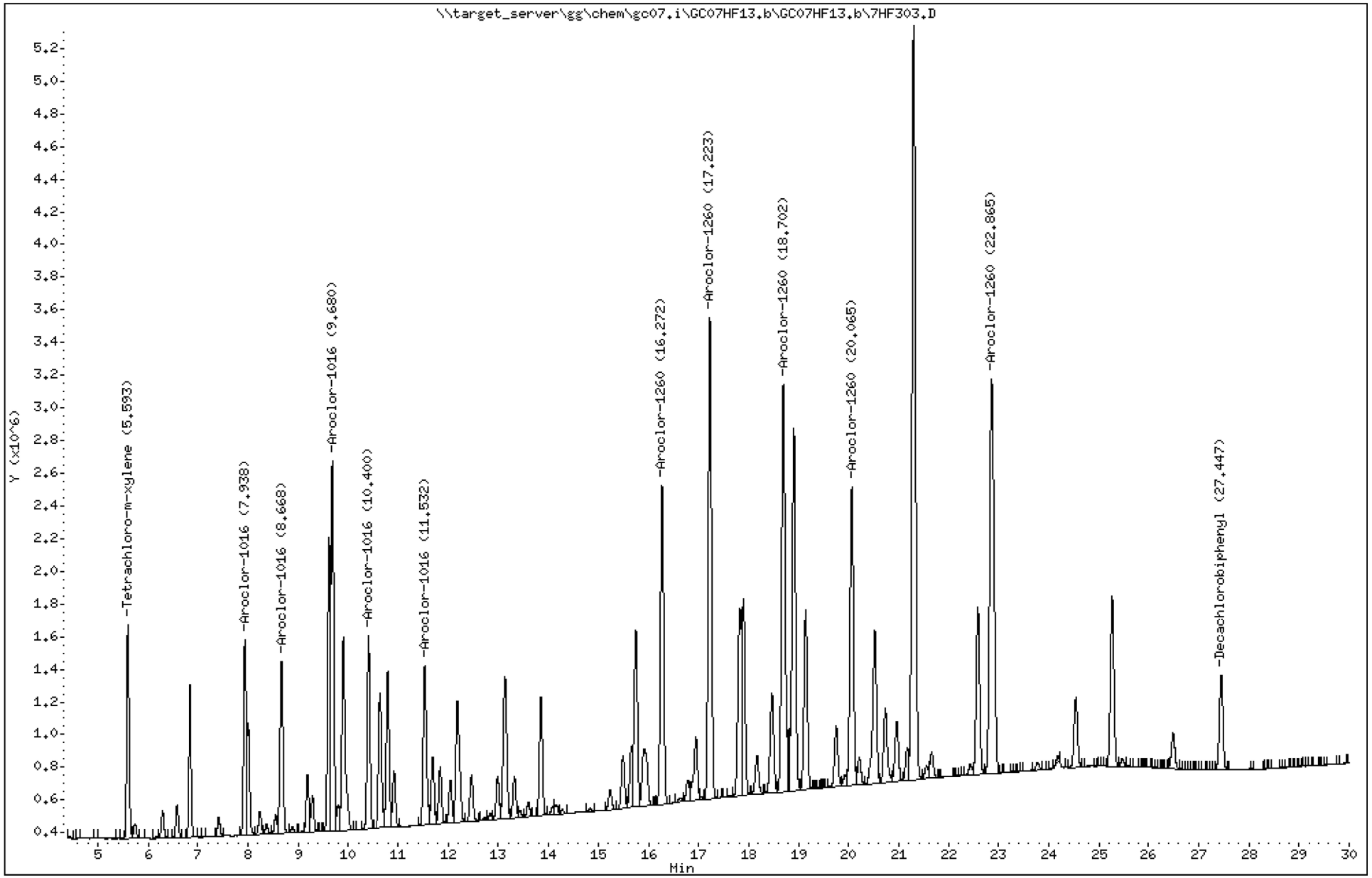
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Inj Date : 13-JUN-2014 14:57
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-2
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 13-JUN-2014 14:57 Cal File: 7HF303.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.593	5.585	0.008	1309596	0.02000	0.0200			
5 Aroclor-1016						CAS #: 12674-11-2		
7.938	7.922	0.016	1196442	1.00000	1.00	80.00- 120.00	100.00	
8.668	8.650	0.018	1055150	1.00000	1.00	158.77- 238.15	88.19	
9.680	9.664	0.016	2259616	1.00000	1.00	296.98- 445.46	188.86	
10.400	10.382	0.018	1181839	1.00000	1.00	114.78- 172.17	98.78	
11.531	11.512	0.019	978159	1.00000	1.00	112.32- 168.48	81.76	
Average of Peak Amounts =					1.00000			
9 Aroclor-1260						CAS #: 11096-82-5		
16.271	16.247	0.024	1947642	1.00000	1.00	80.00- 120.00	100.00	
17.223	17.199	0.024	2941258	1.00000	1.00	94.69- 142.03	151.02	
18.701	18.674	0.027	2488841	1.00000	1.00	89.28- 133.92	127.79	
20.065	20.035	0.030	1830759	1.00000	1.00	72.48- 108.72	94.00	
22.865	22.832	0.033	2411775	1.00000	1.00	0.00- 0.00	123.83	
Average of Peak Amounts =					1.00000			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
27.446	27.415	0.031	577791	0.02000	0.0200			

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Date : 13-JUN-2014 14:57
Client ID:
Instrument: gc07.i
Sample Info: WG144776-2
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000076

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF304.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

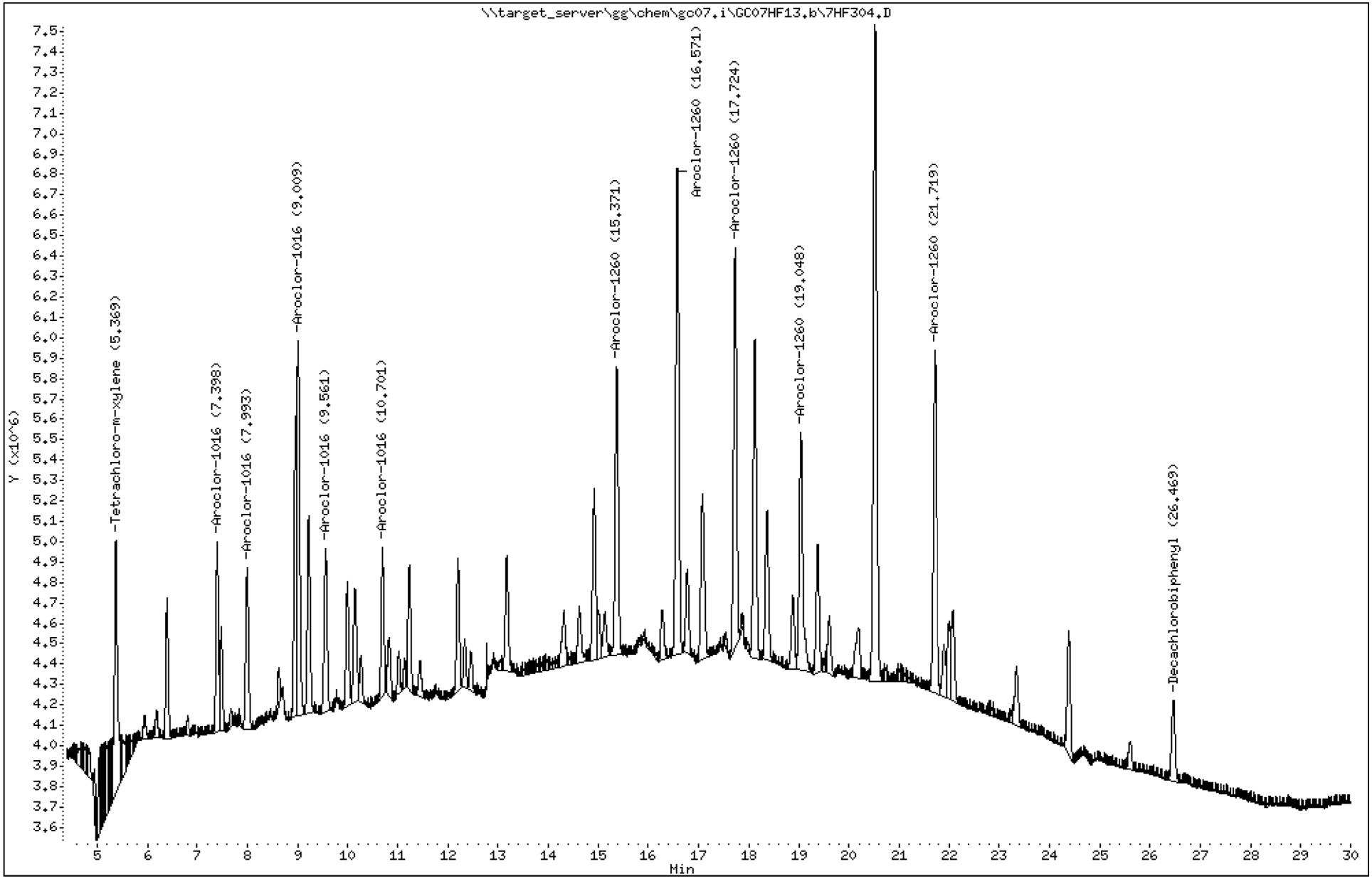
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Inj Date : 13-JUN-2014 15:34
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-3
Misc Info :
Comment :
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Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.369	5.353	0.016	1242477	0.00100	0.000822				
6 Aroclor-1016						CAS #: 12674-11-2			
7.397	7.380	0.017	930479	0.05000	0.0433	80.00-	120.00	100.00	
7.992	7.972	0.020	788979	0.05000	0.0543	158.77-	238.15	84.79	
9.009	8.987	0.022	1837299	0.05000	0.0525	296.98-	445.46	197.46	
9.560	9.533	0.027	795723	0.05000	0.0338	114.78-	172.16	85.52	
10.700	10.677	0.023	729998	0.05000	0.0329	112.32-	168.48	78.45	
Average of Peak Amounts =					0.04336				
9 Aroclor-1260						CAS #: 11096-82-5			
15.370	15.343	0.027	1412559	0.05000	0.0416	80.00-	120.00	100.00	
16.570	16.550	0.020	2381439	0.05000	0.0396	94.69-	142.03	168.59	
17.724	17.693	0.031	1956449	0.05000	0.0391	89.28-	133.92	138.50	
19.047	19.018	0.029	1166922	0.05000	0.0431	72.48-	108.72	82.61	
21.719	21.692	0.027	1676697	0.05000	0.0407	0.00-	0.00	118.70	
Average of Peak Amounts =					0.04082				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
26.469	26.435	0.034	391984	0.00100	0.000735				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF304.D
Date : 13-JUN-2014 15:34
Client ID:
Instrument: gc07.i
Sample Info: WG144776-3
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000078

Data File: 7HF304.D
Report Date: 23-Jun-2014 10:26

Katahdin Analytical Services

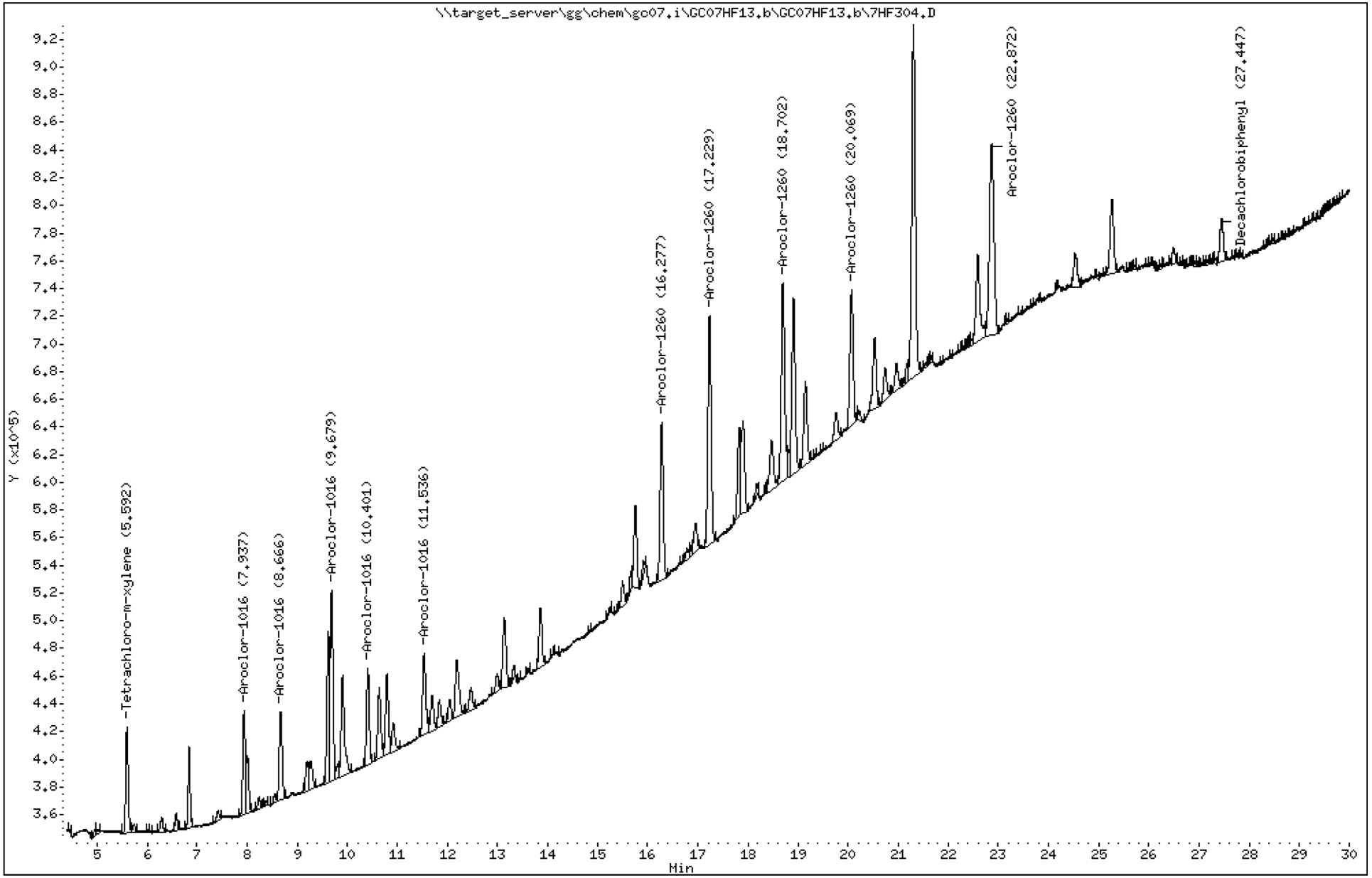
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Inj Date : 13-JUN-2014 15:34
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-4
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 13-JUN-2014 15:34 Cal File: 7HF304.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.592	5.585	0.007	76245	0.00100	0.00100				
5 Aroclor-1016						CAS #: 12674-11-2			
7.937	7.922	0.015	74899	0.05000	0.0500	80.00-	120.00	100.00	
8.665	8.650	0.015	63324	0.05000	0.0500	158.77-	238.15	84.55	
9.678	9.664	0.014	137602	0.05000	0.0500	296.98-	445.46	183.72	
10.400	10.382	0.018	69558	0.05000	0.0500	114.78-	172.17	92.87	
11.535	11.512	0.023	58338	0.05000	0.0500	112.32-	168.48	77.89	
Average of Peak Amounts =					0.05000				
9 Aroclor-1260						CAS #: 11096-82-5			
16.277	16.247	0.030	113383	0.05000	0.0500	80.00-	120.00	100.00	
17.228	17.199	0.029	165953	0.05000	0.0500	94.69-	142.03	146.36	
18.702	18.674	0.028	143752	0.05000	0.0500	89.28-	133.92	126.78	
20.068	20.035	0.033	97424	0.05000	0.0500	72.48-	108.72	85.92	
22.872	22.832	0.040	137848	0.05000	0.0500	0.00-	0.00	121.58	
Average of Peak Amounts =					0.05000				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
27.447	27.415	0.032	30828	0.00100	0.00100				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF304.D
Date : 13-JUN-2014 15:34
Client ID:
Instrument: gc07.i
Sample Info: WG144776-4
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000080

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF305.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF305.D
Lab Smp Id: WG144776-5
Inj Date : 13-JUN-2014 16:10
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-5
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

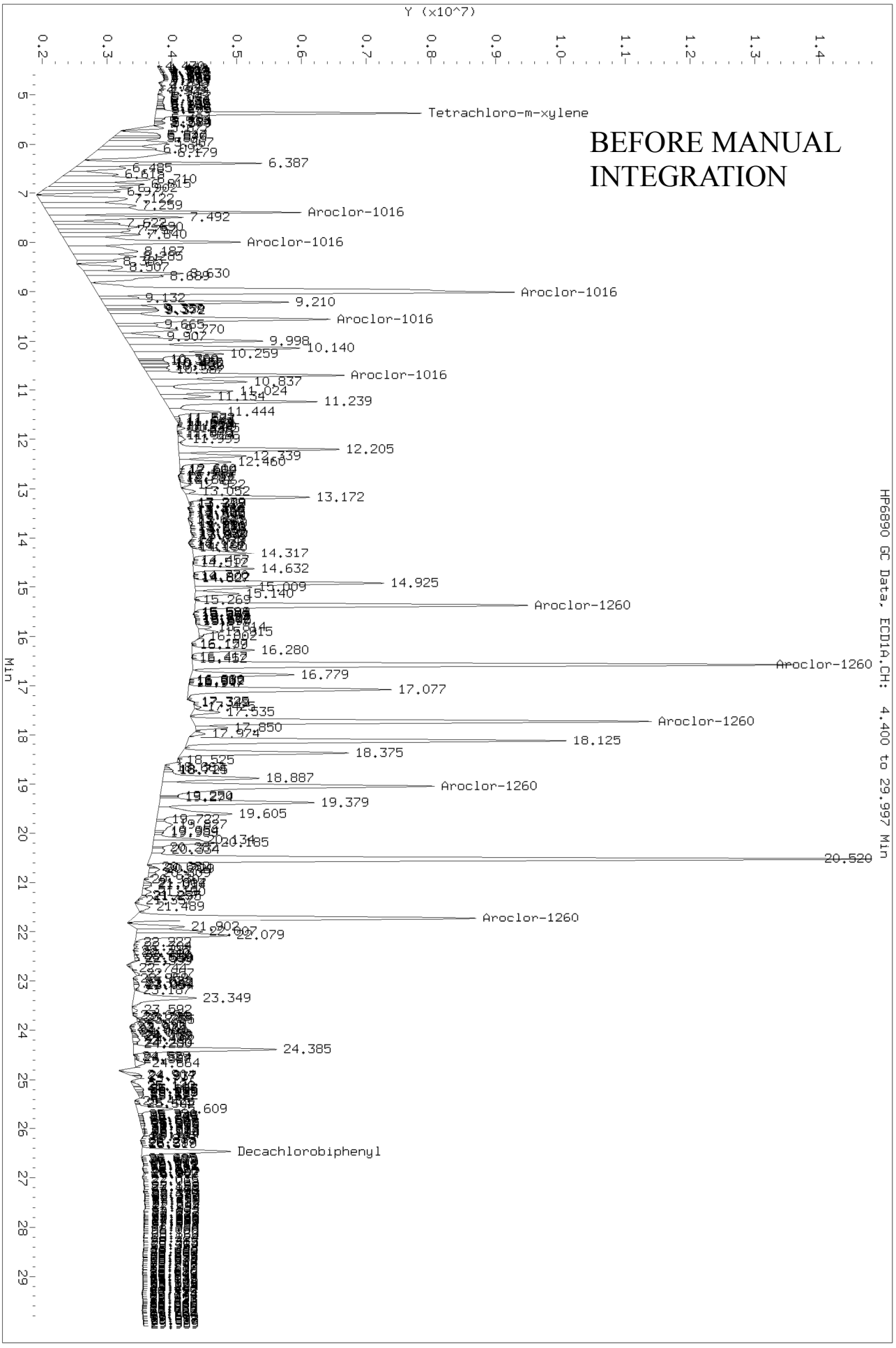
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO		REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8				
5.373	5.353	0.020	3962200	0.00200	0.00356			(M)	
6 Aroclor-1016					CAS #: 12674-11-2				
7.393	7.380	0.013	2734509	0.10000	0.146	80.00- 120.00	100.00	(M)	
7.995	7.972	0.023	2058336	0.10000	0.136	158.77- 238.15	75.27		
9.010	8.987	0.023	5993045	0.10000	0.168	296.98- 445.46	219.16		
9.558	9.533	0.025	2959985	0.10000	0.176	114.78- 172.16	108.25		
10.703	10.677	0.026	2774942	0.10000	0.179	112.32- 168.48	101.48		
Average of Peak Amounts =					0.16100				
9 Aroclor-1260					CAS #: 11096-82-5				
15.373	15.343	0.030	5131212	0.10000	0.151	80.00- 120.00	100.00	(M)	
16.575	16.550	0.025	9285361	0.10000	0.154	94.69- 142.03	180.96		
17.723	17.693	0.030	7077805	0.10000	0.142	89.28- 133.92	137.94		
19.045	19.018	0.027	3954775	0.10000	0.146	72.48- 108.72	77.07		
21.720	21.692	0.028	5295796	0.10000	0.128	0.00- 0.00	103.21		
Average of Peak Amounts =					0.14420				
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3				
26.466	26.435	0.031	1369792	0.00200	0.00338				



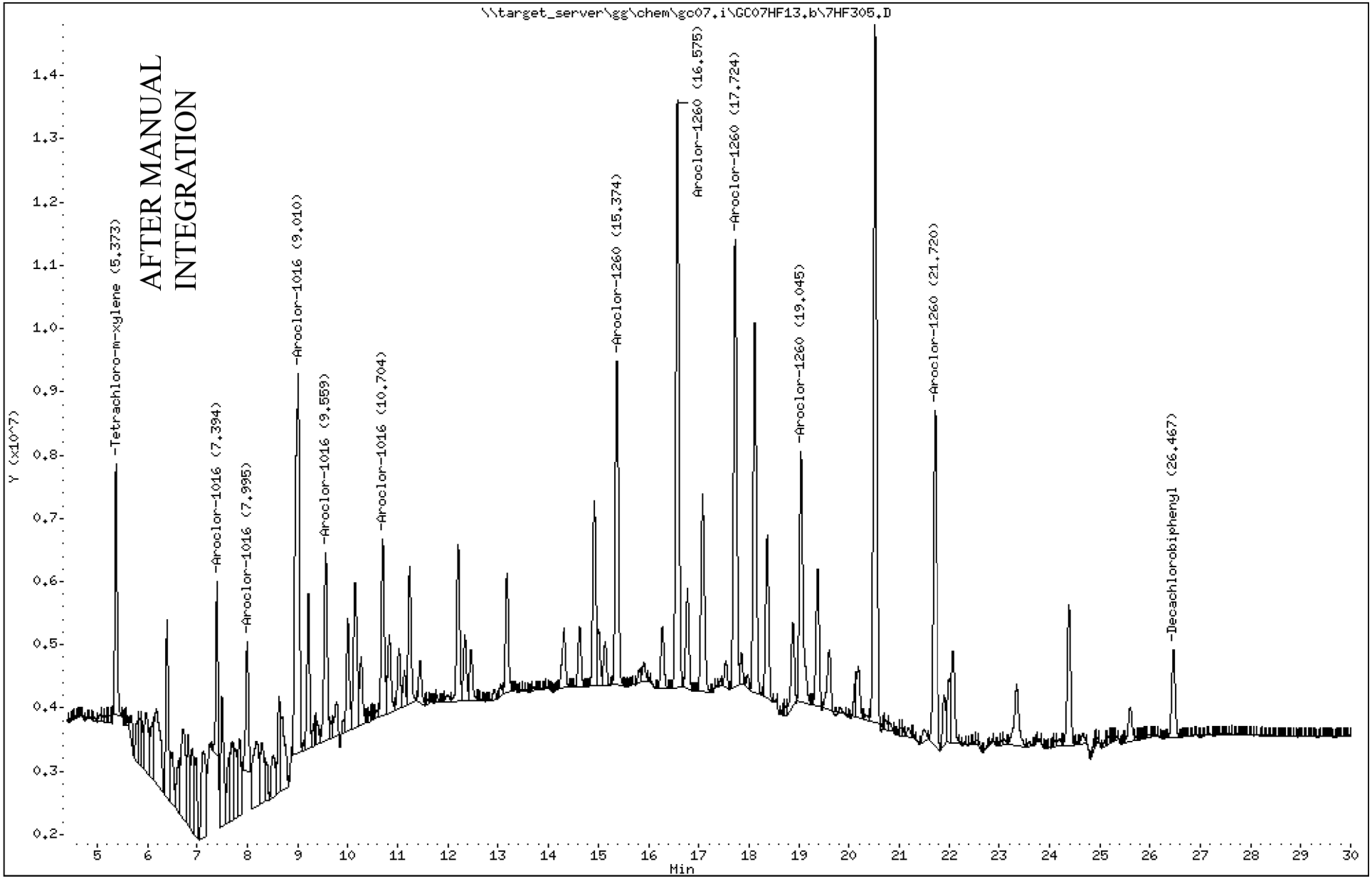
11:20 am, Jun 23, 2014

M5



BEFORE MANUAL INTEGRATION

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Date : 13-JUN-2014 16:10
Client ID:
Instrument: gc07.i
Sample Info: WG144776-5
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000083

Data File: 7HF305.D
Report Date: 23-Jun-2014 10:26

Katahdin Analytical Services

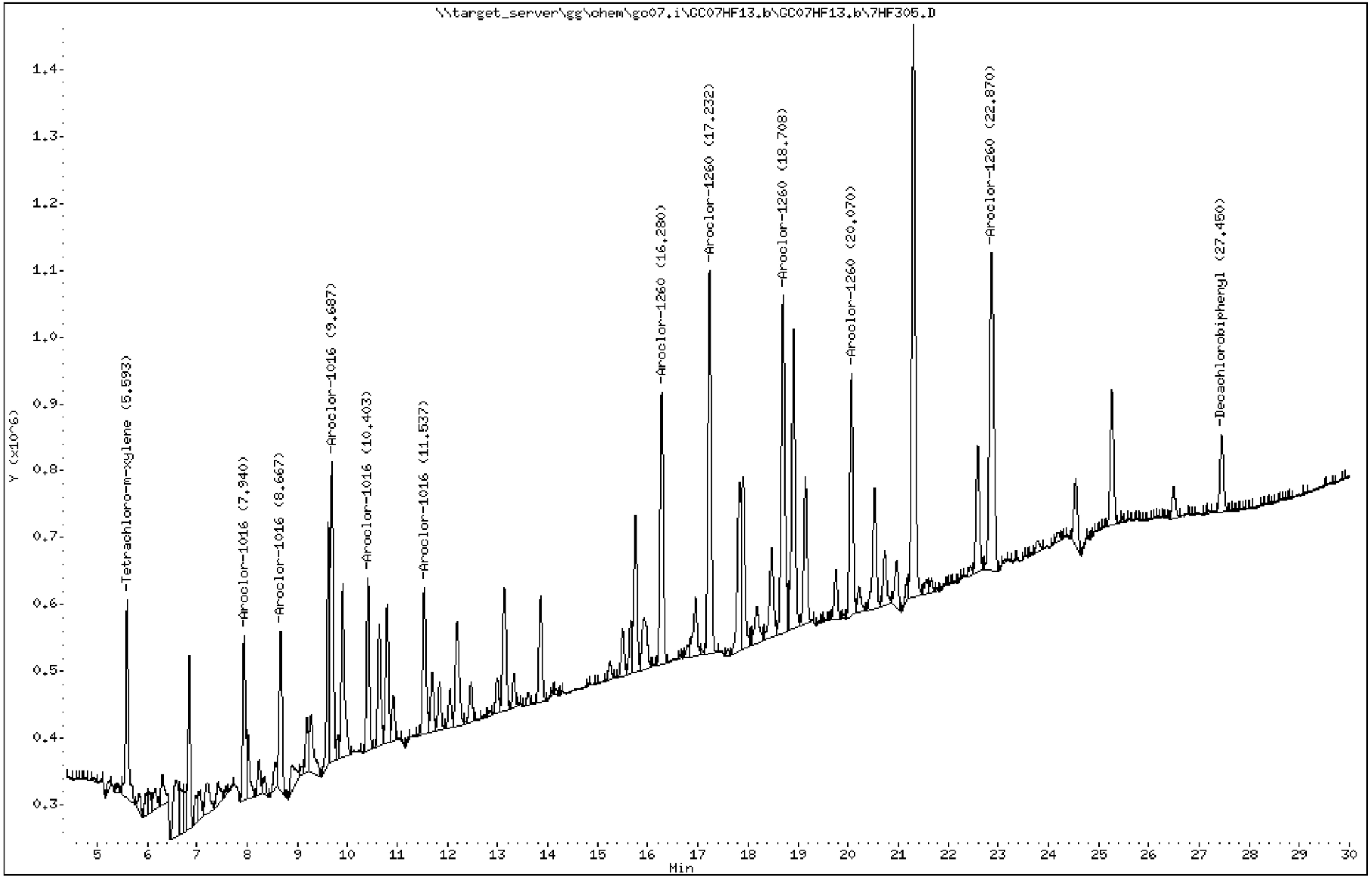
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Inj Date : 13-JUN-2014 16:10
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-6
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 13-JUN-2014 16:10 Cal File: 7HF305.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.593	5.585	0.008	296591	0.00200	0.00200			
5 Aroclor-1016						CAS #: 12674-11-2		
7.939	7.922	0.017	246244	0.10000	0.100	80.00- 120.00	100.00	
8.666	8.650	0.016	237391	0.10000	0.100	158.77- 238.15	96.40	
9.686	9.664	0.022	446674	0.10000	0.100	296.98- 445.46	181.39	
10.403	10.382	0.021	258274	0.10000	0.100	114.78- 172.17	104.89	
11.536	11.512	0.024	217907	0.10000	0.100	112.32- 168.48	88.49	
Average of Peak Amounts =				0.10000				
9 Aroclor-1260						CAS #: 11096-82-5		
16.279	16.247	0.032	406375	0.10000	0.100	80.00- 120.00	100.00	
17.231	17.199	0.032	572893	0.10000	0.100	94.69- 142.03	140.98	
18.708	18.674	0.034	504579	0.10000	0.100	89.28- 133.92	124.17	
20.069	20.035	0.034	362014	0.10000	0.100	72.48- 108.72	89.08	
22.869	22.832	0.037	474651	0.10000	0.100	0.00- 0.00	116.80	
Average of Peak Amounts =				0.10000				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
27.449	27.415	0.034	114003	0.00200	0.00200			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF305.D
Date : 13-JUN-2014 16:10
Client ID:
Instrument: gc07.i
Sample Info: WG144776-6
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000085

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF306.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

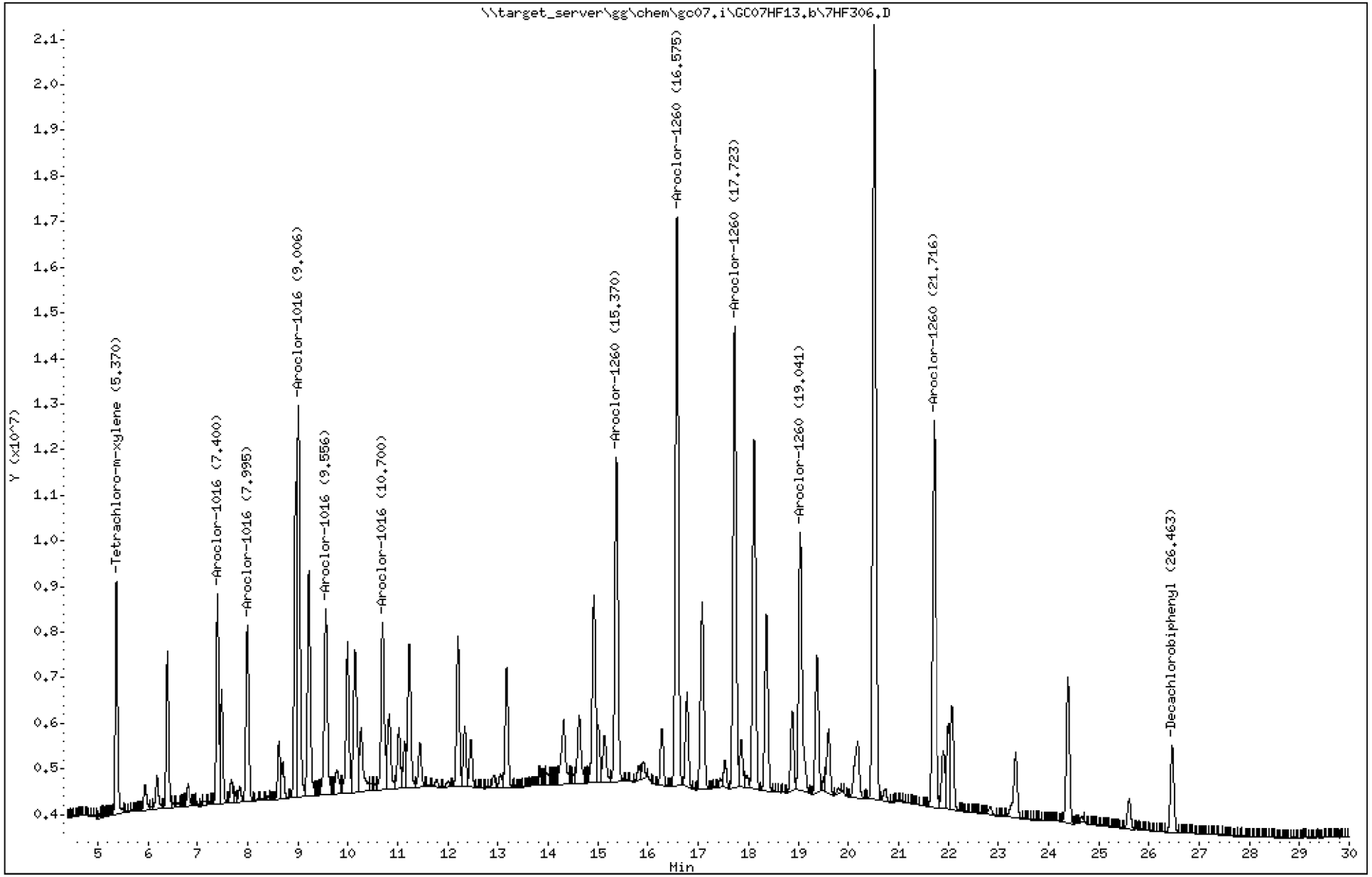
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Inj Date : 13-JUN-2014 16:46
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-7
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.369	5.353	0.016	5085750	0.00500	0.00470				
6 Aroclor-1016						CAS #: 12674-11-2			
7.399	7.380	0.019	4593218	0.25000	0.252	80.00-	120.00	100.00	
7.994	7.972	0.022	3847350	0.25000	0.251	158.77-	238.15	83.76	
9.006	8.987	0.019	8582495	0.25000	0.239	296.98-	445.46	186.85	
9.556	9.533	0.023	4064069	0.25000	0.248	114.78-	172.16	88.48	
10.699	10.677	0.022	3664847	0.25000	0.243	112.32-	168.48	79.79	
Average of Peak Amounts =					0.24660				
9 Aroclor-1260						CAS #: 11096-82-5			
15.369	15.343	0.026	7095376	0.25000	0.209	80.00-	120.00	100.00	
16.574	16.550	0.024	12476143	0.25000	0.207	94.69-	142.03	175.83	
17.722	17.693	0.029	10119746	0.25000	0.202	89.28-	133.92	142.62	
19.041	19.018	0.023	5663268	0.25000	0.209	72.48-	108.72	79.82	
21.716	21.692	0.024	8461122	0.25000	0.205	0.00-	0.00	119.25	
Average of Peak Amounts =					0.20640				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
26.462	26.435	0.027	1901411	0.00500	0.00482				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF306.D
Date : 13-JUN-2014 16:46
Client ID:
Instrument: gc07.i
Sample Info: WG144776-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000087

Data File: 7HF306.D
Report Date: 23-Jun-2014 10:26

Katahdin Analytical Services

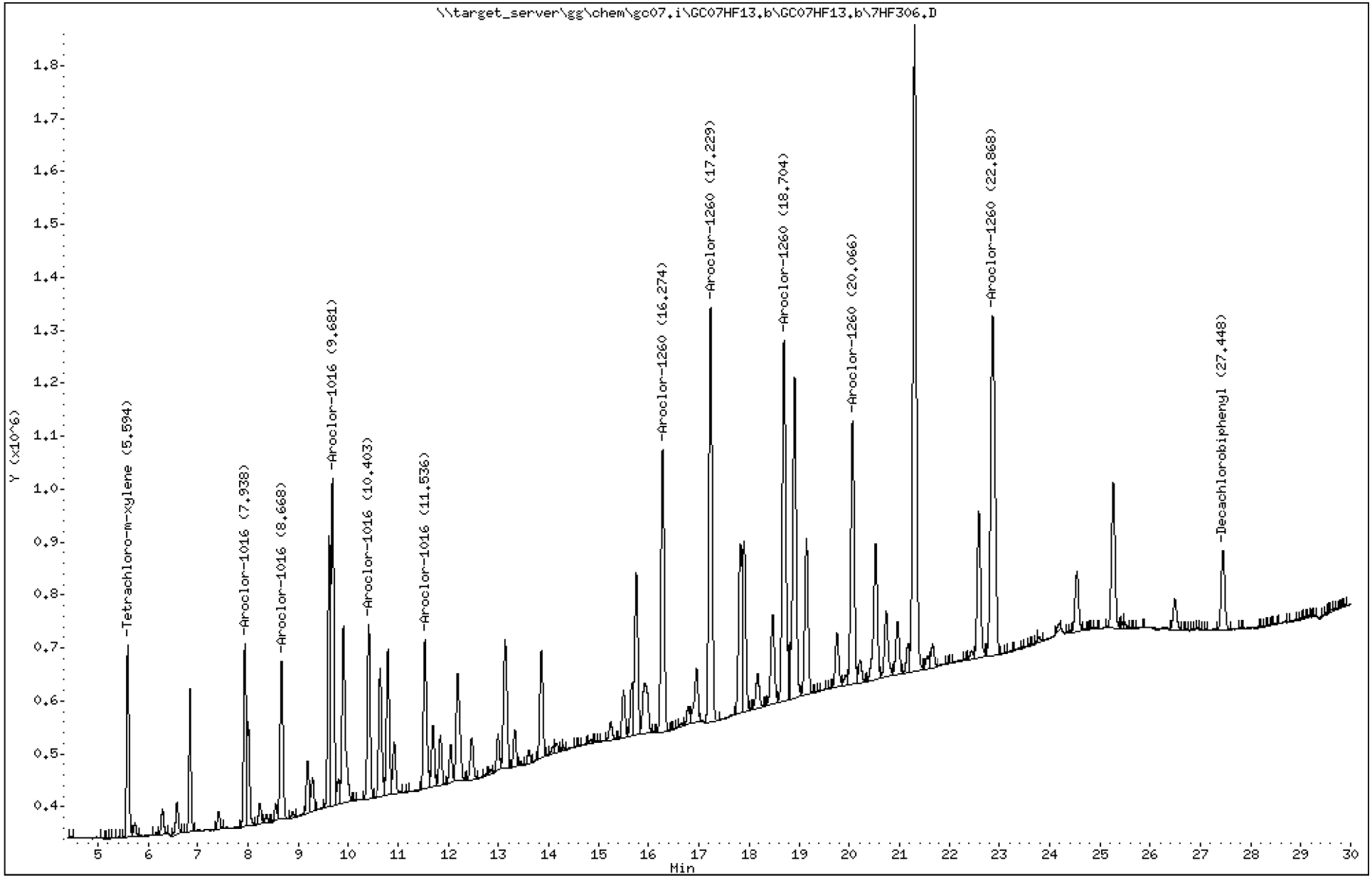
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Operator : CB Inst ID: gc07.i
Smp Info : WG144776-8
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 13-JUN-2014 16:46 Cal File: 7HF306.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.594	5.585	0.009	363876	0.00500	0.00402				
5 Aroclor-1016						CAS #: 12674-11-2			
7.937	7.922	0.015	345281	0.25000	0.217	80.00-	120.00	100.00	
8.667	8.650	0.017	296931	0.25000	0.204	158.77-	238.15	86.00	
9.680	9.664	0.016	617889	0.25000	0.215	296.98-	445.46	178.95	
10.402	10.382	0.020	328862	0.25000	0.206	114.78-	172.17	95.24	
11.535	11.512	0.023	282151	0.25000	0.208	112.32-	168.48	81.72	
Average of Peak Amounts =					0.21000				
9 Aroclor-1260						CAS #: 11096-82-5			
16.274	16.247	0.027	530846	0.25000	0.208	80.00-	120.00	100.00	
17.229	17.199	0.030	782100	0.25000	0.213	94.69-	142.03	147.33	
18.704	18.674	0.030	680849	0.25000	0.212	89.28-	133.92	128.26	
20.065	20.035	0.030	496521	0.25000	0.213	72.48-	108.72	93.53	
22.867	22.832	0.035	643085	0.25000	0.213	0.00-	0.00	121.14	
Average of Peak Amounts =					0.21180				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
27.447	27.415	0.032	149909	0.00500	0.00417				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF306.D
Date : 13-JUN-2014 16:46
Client ID:
Instrument: gc07.i
Sample Info: WG144776-8
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000089

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF307.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

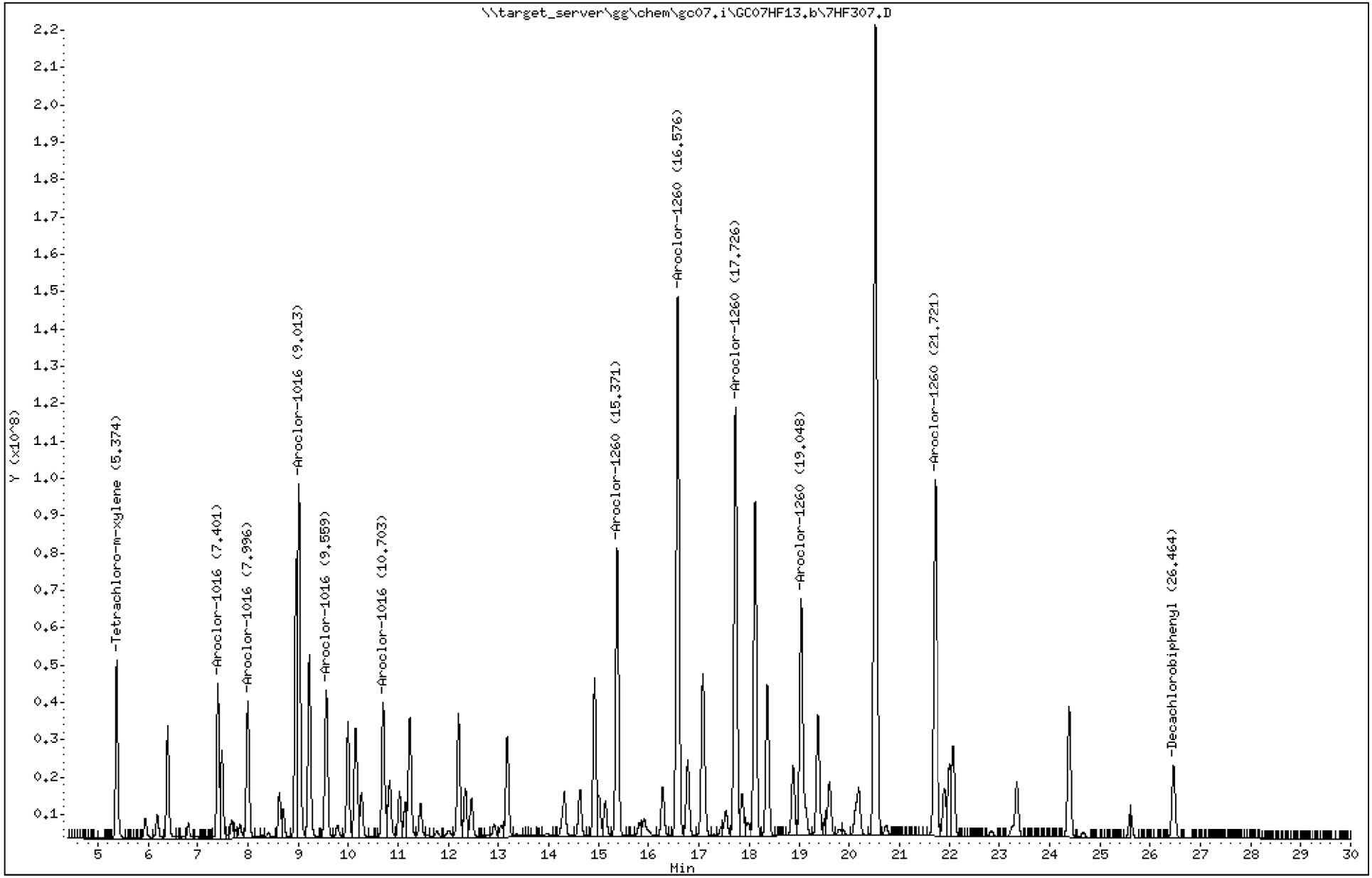
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Operator : CB Inst ID: gc07.i
Smp Info : WG144776-9
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Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.374	5.353	0.021	47933384	0.05000	0.0507				
6 Aroclor-1016						CAS #: 12674-11-2			
7.401	7.380	0.021	41479216	2.50000	2.53	80.00-	120.00	100.00	
7.996	7.972	0.024	36746662	2.50000	2.53	158.77-	238.15	88.59	
9.012	8.987	0.025	94973874	2.50000	2.53	296.98-	445.46	228.97	
9.559	9.533	0.026	39522689	2.50000	2.53	114.78-	172.16	95.28	
10.702	10.677	0.025	36239029	2.50000	2.53	112.32-	168.48	87.37	
Average of Peak Amounts =					2.53000				
9 Aroclor-1260						CAS #: 11096-82-5			
15.371	15.343	0.028	77187157	2.50000	2.28	80.00-	120.00	100.00	
16.576	16.550	0.026	144610833	2.50000	2.40	94.69-	142.03	187.35	
17.726	17.693	0.033	114934920	2.50000	2.30	89.28-	133.92	148.90	
19.047	19.018	0.029	63563035	2.50000	2.35	72.48-	108.72	82.35	
21.721	21.692	0.029	95194785	2.50000	2.31	0.00-	0.00	123.33	
Average of Peak Amounts =					2.32800				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
26.464	26.435	0.029	19392092	0.05000	0.0505				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF307.D
Date : 13-JUN-2014 17:22
Client ID:
Instrument: gc07.i
Sample Info: WG144776-9
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000091

Data File: 7HF307.D
Report Date: 23-Jun-2014 10:26

Katahdin Analytical Services

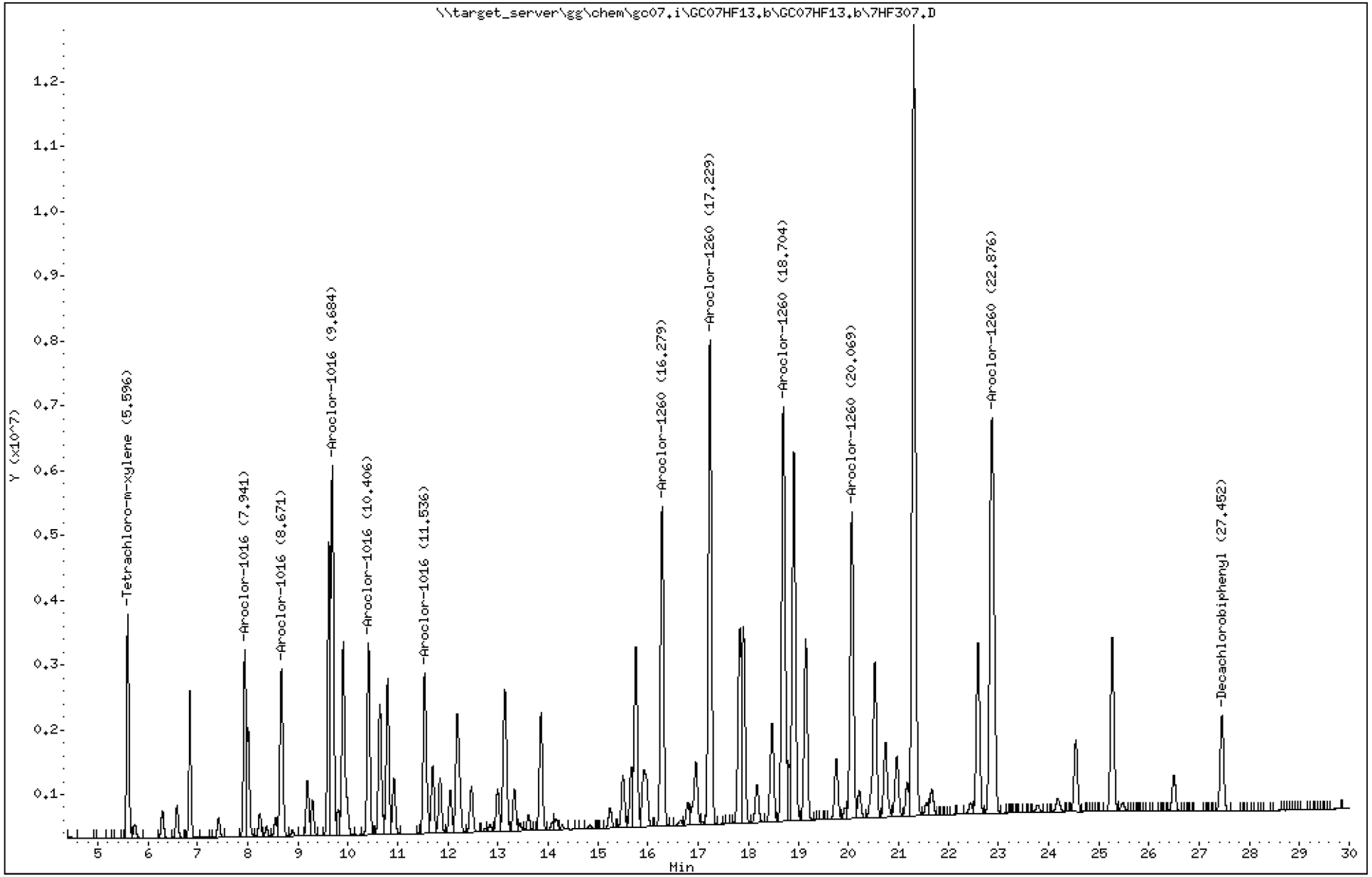
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Lab Smp Id: WG144776-10
Inj Date : 13-JUN-2014 17:22
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-10
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 13-JUN-2014 17:22 Cal File: 7HF307.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.595	5.585	0.010	3457092	0.05000	0.0500				
5 Aroclor-1016						CAS #: 12674-11-2			
7.940	7.922	0.018	2885404	2.50000	2.50	80.00-	120.00	100.00	
8.670	8.650	0.020	2581392	2.50000	2.50	158.77-	238.15	89.46	
9.684	9.664	0.020	5713712	2.50000	2.50	296.98-	445.46	198.02	
10.405	10.382	0.023	2948187	2.50000	2.50	114.78-	172.17	102.18	
11.535	11.512	0.023	2484160	2.50000	2.50	112.32-	168.48	86.09	
Average of Peak Amounts =					2.50000				
9 Aroclor-1260						CAS #: 11096-82-5			
16.279	16.247	0.032	4928743	2.50000	2.50	80.00-	120.00	100.00	
17.229	17.199	0.030	7465908	2.50000	2.50	94.69-	142.03	151.48	
18.704	18.674	0.030	6401234	2.50000	2.50	89.28-	133.92	129.88	
20.069	20.035	0.034	4725478	2.50000	2.50	72.48-	108.72	95.88	
22.875	22.832	0.043	6103970	2.50000	2.50	0.00-	0.00	123.84	
Average of Peak Amounts =					2.50000				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
27.452	27.415	0.037	1475779	0.05000	0.0500				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF307.D
Date : 13-JUN-2014 17:22
Client ID:
Instrument: gc07.i
Sample Info: WG144776-10
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000093

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF308.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

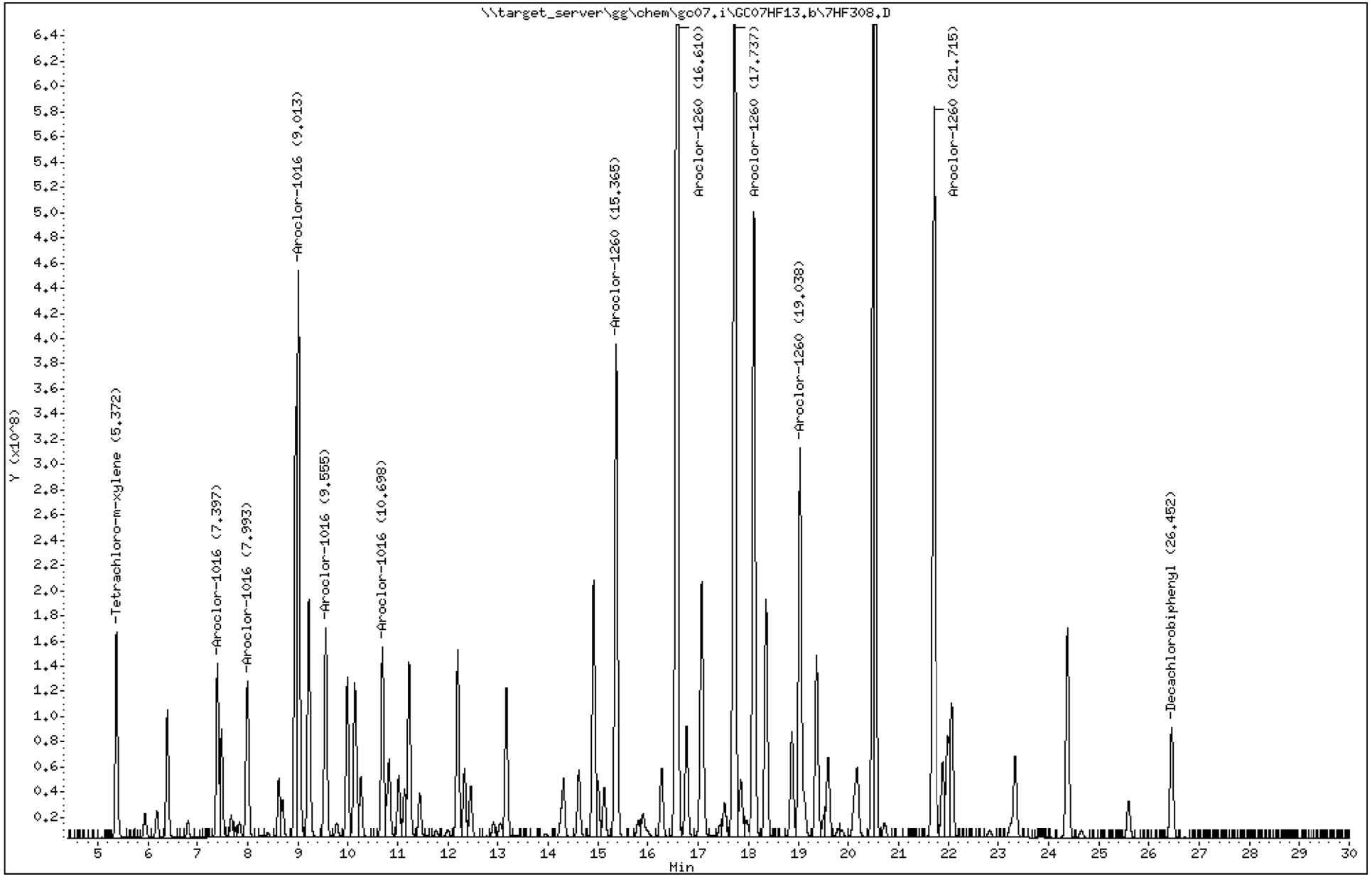
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Operator : CB Inst ID: gc07.i
Smp Info : WG144776-11
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.371	5.353	0.018	163349666	0.20000	0.200				
6 Aroclor-1016						CAS #: 12674-11-2			
7.396	7.380	0.016	138073513	10.0000	10.0	80.00-	120.00	100.00	
7.993	7.972	0.021	123777150	10.0000	10.0	158.77-	238.15	89.65	
9.013	8.987	0.026	449880141	10.0000	10.0	296.98-	445.46	325.83	
9.554	9.533	0.021	165367517	10.0000	10.0	114.78-	172.16	119.77	
10.698	10.677	0.021	151182507	10.0000	10.0	112.32-	168.48	109.49	
Average of Peak Amounts =					10.0000				
9 Aroclor-1260						CAS #: 11096-82-5			
15.364	15.343	0.021	390637421	10.0000	11.5	80.00-	120.00	100.00(A)	
16.609	16.550	0.059	644513975	10.0000	10.7	94.69-	142.03	164.99	
17.736	17.693	0.043	644434781	10.0000	12.9	89.28-	133.92	164.97	
19.038	19.018	0.020	308217161	10.0000	11.4	72.48-	108.72	78.90	
21.714	21.692	0.022	580292532	10.0000	14.1	0.00-	0.00	148.55	
Average of Peak Amounts =					12.1200				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
26.451	26.435	0.016	87373280	0.20000	0.200				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF308.D
Date : 13-JUN-2014 17:58
Client ID:
Instrument: gc07.i
Sample Info: WG144776-11
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000095

Data File: 7HF308.D
Report Date: 23-Jun-2014 10:26

Katahdin Analytical Services

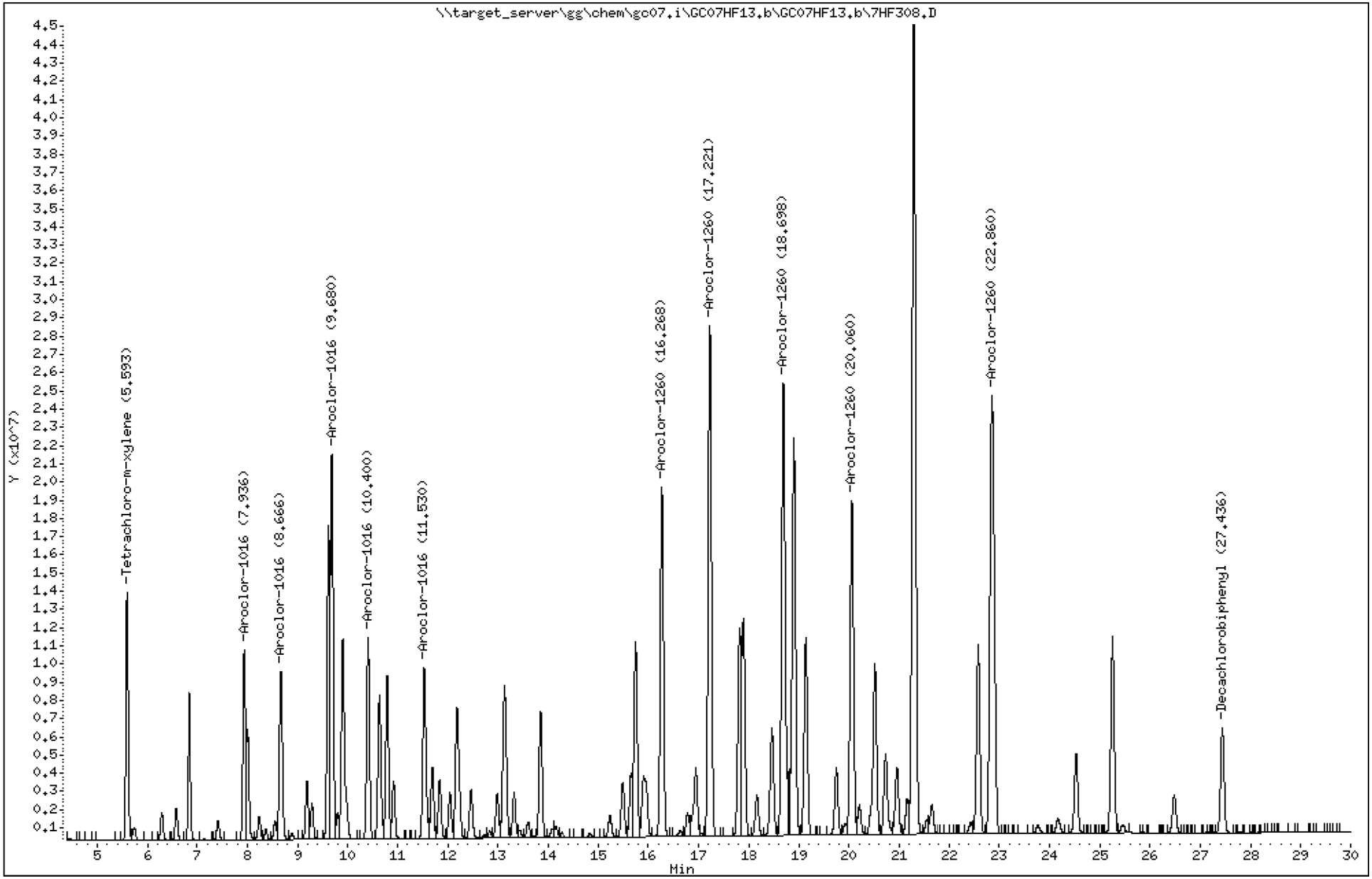
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Inj Date : 13-JUN-2014 17:58
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-12
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 13-JUN-2014 17:58 Cal File: 7HF308.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.592	5.585	0.007	13629176	0.20000	0.200				
5 Aroclor-1016						CAS #: 12674-11-2			
7.936	7.922	0.014	10390050	10.0000	10.0	80.00-	120.00	100.00	
8.666	8.650	0.016	9200189	10.0000	10.0	158.77-	238.15	88.55	
9.679	9.664	0.015	21111093	10.0000	10.0	296.98-	445.46	203.19	
10.399	10.382	0.017	11045171	10.0000	10.0	114.78-	172.17	106.31	
11.529	11.512	0.017	9359581	10.0000	10.0	112.32-	168.48	90.08	
		Average of Peak Amounts =			10.0000				
9 Aroclor-1260						CAS #: 11096-82-5			
16.267	16.247	0.020	19223260	10.0000	10.0	80.00-	120.00	100.00	
17.221	17.199	0.022	28030050	10.0000	10.0	94.69-	142.03	145.81	
18.697	18.674	0.023	24828221	10.0000	10.0	89.28-	133.92	129.16	
20.059	20.035	0.024	18295502	10.0000	10.0	72.48-	108.72	95.17	
22.859	22.832	0.027	24034683	10.0000	10.0	0.00-	0.00	125.03	
		Average of Peak Amounts =			10.0000				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
27.436	27.415	0.021	5739270	0.20000	0.200				

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Date : 13-JUN-2014 17:58
Client ID:
Instrument: gc07.i
Sample Info: WG144776-12
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000097

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF311.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

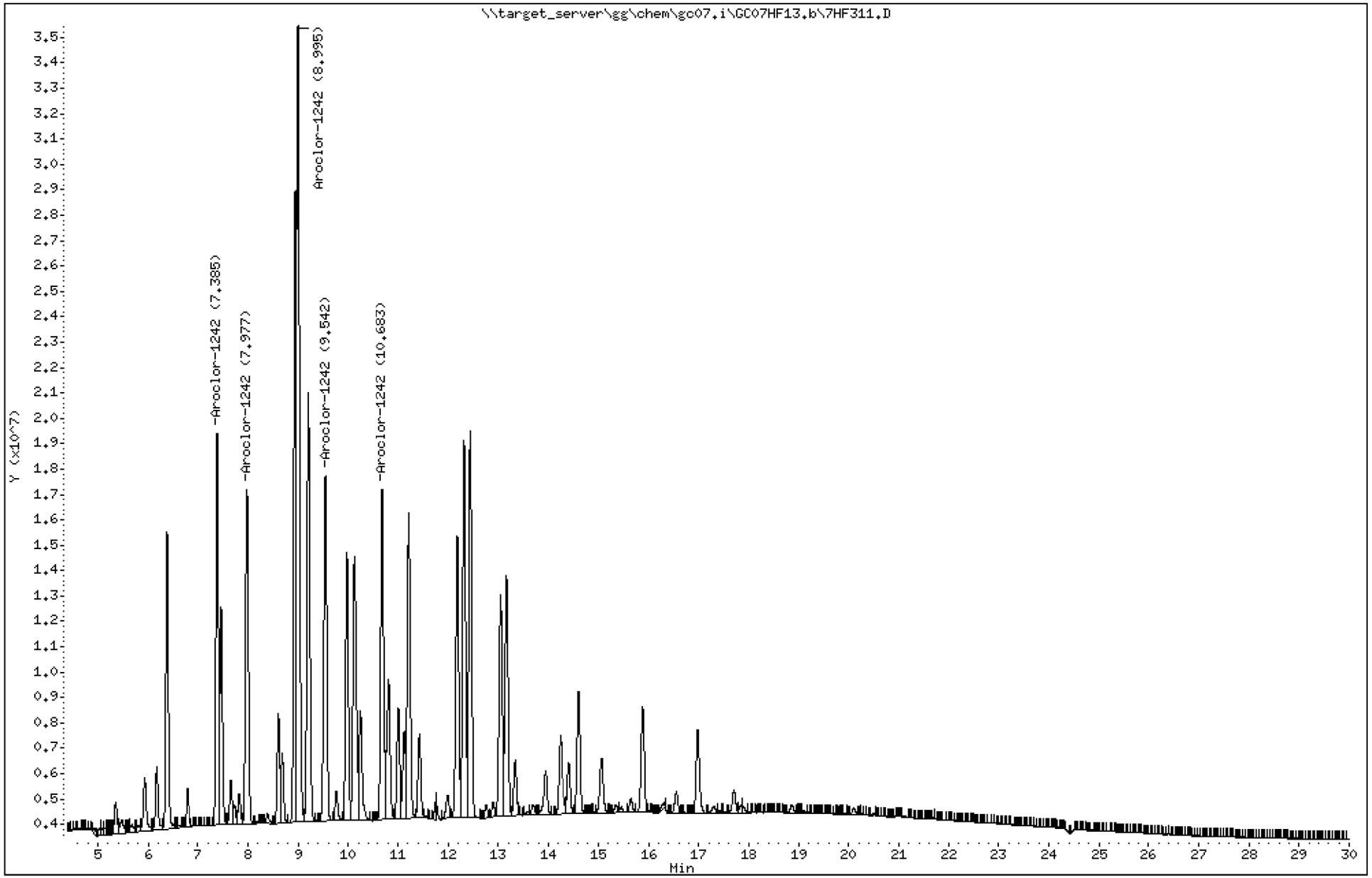
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Inj Date : 13-JUN-2014 19:46
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-15
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
5 Aroclor-1242					CAS #: 53469-21-9				
7.385	7.385	0.000	15414389	1.00000	1.02	0.00-	0.00	100.00	
7.976	7.976	0.000	13168339	1.00000	1.01	0.00-	0.00	85.43	
8.995	8.995	0.000	31371385	1.00000	0.949	0.00-	0.00	203.52	
9.541	9.541	0.000	13598637	1.00000	0.974	0.00-	0.00	88.22	
10.683	10.683	0.000	12981680	1.00000	0.999	0.00-	0.00	84.22	
		Average of Peak Amounts =			0.99040				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF311.D
Date : 13-JUN-2014 19:46
Client ID:
Instrument: gc07.i
Sample Info: WG144776-15
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000099

Data File: 7HF311.D
Report Date: 23-Jun-2014 10:26

Katahdin Analytical Services

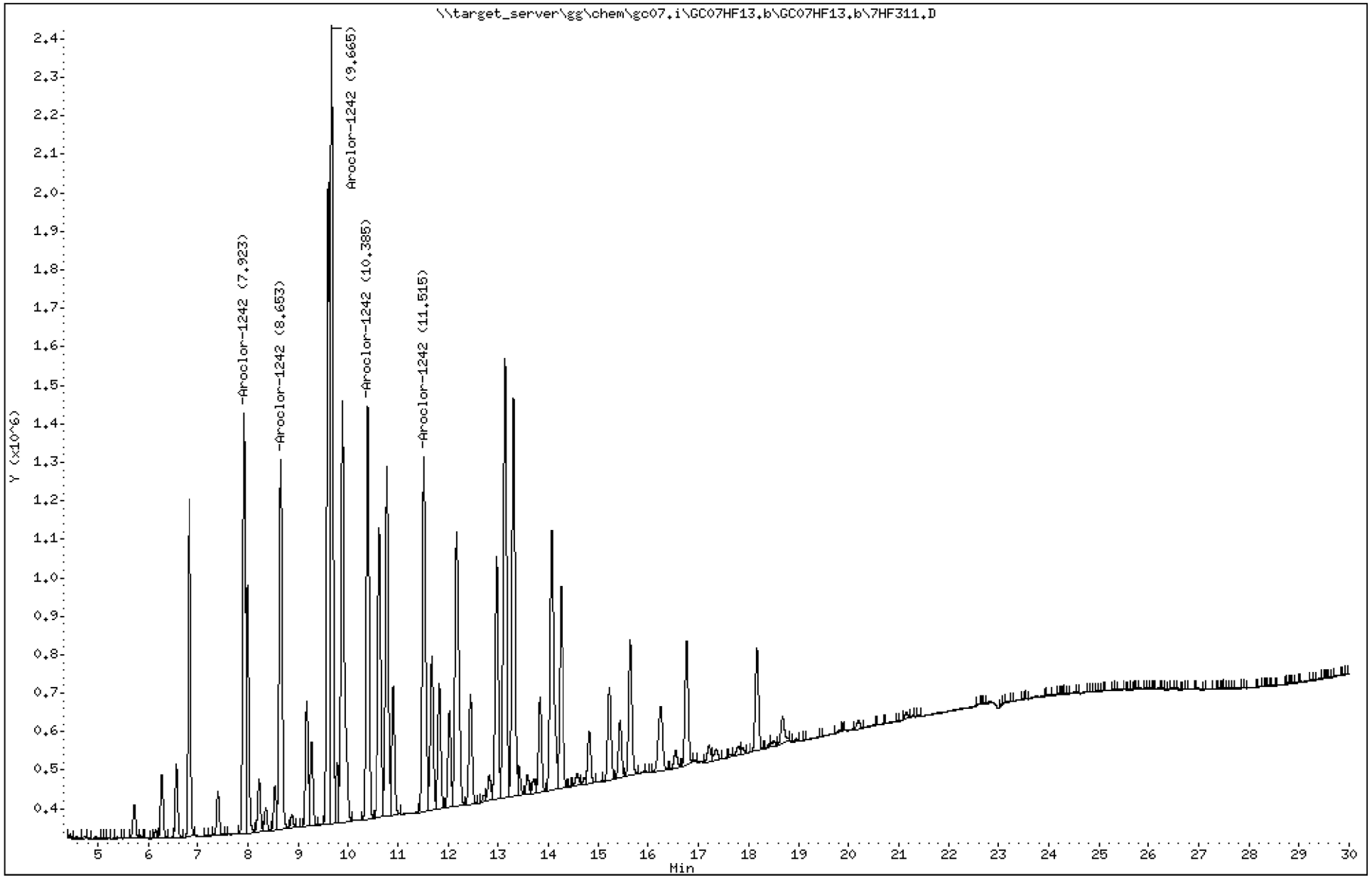
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Inj Date : 13-JUN-2014 19:46
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-16
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 13-JUN-2014 19:46 Cal File: 7HF311.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
6 Aroclor-1242						CAS #: 53469-21-9			
7.923	7.919	0.004	1092724	1.00000	1.00	0.00-	0.00	100.00	
8.653	8.648	0.005	959304	1.00000	1.00	0.00-	0.00	87.79	
9.664	9.661	0.003	2073378	1.00000	1.00	0.00-	0.00	189.74	
10.384	10.379	0.005	1071751	1.00000	1.00	0.00-	0.00	98.08	
11.514	11.509	0.005	921166	1.00000	1.00	0.00-	0.00	84.30	
Average of Peak Amounts =					1.00000				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF311.D
Date : 13-JUN-2014 19:46
Client ID:
Instrument: gc07.i
Sample Info: WG144776-16
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000101

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF317.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

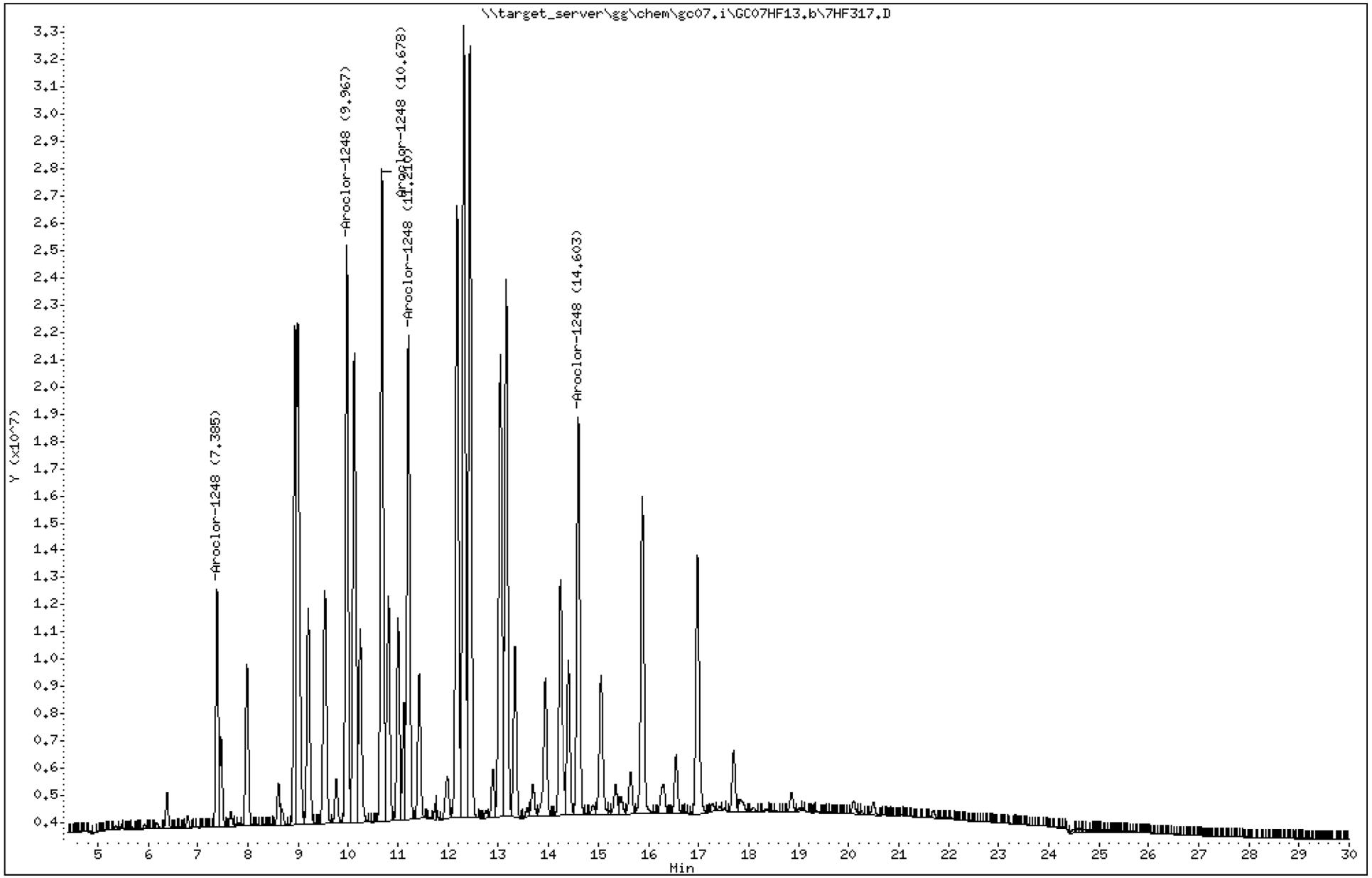
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Lab Smp Id: WG144776-27
Inj Date : 13-JUN-2014 23:23
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-27
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
7 Aroclor-1248					CAS #: 12672-29-6			
7.385	7.385	0.000	8697333	1.00000	1.03	0.00- 0.00	100.00	
9.966	9.966	0.000	21202700	1.00000	0.998	0.00- 0.00	243.78	
10.678	10.678	0.000	23981927	1.00000	0.991	0.00- 0.00	275.74	
11.210	11.210	0.000	17778665	1.00000	0.990	0.00- 0.00	204.42	
14.603	14.603	0.000	14582029	1.00000	1.04	0.00- 0.00	167.66	
Average of Peak Amounts =					1.00980			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF317.D
Date : 13-JUN-2014 23:23
Client ID:
Instrument: gc07.i
Sample Info: WG144776-27
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000103

Data File: 7HF317.D
Report Date: 23-Jun-2014 10:26

Katahdin Analytical Services

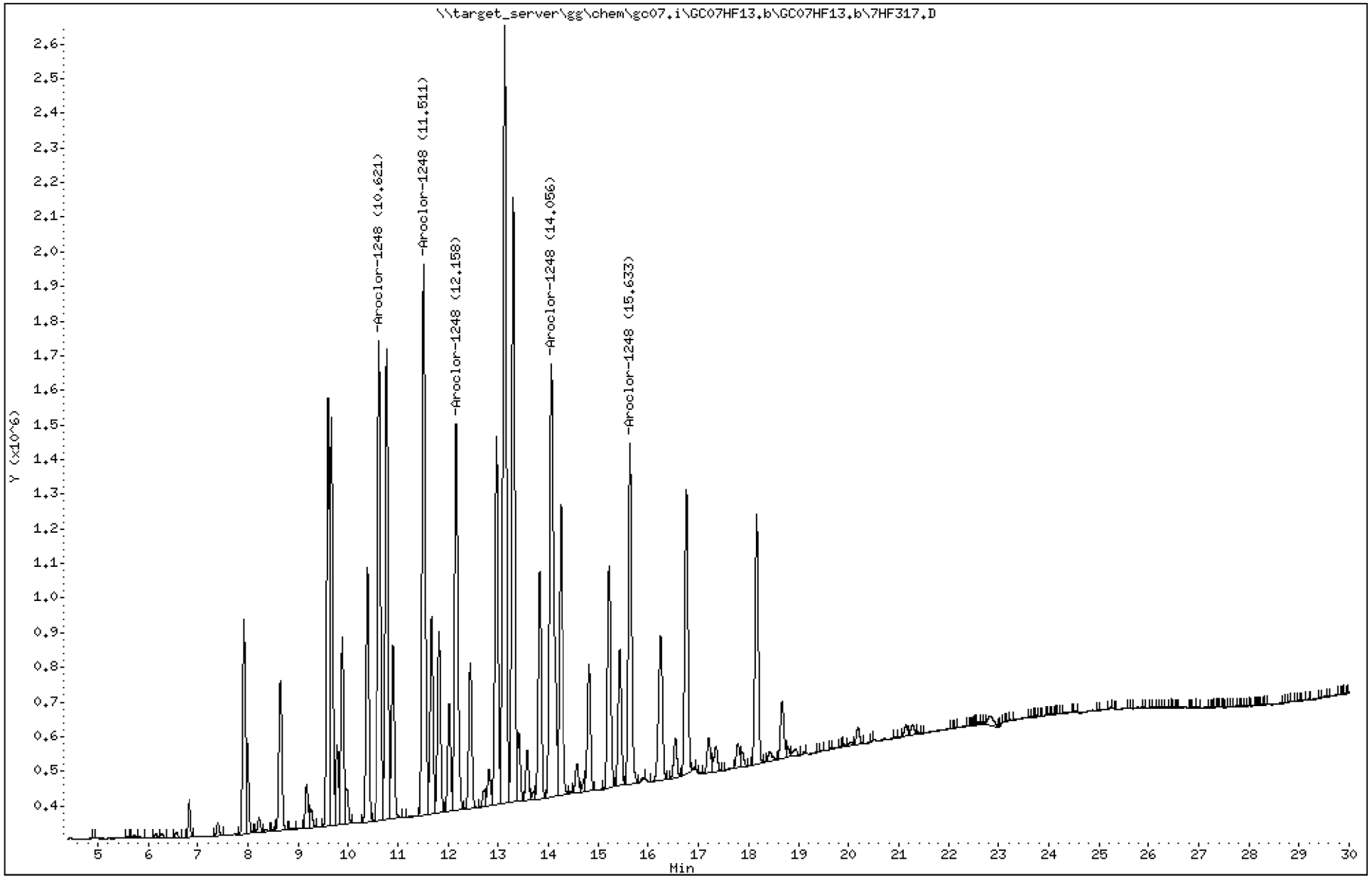
Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF317.D
Lab Smp Id: WG144776-28
Inj Date : 13-JUN-2014 23:23
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-28
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 13-JUN-2014 23:23 Cal File: 7HF317.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
7 Aroclor-1248					CAS #: 12672-29-6				
10.621	10.613	0.008	1384665	1.00000	1.00	0.00-	0.00	100.00	
11.511	11.503	0.008	1591263	1.00000	1.00	0.00-	0.00	114.92	
12.158	12.148	0.010	1117217	1.00000	1.00	0.00-	0.00	80.69	
14.056	14.048	0.008	1251294	1.00000	1.00	0.00-	0.00	90.37	
15.633	15.625	0.008	984887	1.00000	1.00	0.00-	0.00	71.13	
Average of Peak Amounts =					1.00000				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF317.D
Date : 13-JUN-2014 23:23
Client ID:
Instrument: gc07.i
Sample Info: WG144776-28
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000105

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF323.D
Report Date: 23-Jun-2014 10:28

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF323.D
Lab Smp Id: WG144776-39
Inj Date : 14-JUN-2014 03:00
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-39
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 22 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

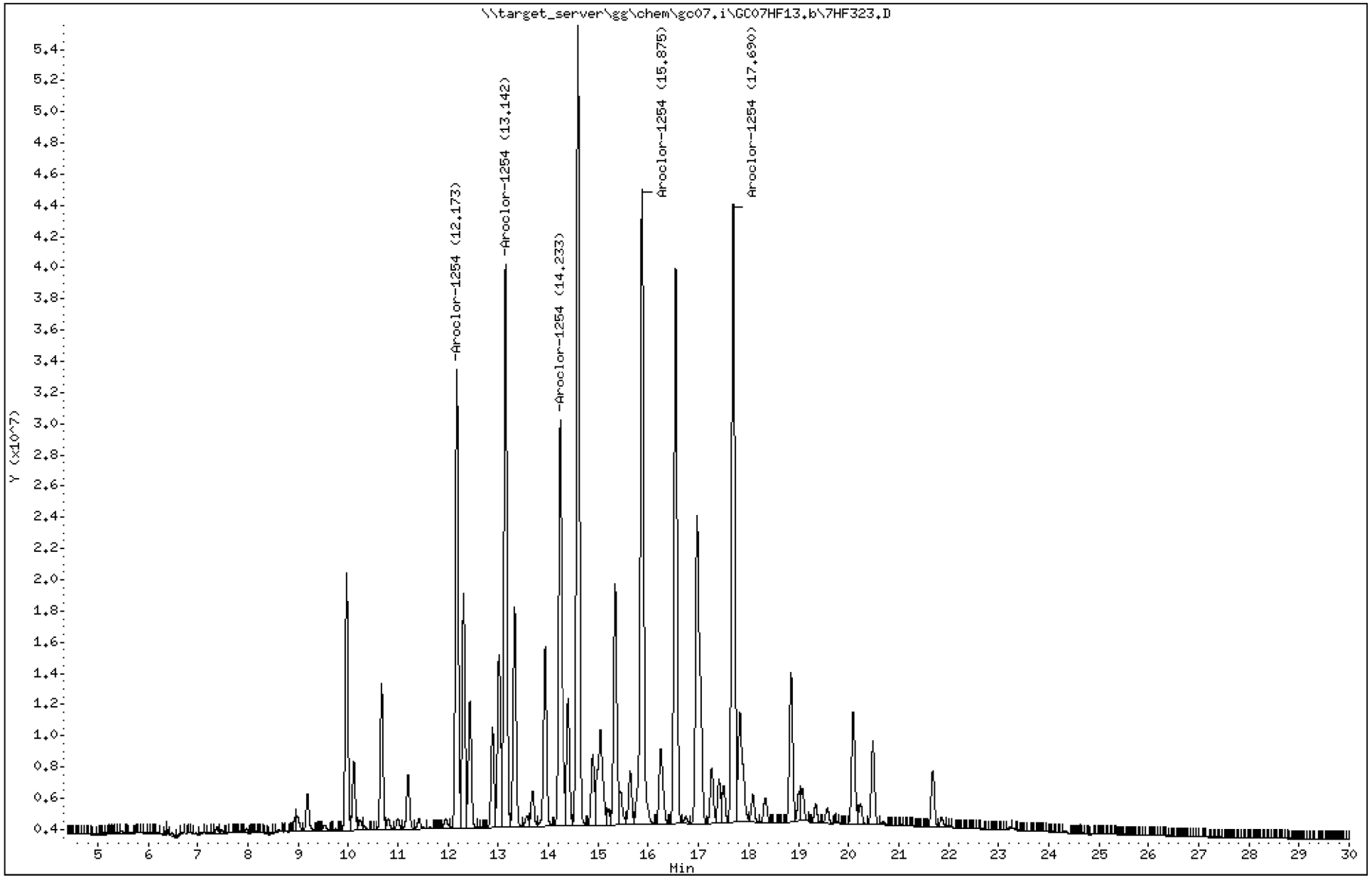
Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
12.173	12.173	0.000	29392455	1.00000	0.968	80.00- 120.00	100.00	
13.141	13.142	-0.001	36049192	1.00000	0.966	80.00- 120.00	122.65	
14.233	14.233	0.000	26007009	1.00000	0.966	80.00- 120.00	88.48	
15.874	15.875	-0.001	40679709	1.00000	0.912	80.00- 120.00	138.40	
17.689	17.690	-0.001	39615090	1.00000	0.935	0.00- 0.00	134.78	
		Average of Peak Amounts =			0.94940			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF323.D
Date : 14-JUN-2014 03:00
Client ID:
Sample Info: WG144776-39
Purge Volume: 1.0
Column phase: ZB-MultiResidue-1

Instrument: gc07.i
Operator: CB
Column diameter: 0.53



Katahdin Analytical Services 8000107

Data File: 7HF323.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

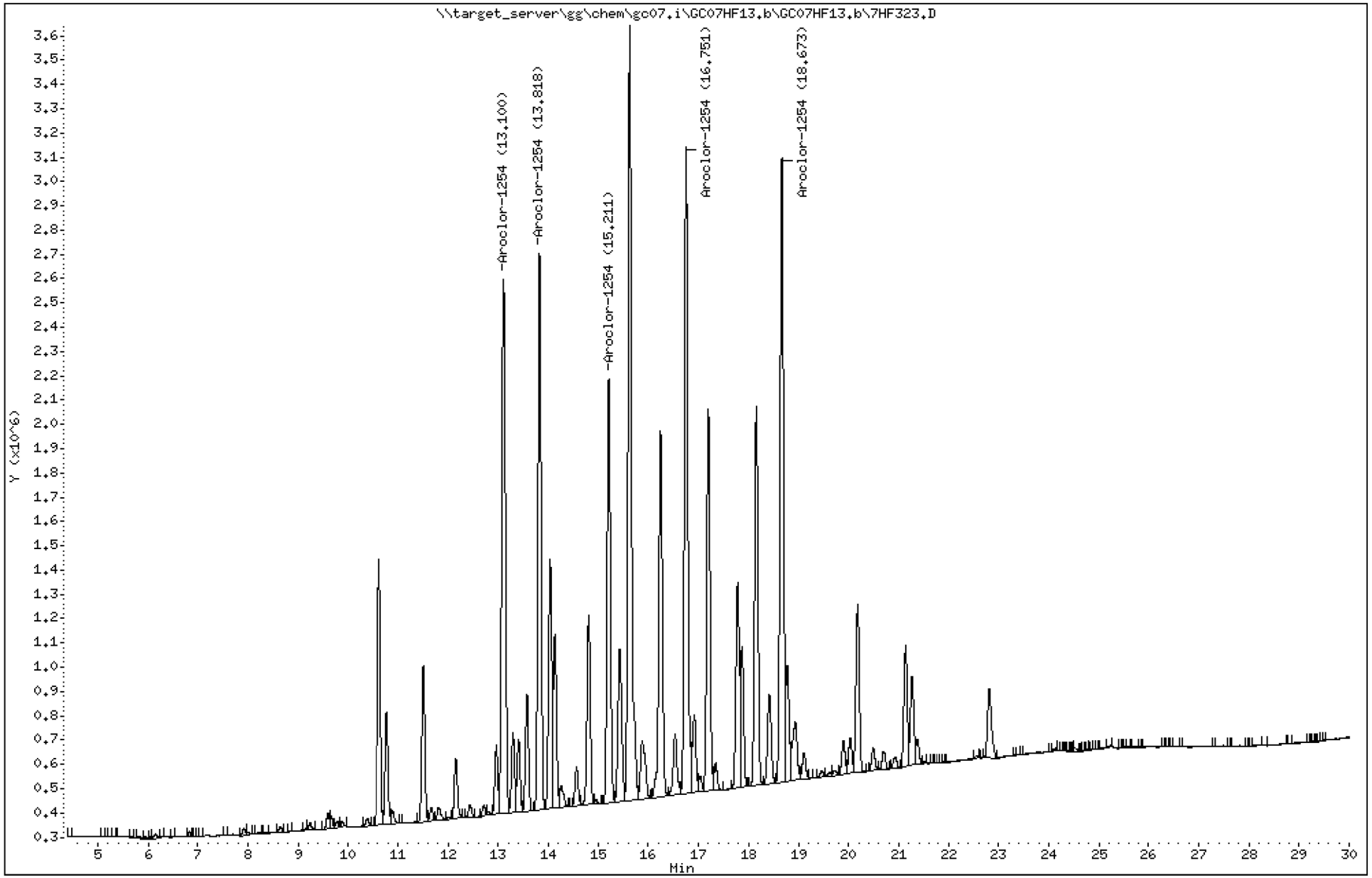
Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF323.D
Lab Smp Id: WG144776-40
Inj Date : 14-JUN-2014 03:00
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-40
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 03:00 Cal File: 7HF323.D
Als bottle: 22 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
13.099	13.097	0.002	2196959	1.00000	1.00	80.00- 120.00	100.00	
13.817	13.817	0.000	2293250	1.00000	1.00	80.00- 120.00	104.38	
15.211	15.208	0.003	1743739	1.00000	1.00	80.00- 120.00	79.37	
16.751	16.748	0.003	2660787	1.00000	1.00	80.00- 120.00	121.11	
18.672	18.670	0.002	2570142	1.00000	1.00	80.00- 120.00	116.99	
Average of Peak Amounts =					1.00000			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF323.D
Date : 14-JUN-2014 03:00
Client ID:
Instrument: gc07.i
Sample Info: WG144776-40
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000109

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF324.D
Report Date: 23-Jun-2014 10:28

Katahdin Analytical Services

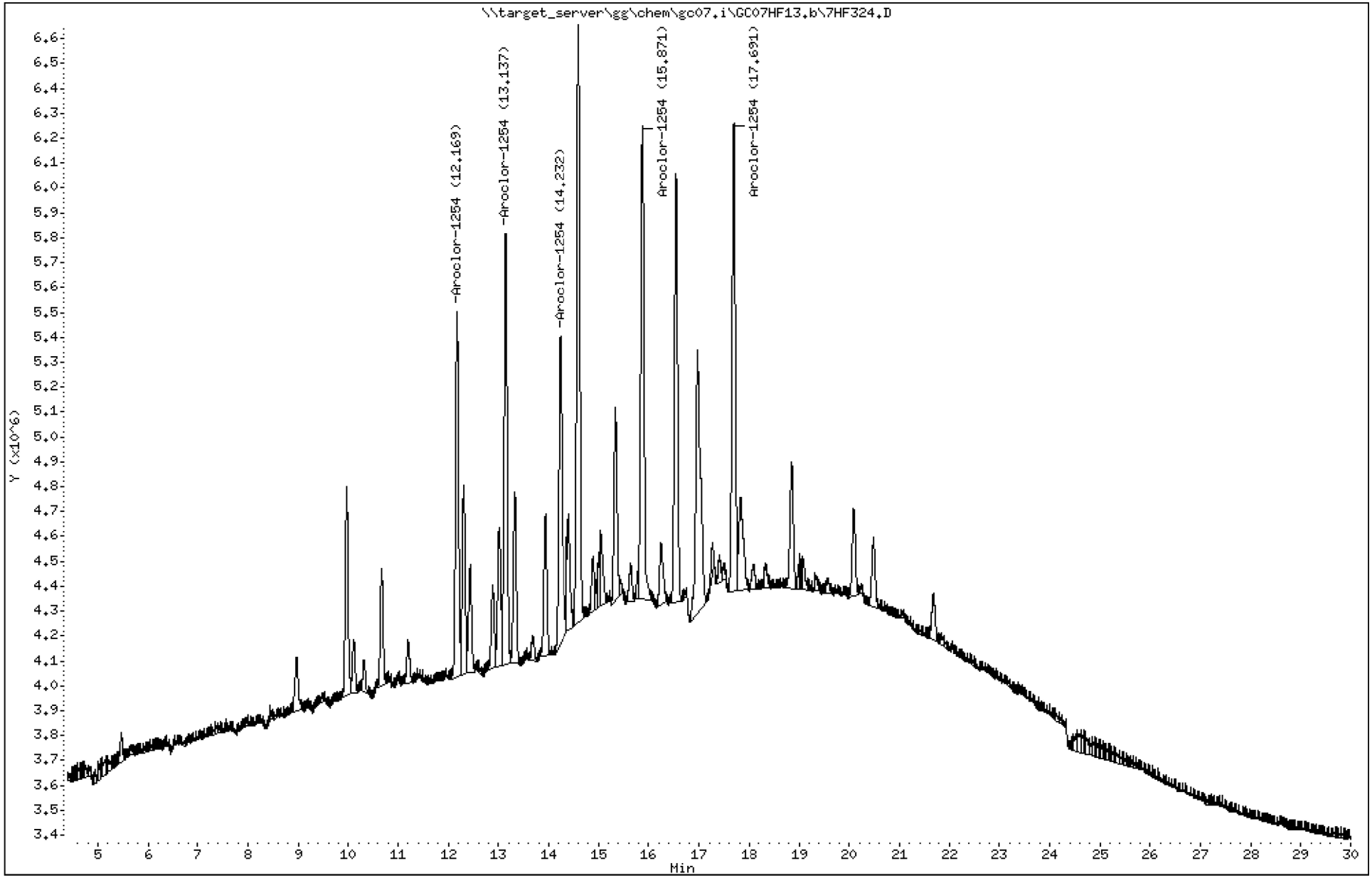
Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF324.D
Lab Smp Id: WG144776-41
Inj Date : 14-JUN-2014 03:36
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-41
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 23 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
12.168	12.173	-0.005	1465321	0.05000	0.0577	80.00- 120.00	100.00	
13.137	13.142	-0.005	1728412	0.05000	0.0580	80.00- 120.00	117.95	
14.232	14.233	-0.001	1232539	0.05000	0.0571	80.00- 120.00	84.11	
15.870	15.875	-0.005	1900433	0.05000	0.0669	80.00- 120.00	129.69	
17.690	17.690	0.000	1880749	0.05000	0.0626	0.00- 0.00	128.35	
Average of Peak Amounts =					0.06046			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF324.D
Date : 14-JUN-2014 03:36
Client ID:
Instrument: gc07.i
Sample Info: WG144776-41
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000111

Data File: 7HF324.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

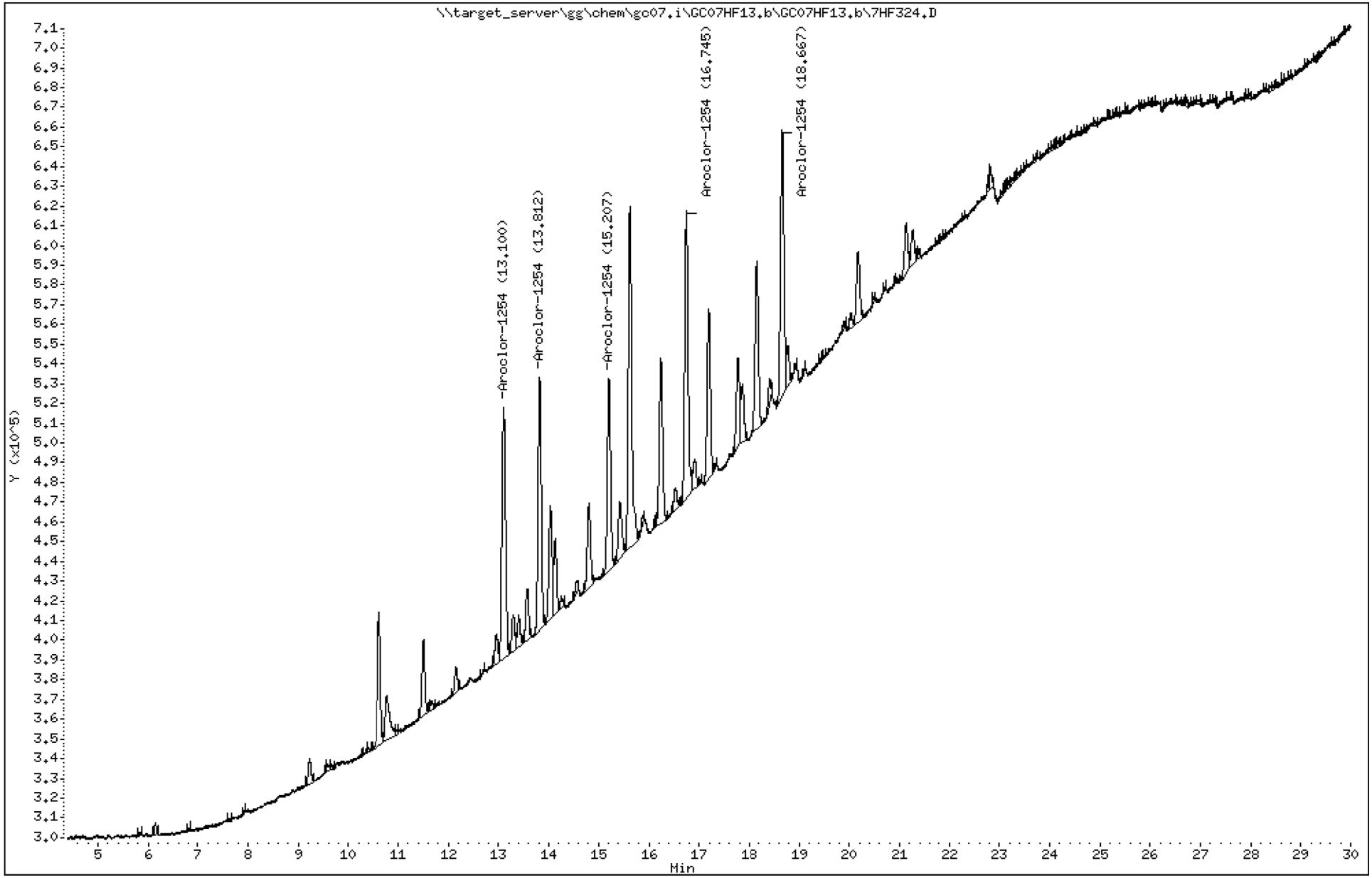
Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF324.D
Lab Smp Id: WG144776-42
Inj Date : 14-JUN-2014 03:36
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-42
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 03:36 Cal File: 7HF324.D
Als bottle: 23 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE	
8 Aroclor-1254					CAS #: 11097-69-1				
13.100	13.097	0.003	126889	0.05000	0.0536	80.00- 120.00	100.00		
13.811	13.817	-0.006	128381	0.05000	0.0528	80.00- 120.00	101.18		
15.206	15.208	-0.002	97365	0.05000	0.0528	80.00- 120.00	76.73		
16.745	16.748	-0.003	145770	0.05000	0.0523	80.00- 120.00	114.88		
18.666	18.670	-0.004	135191	0.05000	0.0513	80.00- 120.00	106.54		
Average of Peak Amounts =				0.05256					

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF324.D
Date : 14-JUN-2014 03:36
Client ID:
Instrument: gc07.i
Sample Info: WG144776-42
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000113

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF325.D
Report Date: 23-Jun-2014 10:28

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF325.D
Lab Smp Id: WG144776-43
Inj Date : 14-JUN-2014 04:12
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-43
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 24 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
12.172	12.173	-0.001	3004017	0.10000	0.109	80.00- 120.00	100.00(M)	
13.139	13.142	-0.003	3548996	0.10000	0.107	80.00- 120.00	118.14	
14.231	14.233	-0.002	2556302	0.10000	0.106	80.00- 120.00	85.10	
15.874	15.875	-0.001	4154195	0.10000	0.117	80.00- 120.00	138.29	
17.691	17.690	0.001	3867985	0.10000	0.109	0.00- 0.00	128.76	
Average of Peak Amounts =					0.10960			

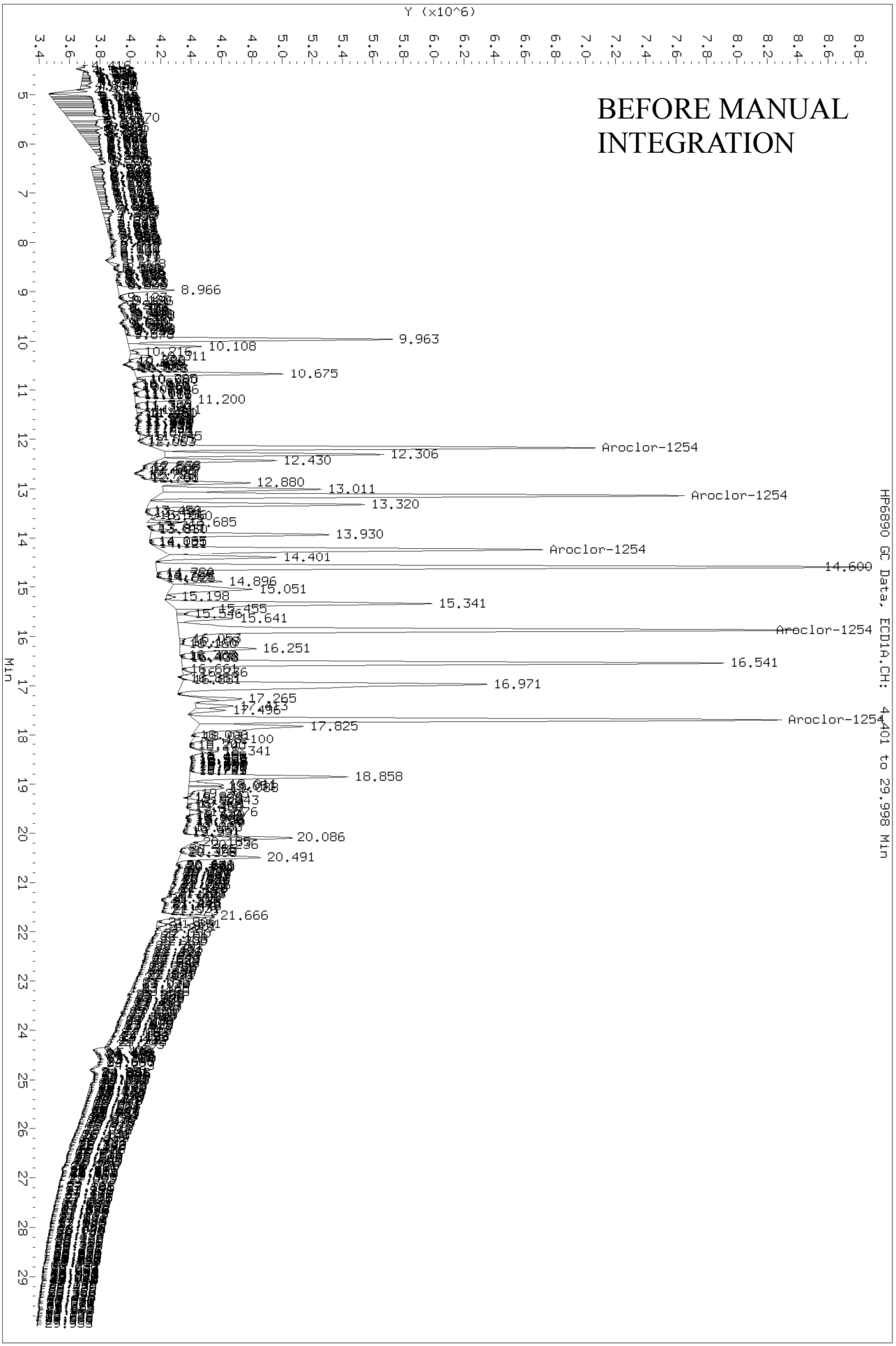


3:51 pm, Jun 24, 2014

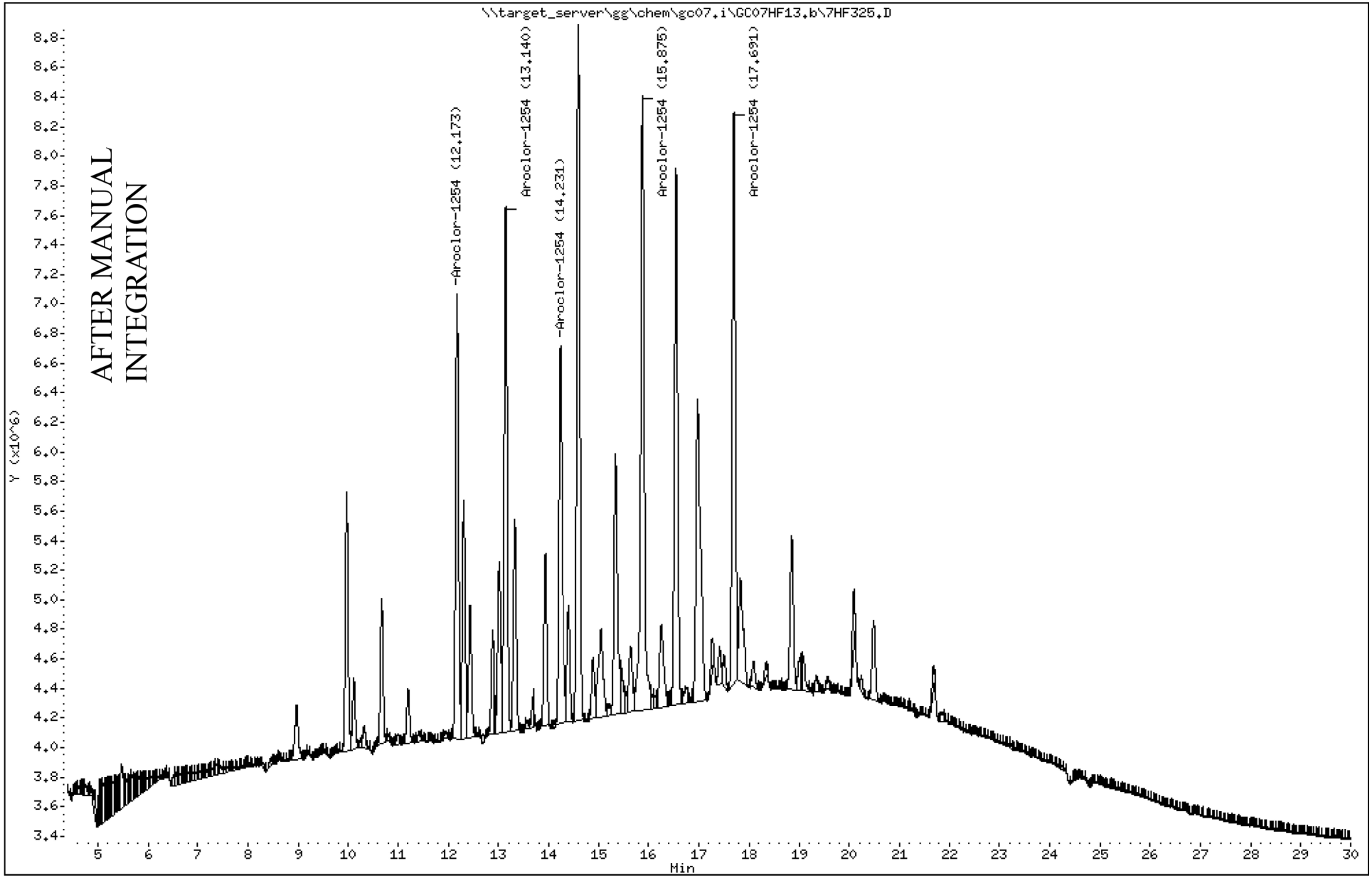
QC Flag Legend

M5

M - Compound response manually integrated.


Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF325.D
Injection Date: 14-JUN-2014 04:12
Instrument: gc07.i
Client Sample ID:
BEFORE MANUAL INTEGRATION
Y (x10^6)
Min
8.966
9.963
10.108
10.675
11.200
Aroclor-1254
12.306
12.430
12.880
13.011
Aroclor-1254
13.320
13.930
Aroclor-1254
14.401
14.600
14.896
15.051
15.198
15.341
15.641
Aroclor-1254
16.251
16.541
16.971
17.265
17.825
Aroclor-1254
18.858
20.086
20.491
21.666
HP6890 GC Data, ECD1A.CH: 4.401 to 29.998 Min

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF325.D
Date : 14-JUN-2014 04:12
Client ID:
Instrument: gc07.i
Sample Info: WG144776-43
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000116

Data File: 7HF325.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

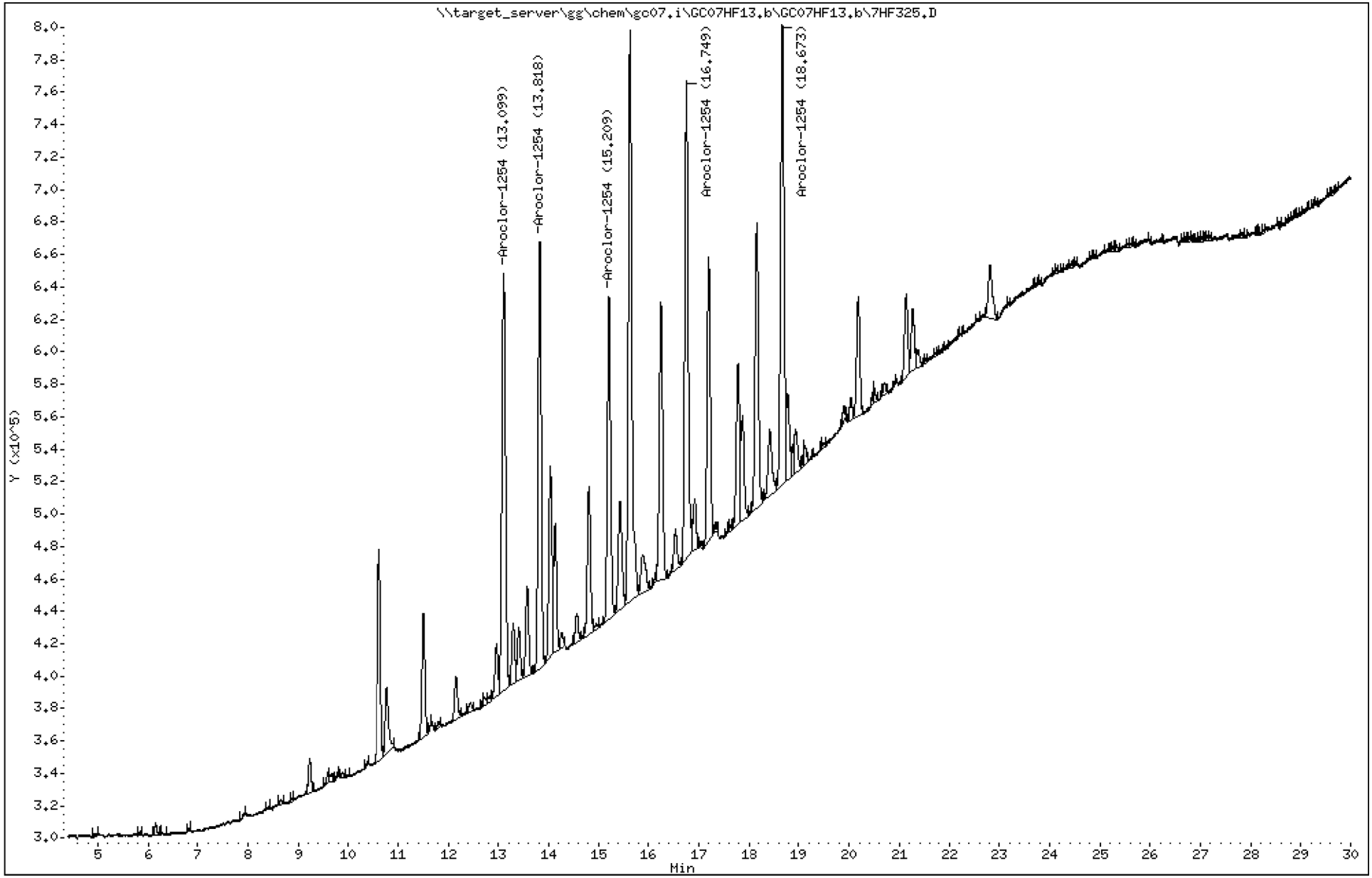
Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF325.D
Lab Smp Id: WG144776-44
Inj Date : 14-JUN-2014 04:12
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-44
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 24 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
13.099	13.097	0.002	257264	0.10000	0.106	80.00- 120.00	100.00	
13.817	13.817	0.000	263188	0.10000	0.105	80.00- 120.00	102.30	
15.209	15.208	0.001	198446	0.10000	0.105	80.00- 120.00	77.14	
16.749	16.748	0.001	294659	0.10000	0.104	80.00- 120.00	114.54	
18.672	18.670	0.002	283641	0.10000	0.105	80.00- 120.00	110.25	
		Average of Peak Amounts =			0.10500			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF325.D
Date : 14-JUN-2014 04:12
Client ID:
Instrument: gc07.i
Sample Info: WG144776-44
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000118

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF326.D
Report Date: 23-Jun-2014 10:28

Katahdin Analytical Services

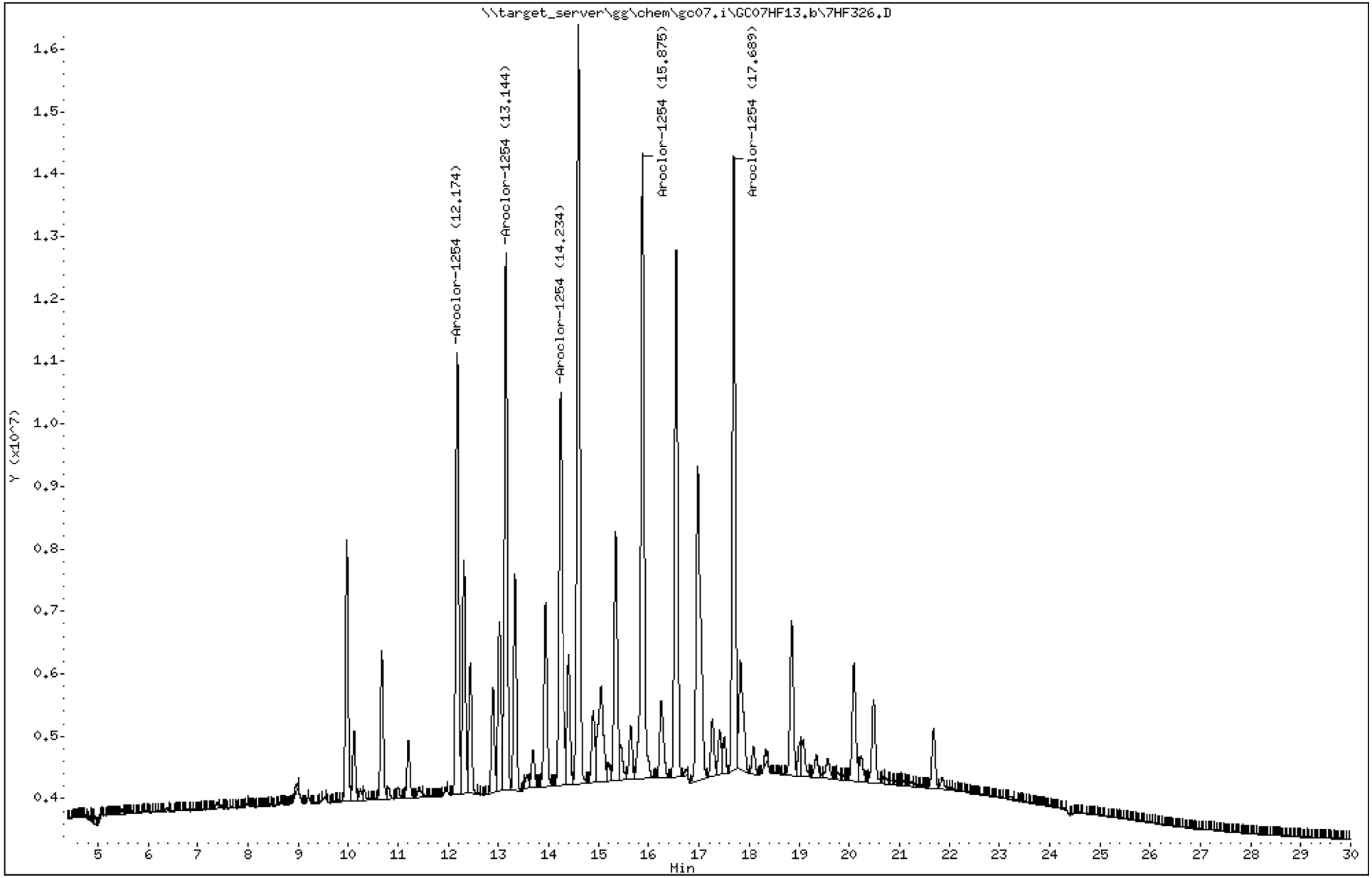
Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF326.D
Lab Smp Id: WG144776-45
Inj Date : 14-JUN-2014 04:48
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-45
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 25 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1				
12.173	12.173	0.000	7061458	0.25000	0.243	80.00-	120.00	100.00	
13.143	13.142	0.001	8597073	0.25000	0.243	80.00-	120.00	121.75	
14.233	14.233	0.000	6285195	0.25000	0.245	80.00-	120.00	89.01	
15.875	15.875	0.000	10006527	0.25000	0.246	80.00-	120.00	141.71	
17.688	17.690	-0.002	9844676	0.25000	0.250	0.00-	0.00	139.41	
		Average of Peak Amounts =			0.24540				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF326.D
Date : 14-JUN-2014 04:48
Client ID:
Instrument: gc07.i
Sample Info: WG144776-45
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000120

Data File: 7HF326.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

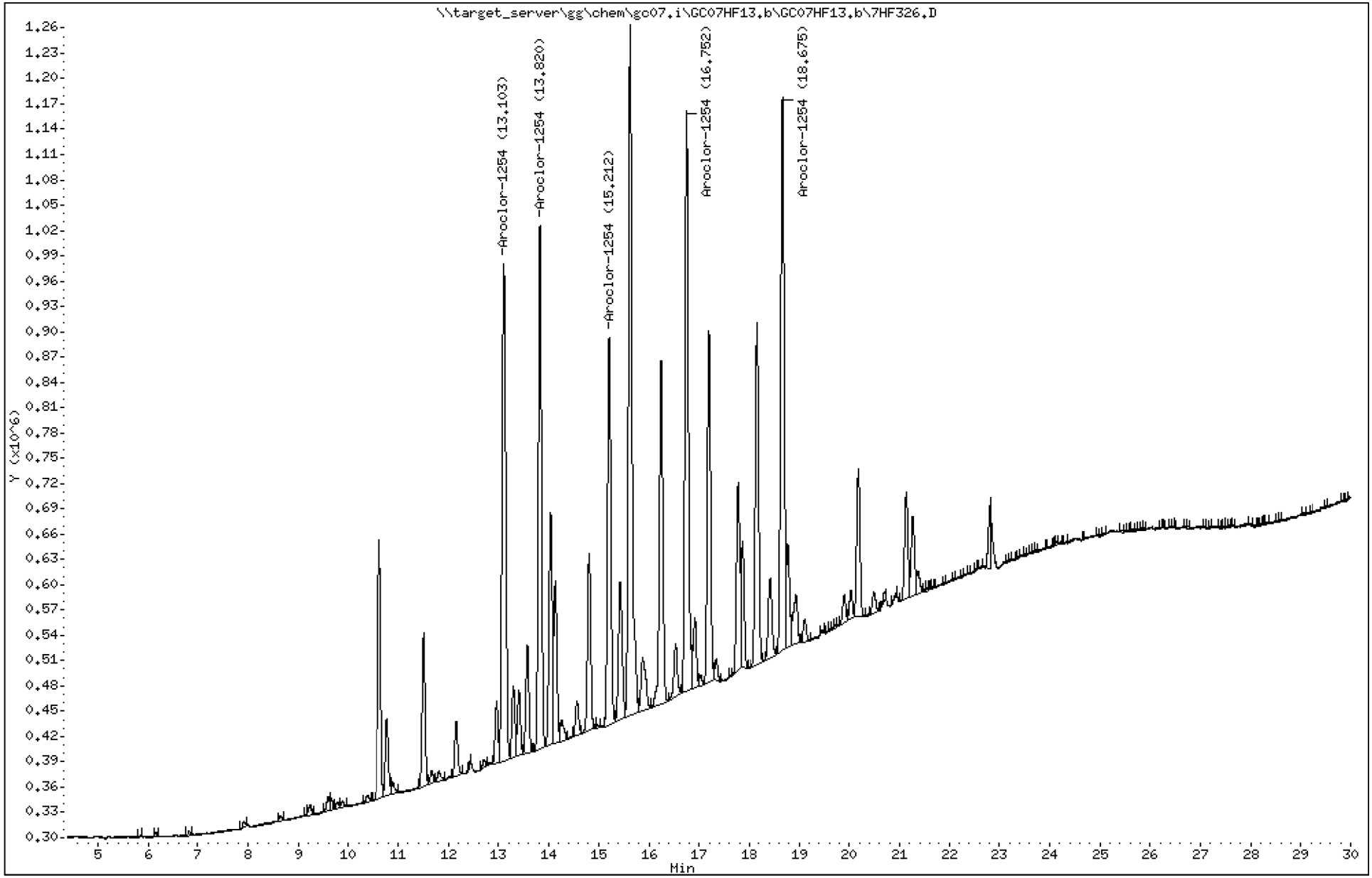
Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF326.D
Lab Smp Id: WG144776-46
Inj Date : 14-JUN-2014 04:48
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-46
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:48 Cal File: 7HF326.D
Als bottle: 25 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
13.103	13.097	0.006	588484	0.25000	0.244	80.00- 120.00	100.00	
13.820	13.817	0.003	620395	0.25000	0.249	80.00- 120.00	105.42	
15.211	15.208	0.003	459134	0.25000	0.244	80.00- 120.00	78.02	
16.751	16.748	0.003	687160	0.25000	0.244	80.00- 120.00	116.77	
18.675	18.670	0.005	655160	0.25000	0.244	80.00- 120.00	111.33	
Average of Peak Amounts =					0.24500			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF326.D
Date : 14-JUN-2014 04:48
Client ID:
Instrument: gc07.i
Sample Info: WG144776-46
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000122

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF327.D
Report Date: 23-Jun-2014 10:28

Katahdin Analytical Services

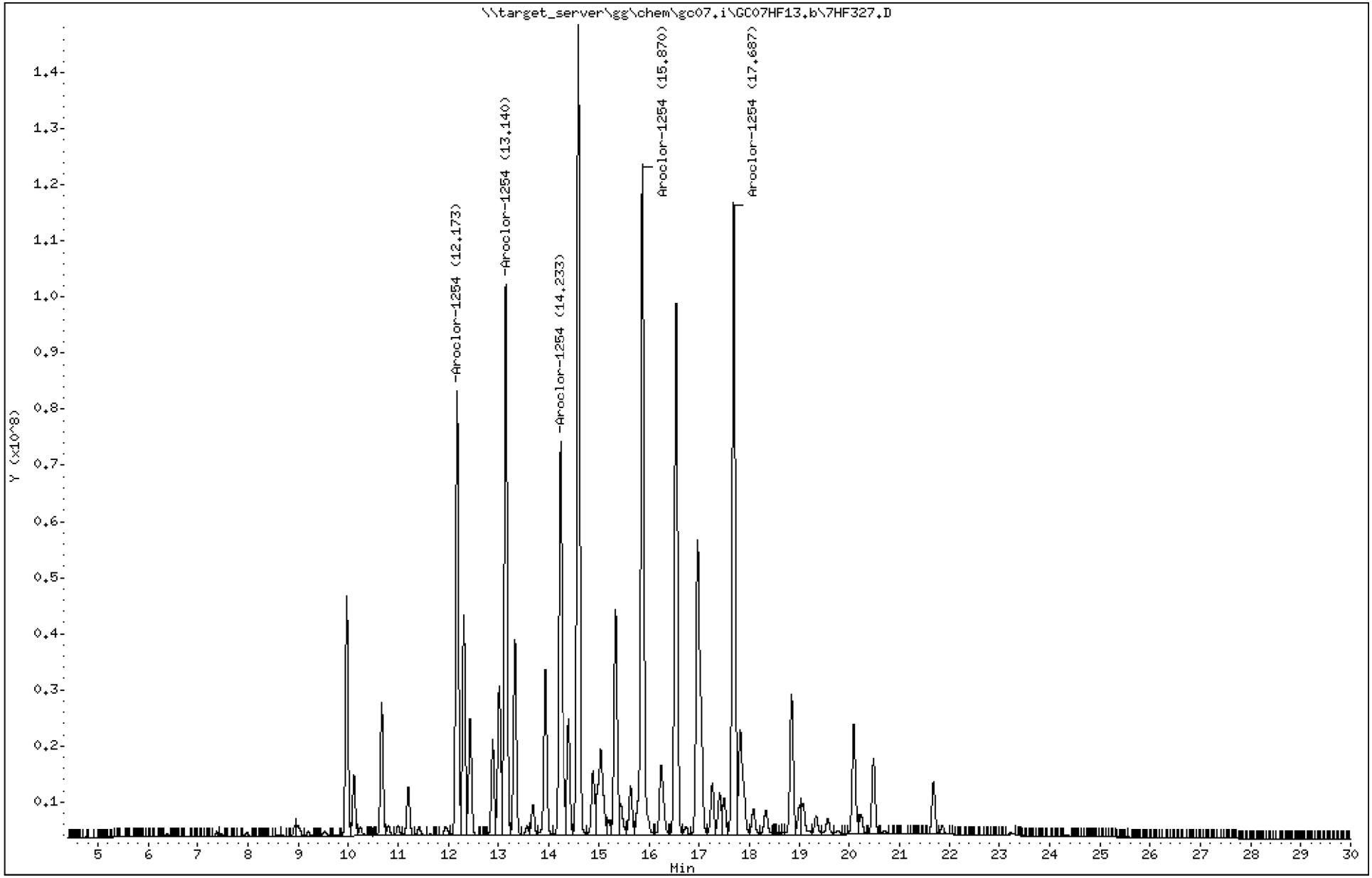
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Lab Smp Id: WG144776-47
Inj Date : 14-JUN-2014 05:24
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-47
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 26 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1				
12.173	12.173	0.000	79349967	2.50000	2.51	80.00-	120.00	100.00	
13.140	13.142	-0.002	98333117	2.50000	2.51	80.00-	120.00	123.92	
14.233	14.233	0.000	70295668	2.50000	2.51	80.00-	120.00	88.59	
15.870	15.875	-0.005	119478928	2.50000	2.53	80.00-	120.00	150.57	
17.686	17.690	-0.004	112810795	2.50000	2.52	0.00-	0.00	142.17	
Average of Peak Amounts =					2.51600				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF327.D
Date : 14-JUN-2014 05:24
Client ID:
Instrument: gc07.i
Sample Info: WG144776-47
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000124

Data File: 7HF327.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

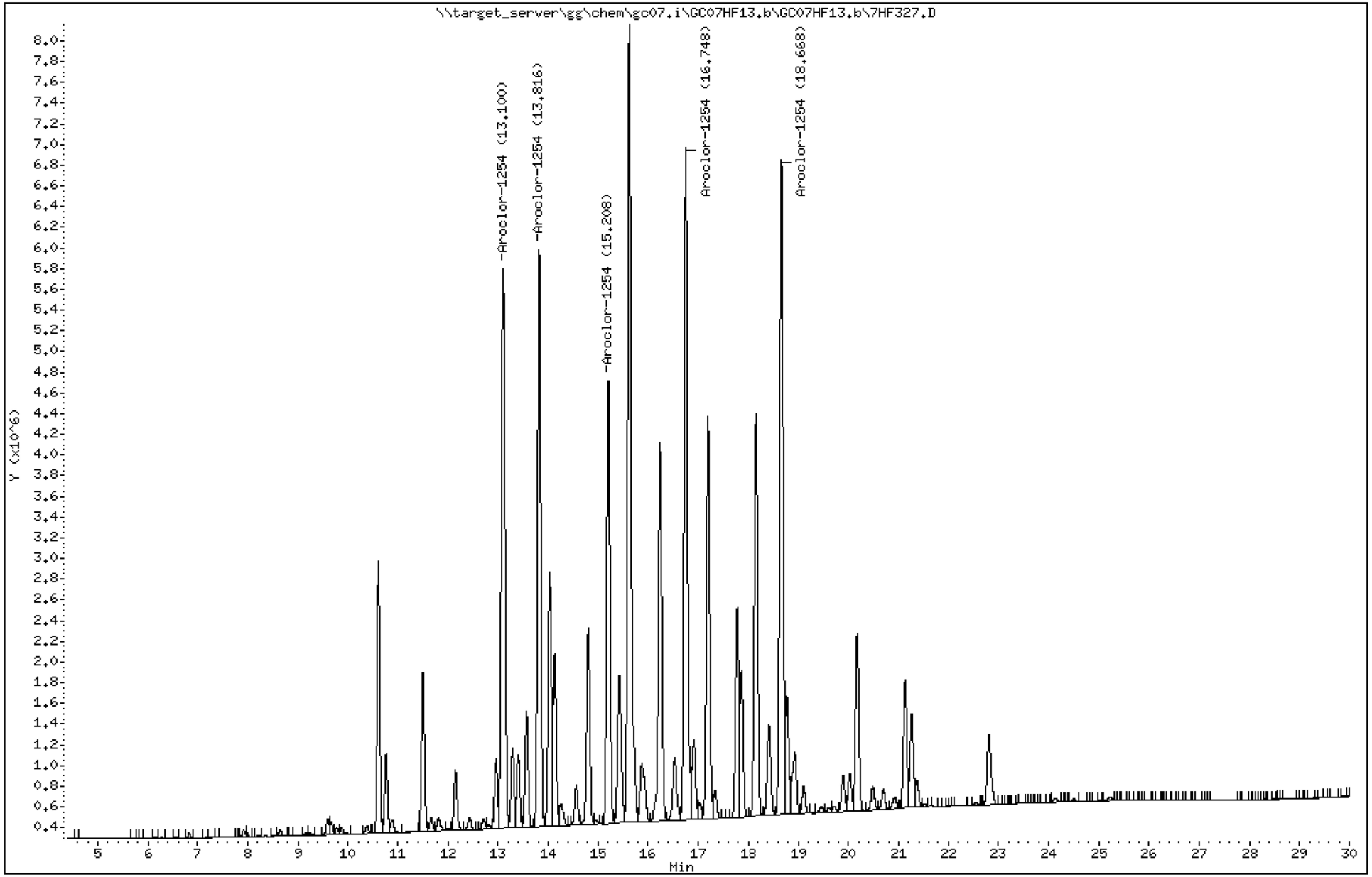
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Lab Smp Id: WG144776-48
Inj Date : 14-JUN-2014 05:24
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-48
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 05:24 Cal File: 7HF327.D
Als bottle: 26 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE	
8 Aroclor-1254					CAS #: 11097-69-1				
13.099	13.097	0.002	5404404	2.50000	2.28	80.00- 120.00	100.00		
13.816	13.817	-0.001	5564439	2.50000	2.28	80.00- 120.00	102.96		
15.208	15.208	0.000	4280251	2.50000	2.32	80.00- 120.00	79.20		
16.748	16.748	0.000	6497274	2.50000	2.34	80.00- 120.00	120.22		
18.668	18.670	-0.002	6329448	2.50000	2.39	80.00- 120.00	117.12		
Average of Peak Amounts =					2.32200				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF327.D
Date : 14-JUN-2014 05:24
Client ID:
Instrument: gc07.i
Sample Info: WG144776-48
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000126

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF328.D
Report Date: 23-Jun-2014 10:28

Katahdin Analytical Services

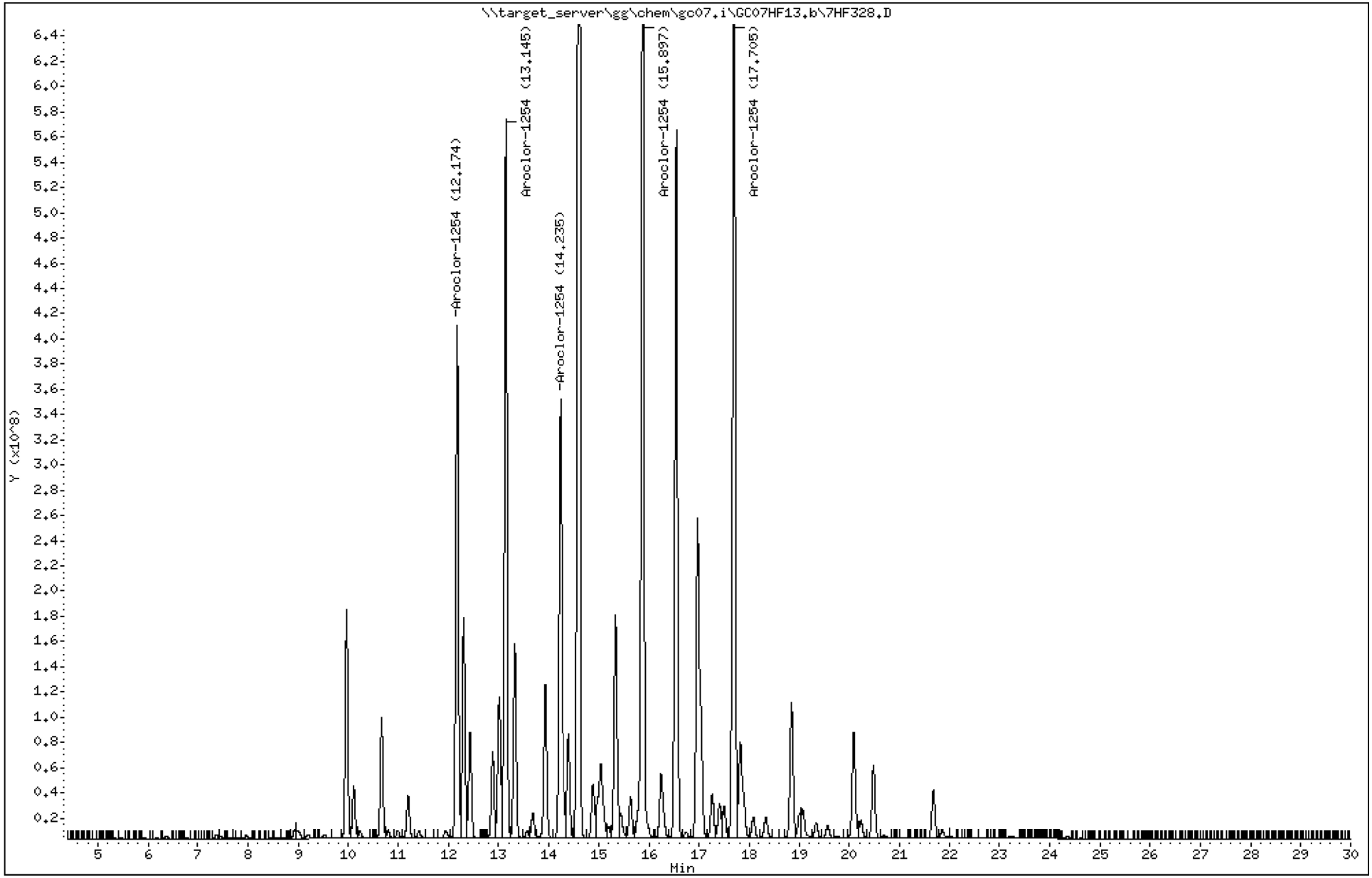
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Lab Smp Id: WG144776-49
Inj Date : 14-JUN-2014 06:00
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-49
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 27 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1				
12.173	12.173	0.000	406956926	10.0000	10.0	80.00-	120.00	100.00	
13.145	13.142	0.003	570018170	10.0000	10.0	80.00-	120.00	140.07	
14.235	14.233	0.002	348119736	10.0000	10.0	80.00-	120.00	85.54	
15.896	15.875	0.021	644471542	10.0000	10.0	80.00-	120.00	158.36	
17.705	17.690	0.015	644605284	10.0000	10.0	0.00-	0.00	158.40	
Average of Peak Amounts =				10.0000					

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF328.D
Date : 14-JUN-2014 06:00
Client ID:
Instrument: gc07.i
Sample Info: WG144776-49
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000128

Data File: 7HF328.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

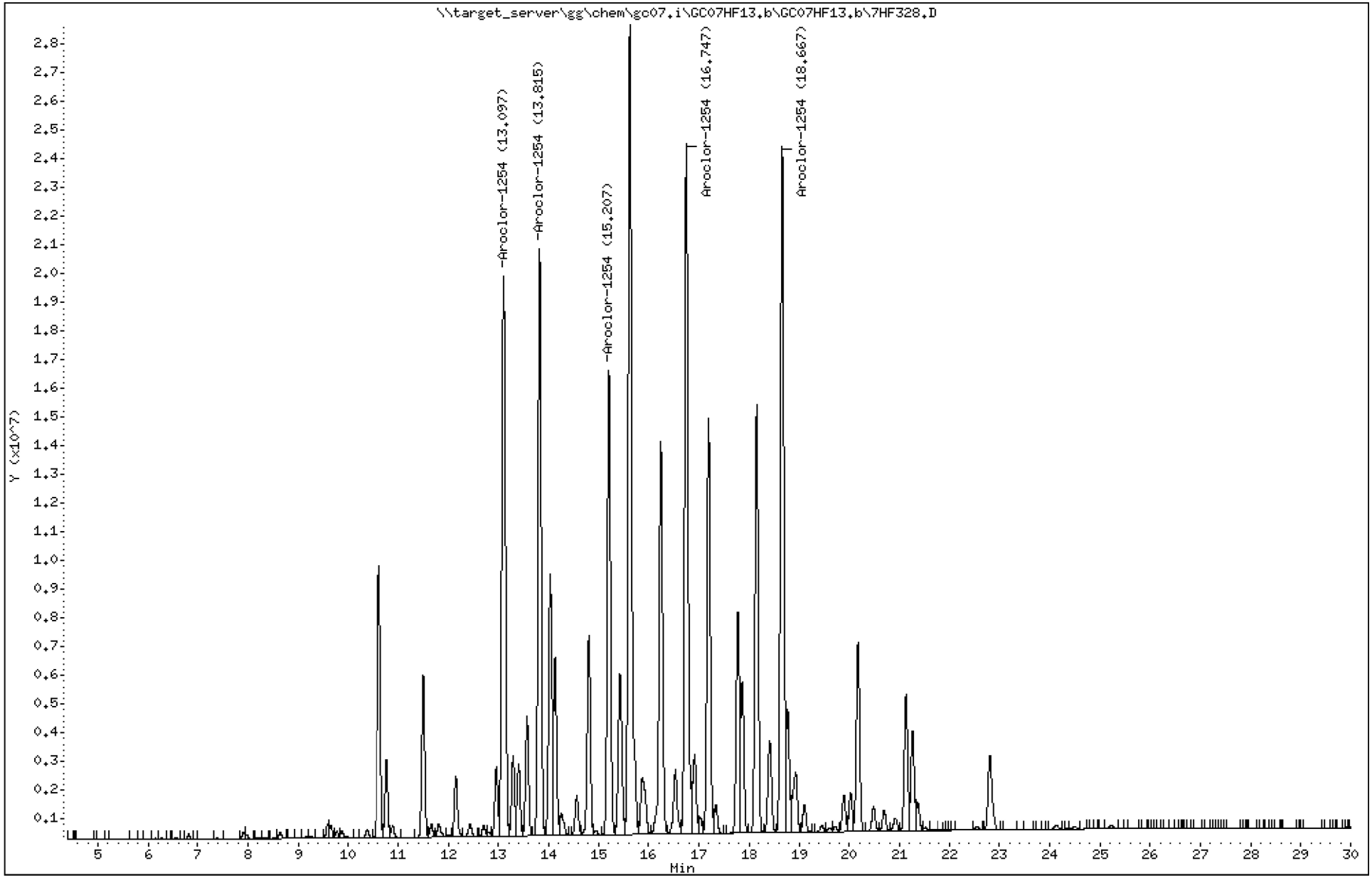
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Inj Date : 14-JUN-2014 06:00
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-50
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 27 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
13.096	13.097	-0.001	19504957	10.0000	8.50	80.00- 120.00	100.00	
13.814	13.817	-0.003	20459016	10.0000	8.62	80.00- 120.00	104.89	
15.206	15.208	-0.002	16167569	10.0000	8.95	80.00- 120.00	82.89	
16.746	16.748	-0.002	24031175	10.0000	8.86	80.00- 120.00	123.21	
18.666	18.670	-0.004	23908614	10.0000	9.16	80.00- 120.00	122.58	
Average of Peak Amounts =					8.81800			

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF328.D
Date : 14-JUN-2014 06:00
Client ID:
Instrument: gc07.i
Sample Info: WG144776-50
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000130

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF329.D
Report Date: 23-Jun-2014 10:28

Katahdin Analytical Services

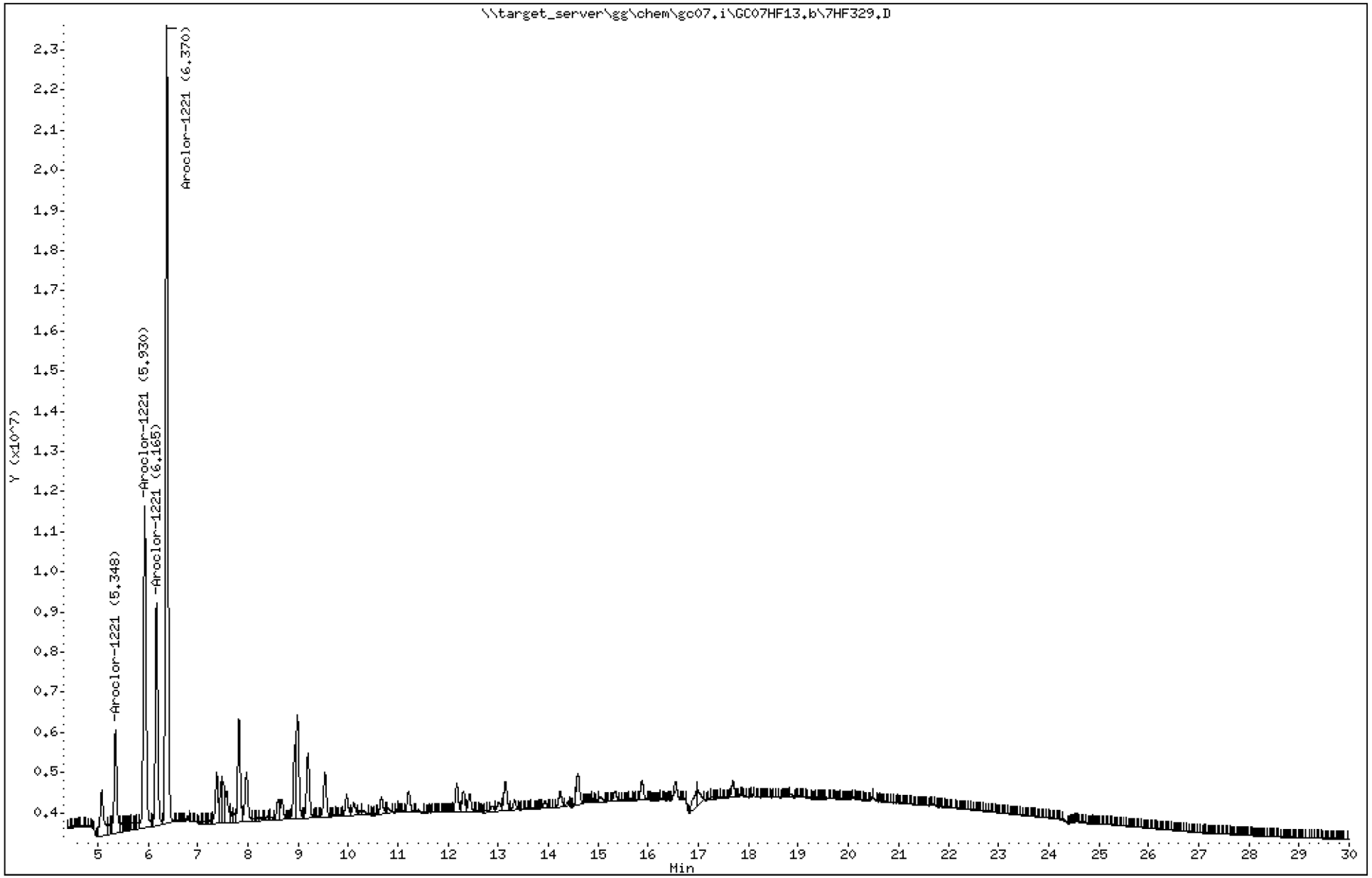
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Lab Smp Id: WG144776-51
Inj Date : 14-JUN-2014 06:36
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-51
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 28 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
2 Aroclor-1221						CAS #: 11104-28-2			
5.348	5.348	0.000	2554207	1.00000	1.00	0.00-	0.00	100.00	
5.929	5.929	0.000	8026124	1.00000	1.00	0.00-	0.00	314.23	
6.164	6.164	0.000	5529377	1.00000	1.00	0.00-	0.00	216.48	
6.369	6.369	0.000	19884217	1.00000	1.00	0.00-	0.00	778.49	
		Average of Peak Amounts =			1.00000				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF329.D
Date : 14-JUN-2014 06:36
Client ID:
Instrument: gc07.i
Sample Info: WG144776-51
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000132

Data File: 7HF329.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

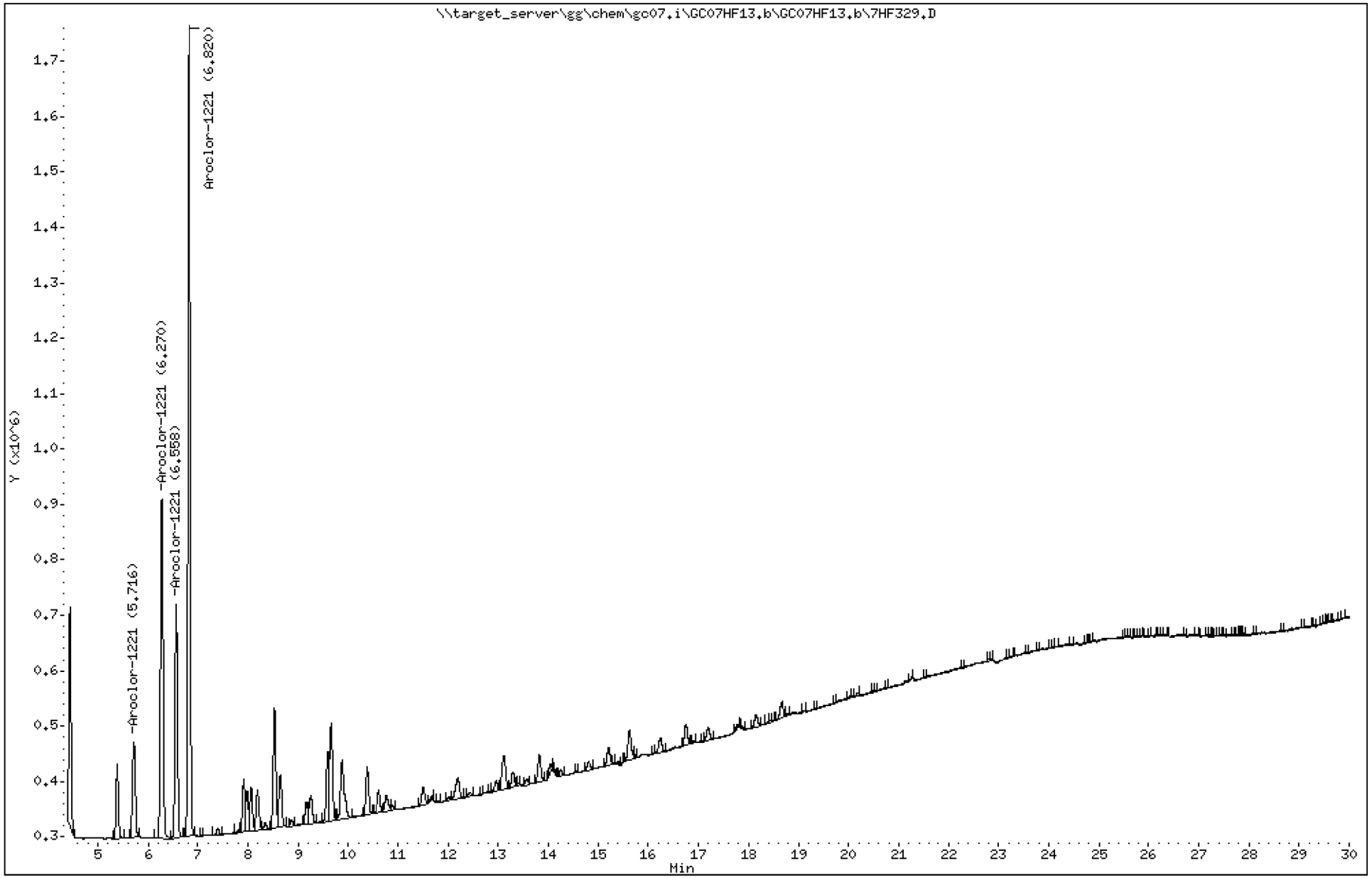
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Lab Smp Id: WG144776-52
Inj Date : 14-JUN-2014 06:36
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-52
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 08:24 Cal File: 7HF332.D
Als bottle: 28 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
3 Aroclor-1221					CAS #: 11104-28-2			
5.716	5.716	0.000	173549	1.00000	1.00	0.00- 0.00	100.00	
6.269	6.269	0.000	612853	1.00000	1.00	0.00- 0.00	353.13	
6.557	6.557	0.000	421400	1.00000	1.00	0.00- 0.00	242.81	
6.819	6.819	0.000	1462244	1.00000	1.00	0.00- 0.00	842.55	
		Average of Peak Amounts =		1.00000				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF329.D
Date : 14-JUN-2014 06:36
Client ID:
Instrument: gc07.i
Sample Info: WG144776-52
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000134

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF330.D
Report Date: 23-Jun-2014 10:28

Katahdin Analytical Services

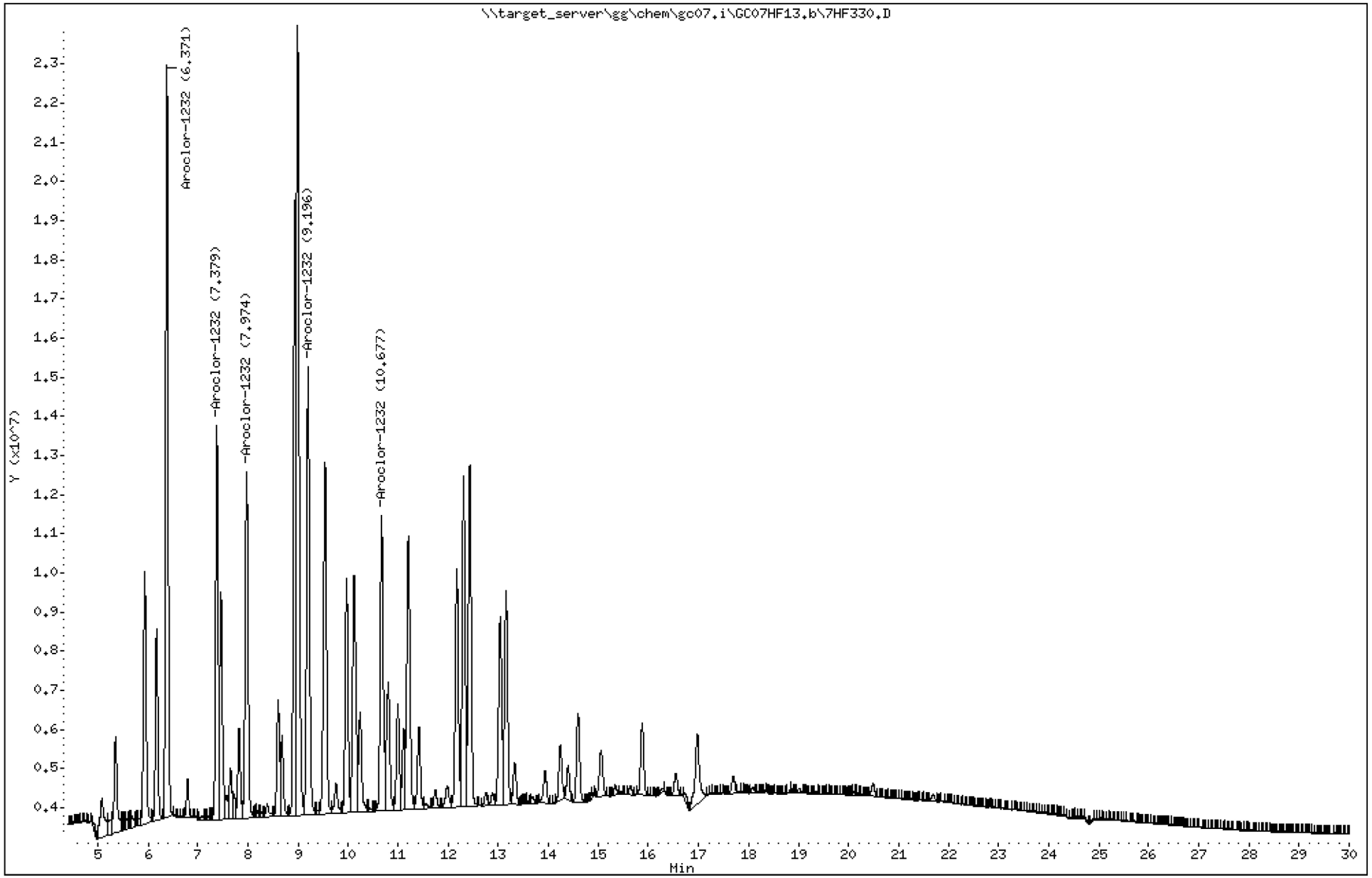
Data file : \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF330.D
Lab Smp Id: WG144776-53
Inj Date : 14-JUN-2014 07:12
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-53
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 29 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
4 Aroclor-1232					CAS #: 11141-16-5				
6.370	6.370	0.000	19186494	1.00000	1.00	0.00-	0.00	100.00	
7.379	7.379	0.000	10054773	1.00000	1.00	0.00-	0.00	52.41	
7.974	7.974	0.000	8848517	1.00000	1.00	0.00-	0.00	46.12	
9.195	9.195	0.000	11443323	1.00000	1.00	0.00-	0.00	59.64	
10.677	10.677	0.000	7524523	1.00000	1.00	0.00-	0.00	39.22	
Average of Peak Amounts =					1.00000				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF330.D
Date : 14-JUN-2014 07:12
Client ID:
Instrument: gc07.i
Sample Info: WG144776-53
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000136

Data File: 7HF330.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

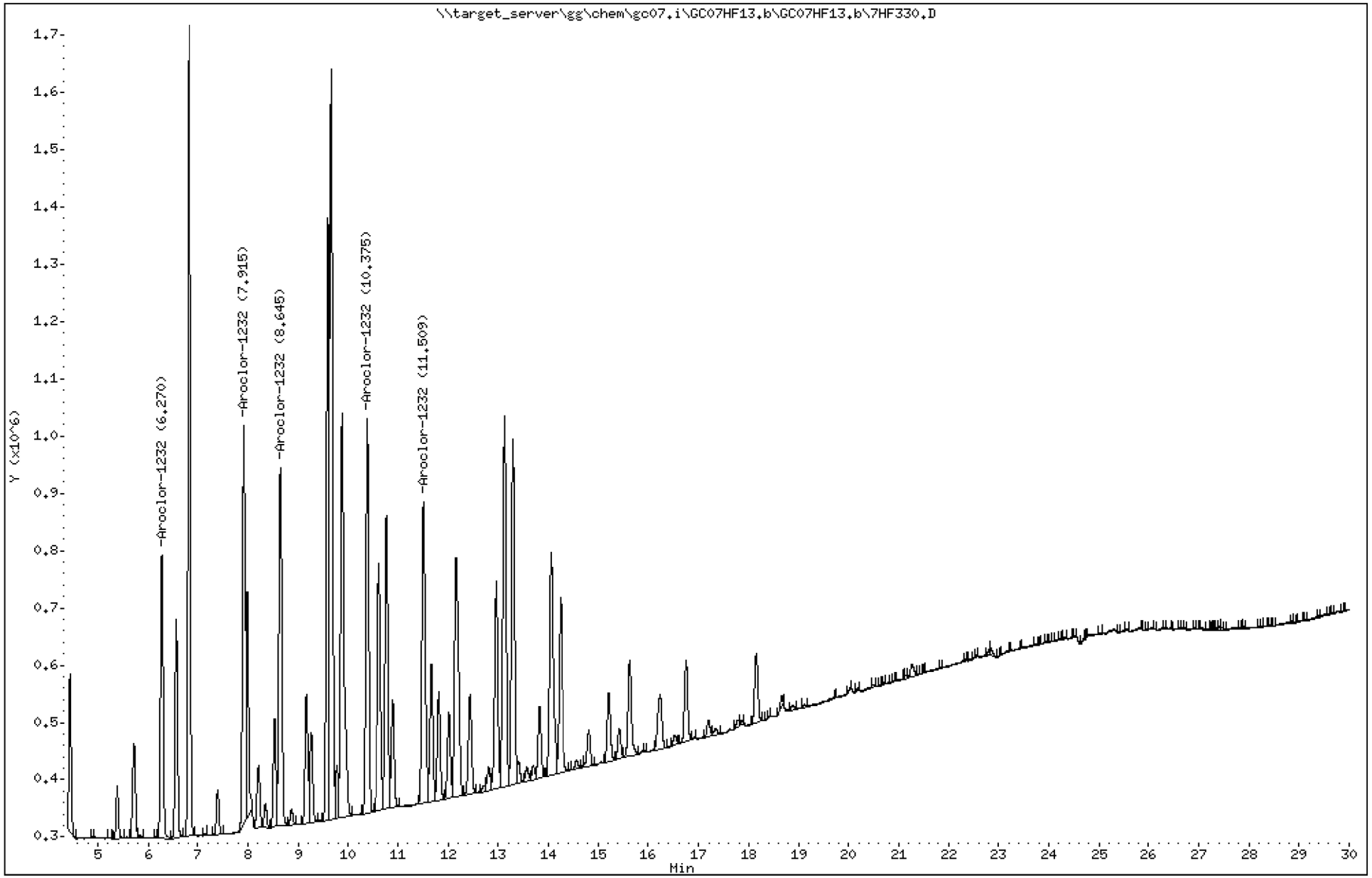
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Inj Date : 14-JUN-2014 07:12
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-54
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 08:24 Cal File: 7HF332.D
Als bottle: 29 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
4 Aroclor-1232					CAS #: 11141-16-5				
6.270	6.270	0.000	494921	1.00000	1.00	0.00-	0.00	100.00	
7.915	7.915	0.000	693855	1.00000	1.00	0.00-	0.00	140.20	
8.645	8.645	0.000	624764	1.00000	1.00	0.00-	0.00	126.24	
10.375	10.375	0.000	687954	1.00000	1.00	0.00-	0.00	139.00	
11.508	11.508	0.000	525789	1.00000	1.00	0.00-	0.00	106.24	
Average of Peak Amounts =					1.00000				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF330.D
Date : 14-JUN-2014 07:12
Client ID:
Instrument: gc07.i
Sample Info: WG144776-54
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000138

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF331.D
Report Date: 23-Jun-2014 10:28

Katahdin Analytical Services

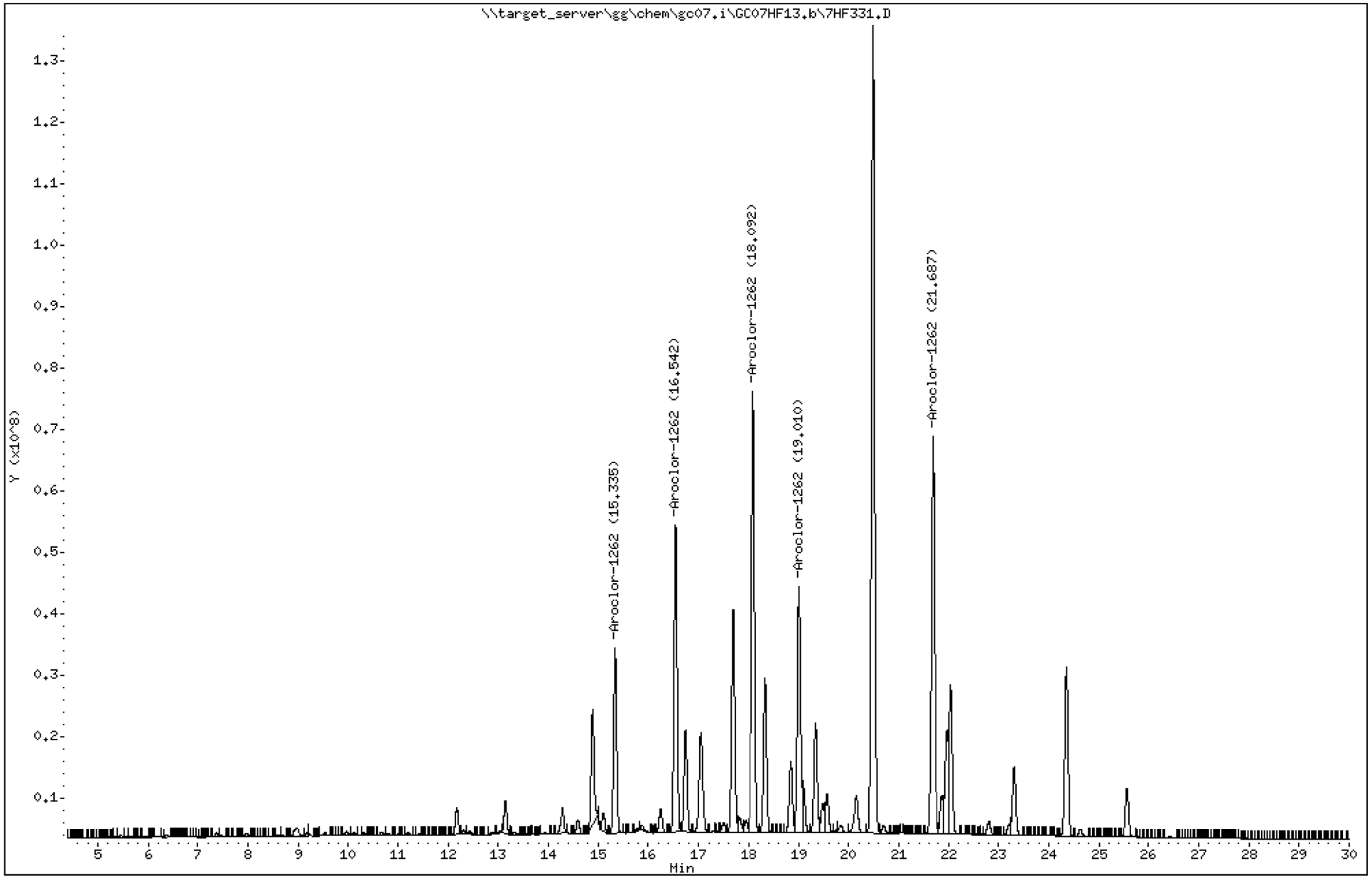
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Inj Date : 14-JUN-2014 07:48
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-55
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 30 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
10 Aroclor-1262					CAS #: 37324-23-5				
15.335	15.335	0.000	30082705	1.00000	1.00	0.00-	0.00	100.00	
16.542	16.542	0.000	49972110	1.00000	1.00	0.00-	0.00	166.12	
18.092	18.092	0.000	71661743	1.00000	1.00	0.00-	0.00	238.22	
19.010	19.010	0.000	39902133	1.00000	1.00	0.00-	0.00	132.64	
21.687	21.687	0.000	64572311	1.00000	1.00	0.00-	0.00	214.65	
		Average of Peak Amounts =			1.00000				

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Date : 14-JUN-2014 07:48
Client ID:
Instrument: gc07.i
Sample Info: WG144776-55
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000140

Data File: 7HF331.D
Report Date: 23-Jun-2014 10:27

Katahdin Analytical Services

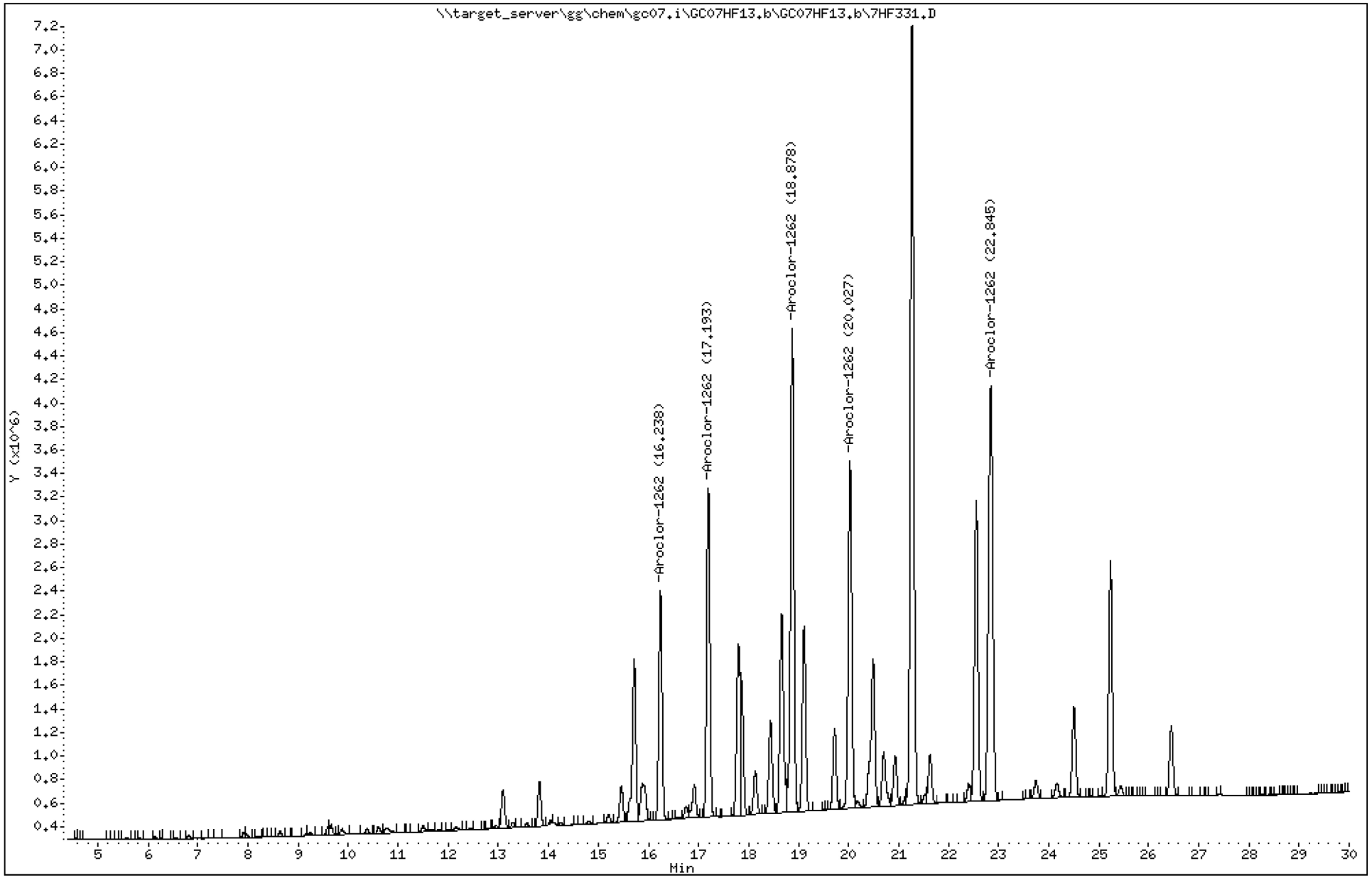
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Operator : CB Inst ID: gc07.i
Smp Info : WG144776-56
Misc Info :
Comment :
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Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 08:24 Cal File: 7HF332.D
Als bottle: 30 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
10 Aroclor-1262					CAS #: 11100-14-4				
16.238	16.238	0.000	1951761	1.00000	1.00	0.00-	0.00	100.00	
17.193	17.193	0.000	2794704	1.00000	1.00	0.00-	0.00	143.19	
18.878	18.878	0.000	4107693	1.00000	1.00	0.00-	0.00	210.46	
20.026	20.026	0.000	2952966	1.00000	1.00	0.00-	0.00	151.30	
22.845	22.845	0.000	3517352	1.00000	1.00	0.00-	0.00	180.21	
		Average of Peak Amounts =			1.00000				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF331.D
Date : 14-JUN-2014 07:48
Client ID:
Instrument: gc07.i
Sample Info: WG144776-56
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000142

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF332.D
Report Date: 23-Jun-2014 10:16

Katahdin Analytical Services

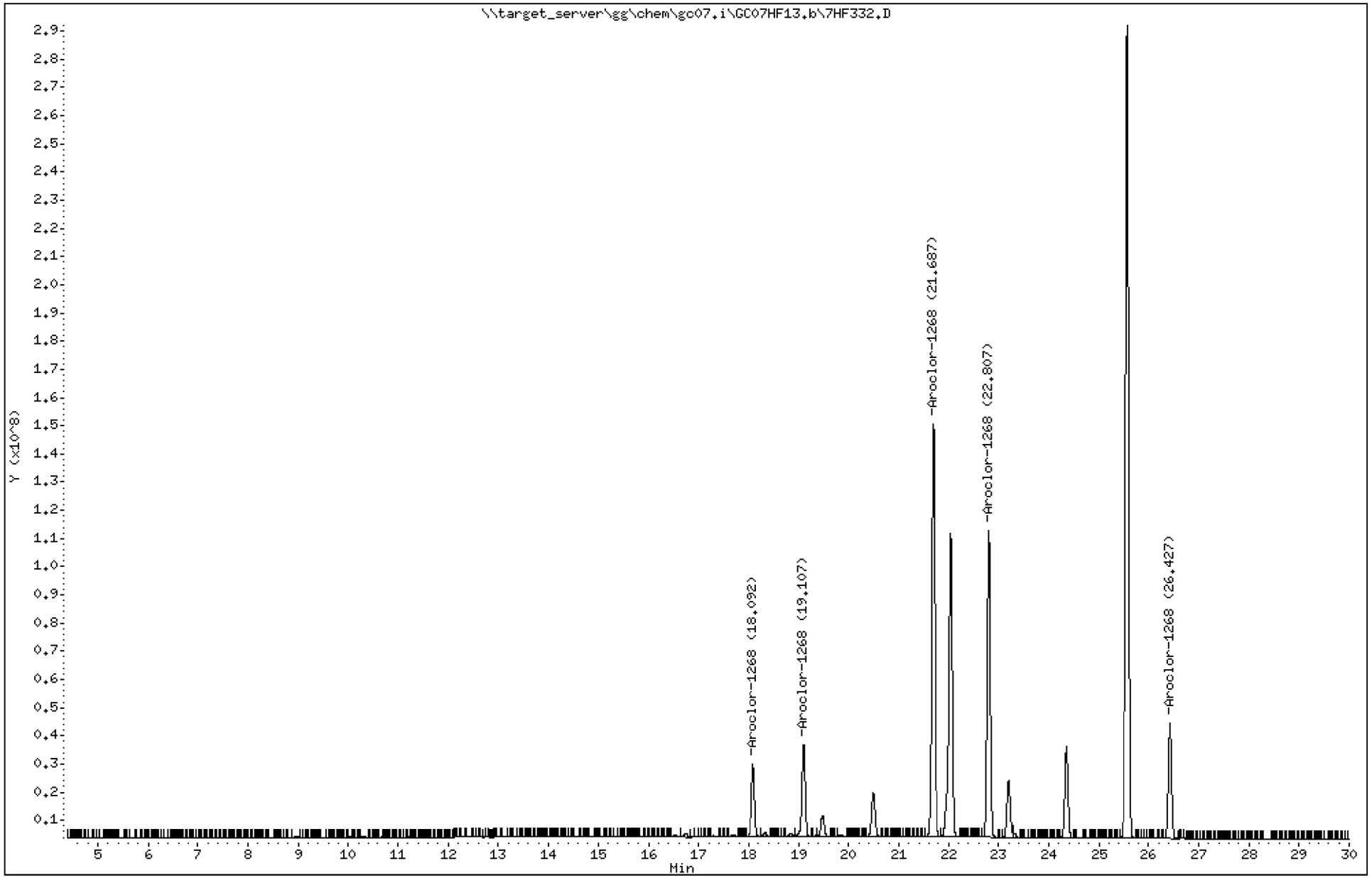
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Operator : CB Inst ID: gc07.i
Smp Info : WG144776-57
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m
Meth Date : 23-Jun-2014 09:54 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 31 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
11 Aroclor-1268					CAS #: 11100-14-4				
18.091	18.091	0.000	25463362	1.00000	1.00	0.00-	0.00	100.00	
19.106	19.106	0.000	32528426	1.00000	1.00	0.00-	0.00	127.75	
21.686	21.686	0.000	146150735	1.00000	1.00	0.00-	0.00	573.96	
22.806	22.806	0.000	108752353	1.00000	1.00	0.00-	0.00	427.09	
26.426	26.426	0.000	40806786	1.00000	1.00	0.00-	0.00	160.26	
Average of Peak Amounts =				1.00000					

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\7HF332.D
Date : 14-JUN-2014 08:24
Client ID:
Instrument: gc07.i
Sample Info: WG144776-57
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000144

Data File: 7HF332.D
Report Date: 23-Jun-2014 10:16

Katahdin Analytical Services

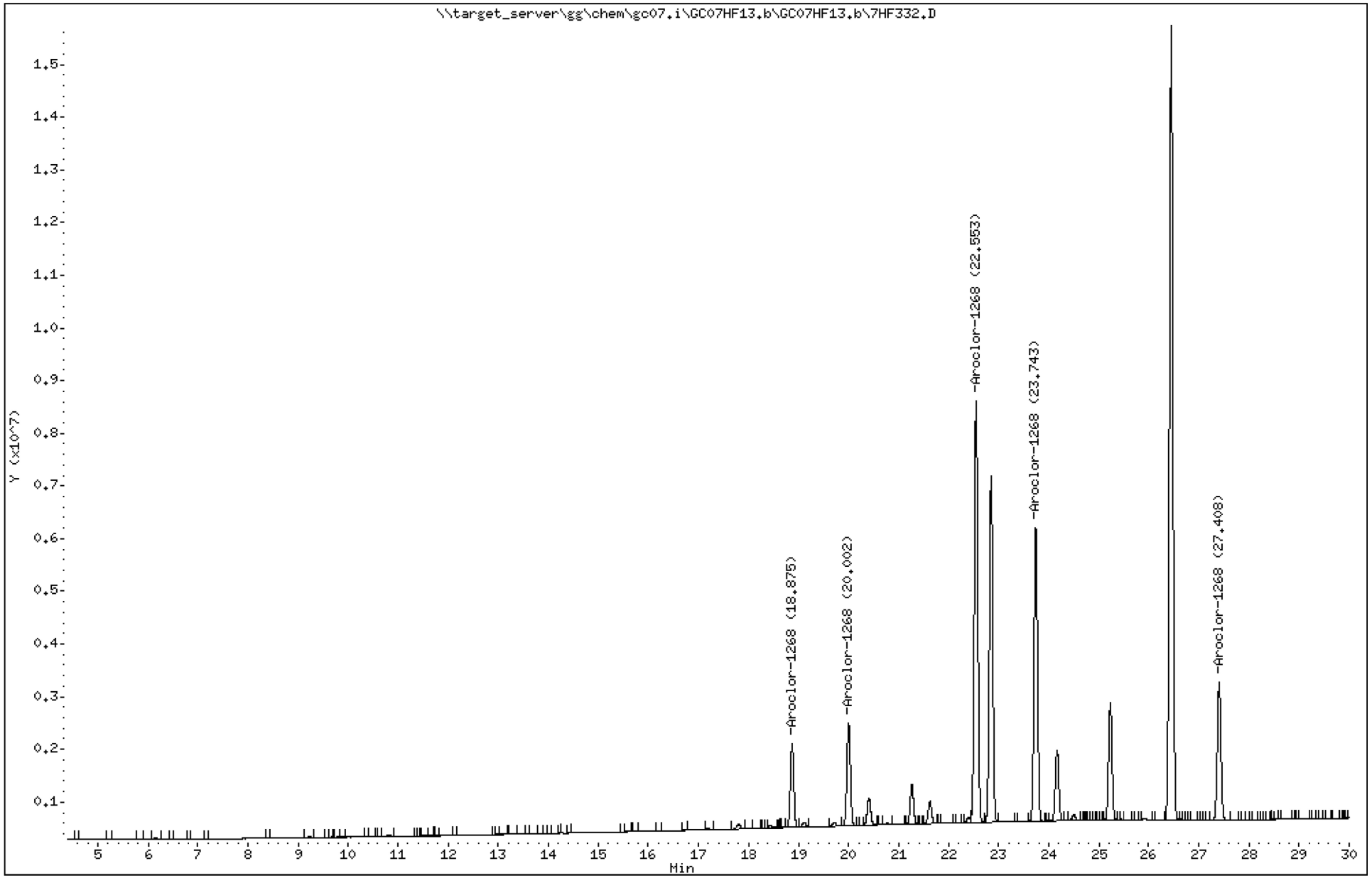
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Inj Date : 14-JUN-2014 08:24
Operator : CB Inst ID: gc07.i
Smp Info : WG144776-58
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF13.b\PCB074.m\PCB074.m
Meth Date : 18-Jun-2014 12:53 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 08:24 Cal File: 7HF332.D
Als bottle: 31 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
11 Aroclor-1268					CAS #: 37324-23-5				
18.874	18.874	0.000	1585562	1.00000	1.00	0.00-	0.00	100.00	
20.001	20.001	0.000	1957366	1.00000	1.00	0.00-	0.00	123.45	
22.553	22.553	0.000	7990989	1.00000	1.00	0.00-	0.00	503.98	
23.743	23.743	0.000	5557413	1.00000	1.00	0.00-	0.00	350.50	
27.408	27.408	0.000	2615087	1.00000	1.00	0.00-	0.00	164.93	
		Average of Peak Amounts =			1.00000				

Data File: \\target_server\gg\chem\gc07.i\GC07HF13.b\GC07HF13.b\7HF332.D
Date : 14-JUN-2014 08:24
Client ID:
Instrument: gc07.i
Sample Info: WG144776-58
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000146

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-1 **Analytical Date:** 06/30/14 10:23
Lab File ID : 7HF728.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** A

	Compound	$\overline{RRF}$/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
6	Aroclor-1016(3)	1.00000	0.97398	35489888	0.001	-2.60214	20.00000	Quadratic
6	Aroclor-1016(1)	1.00000	0.99378	17182712	0.001	-0.62181	20.00000	Quadratic
6	Aroclor-1016(5)	1.00000	0.99869	14312576	0.001	-0.13114	20.00000	Quadratic
6	Aroclor-1016(4)	1.00000	1.00399	15665206	0.001	0.39911	20.00000	Quadratic
6	Aroclor-1016(2)	1.00000	1.00957	15281417	0.001	0.95736	20.00000	Quadratic
9	Aroclor-1260(2)	1.00000	0.96272	53057342	0.001	-3.72790	20.00000	Quadratic
9	Aroclor-1260(3)	1.00000	0.97316	42287634	0.001	-2.68421	20.00000	Quadratic
9	Aroclor-1260(4)	1.00000	0.98642	23659630	0.001	-1.35776	20.00000	Quadratic
9	Aroclor-1260(1)	1.00000	0.99032	29017042	0.001	-0.96778	20.00000	Quadratic
9	Aroclor-1260(5)	1.00000	1.00108	35555463	0.001	0.10820	20.00000	Quadratic
3	Tetrachloro-m-xylene	0.02000	0.01916	953666350	0.001	-4.19720	20.00000	Quadratic
12	Decachlorobiphenyl	0.02000	0.01792	340031400	0.001	-10.39775	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF728.D
Report Date: 15-Jul-2014 15:07

Katahdin Analytical Services

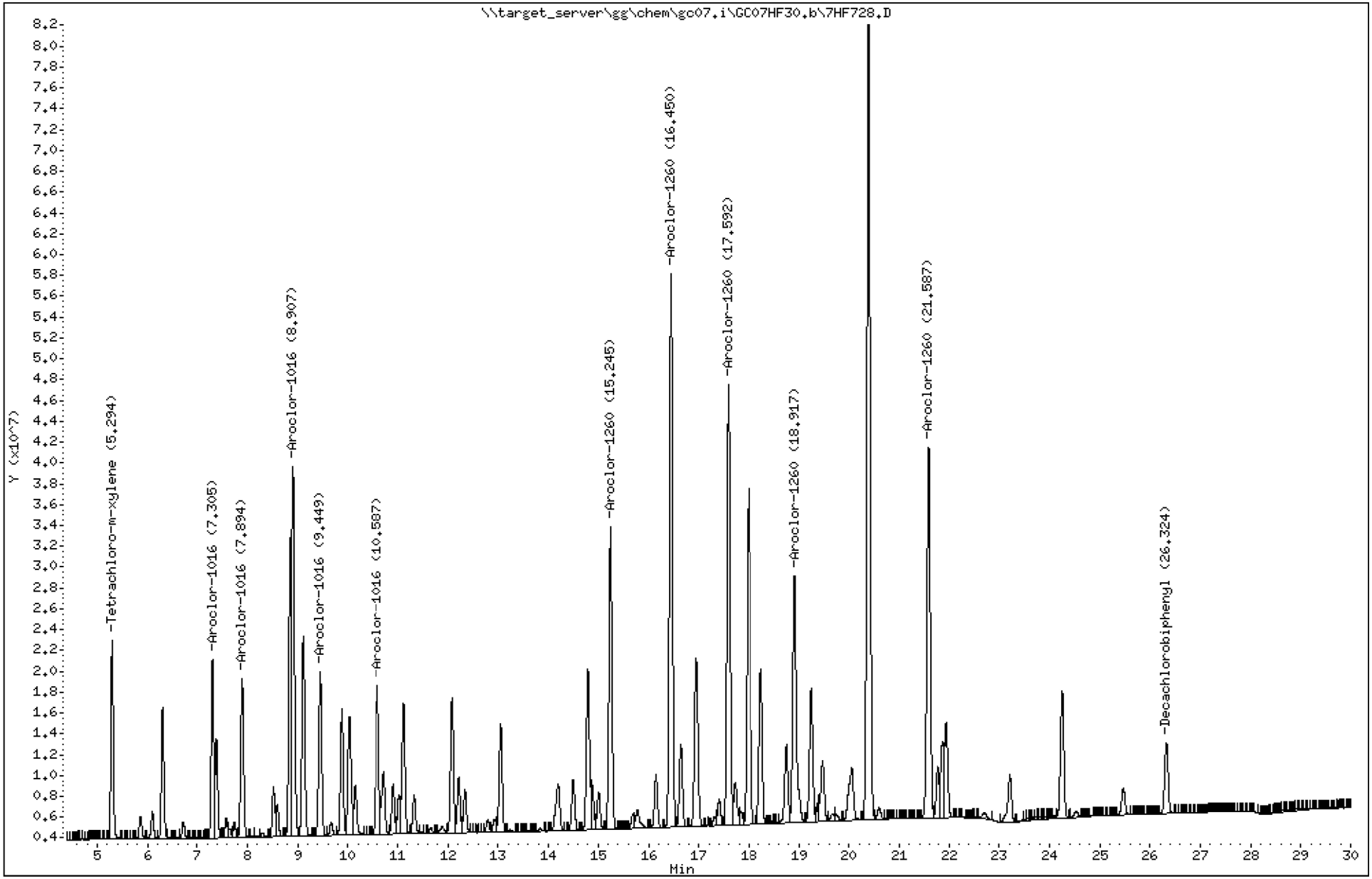
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Lab Smp Id: WG145727-1
Inj Date : 30-JUN-2014 10:23
Operator : CB Inst ID: gc07.i
Smp Info : WG145727-1,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.293	5.302	-0.009	19073327	0.02000	0.0192			
6 Aroclor-1016						CAS #: 12674-11-2		
7.305	7.316	-0.011	17182712	1.00000	0.994	80.00- 120.00	100.00	
7.893	7.907	-0.014	15281417	1.00000	1.01	158.77- 238.15	88.93	
8.906	8.919	-0.013	35489888	1.00000	0.974	296.98- 445.46	206.54	
9.448	9.464	-0.016	15665206	1.00000	1.00	114.78- 172.16	91.17	
10.586	10.604	-0.018	14312576	1.00000	0.999	112.32- 168.48	83.30	
Average of Peak Amounts =					0.99540			
9 Aroclor-1260						CAS #: 11096-82-5		
15.245	15.261	-0.016	29017042	1.00000	0.990	80.00- 120.00	100.00	
16.450	16.467	-0.017	53057342	1.00000	0.963	94.69- 142.03	182.85	
17.591	17.614	-0.023	42287634	1.00000	0.973	89.28- 133.92	145.73	
18.916	18.931	-0.015	23659630	1.00000	0.986	72.48- 108.72	81.54	
21.586	21.602	-0.016	35555463	1.00000	1.00	0.00- 0.00	122.53	
Average of Peak Amounts =					0.98240			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
26.323	26.356	-0.033	6800628	0.02000	0.0179			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF728.D
Date : 30-JUN-2014 10:23
Client ID:
Instrument: gc07.i
Sample Info: WG145727-1,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000149

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-2 **Analytical Date:** 06/30/14 10:23
Lab File ID : 7HF728.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** B

	Compound	RRF/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
5	Aroclor-1016(4)	1.00000	0.94120	1150988	0.001	-5.87970	20.00000	Quadratic
5	Aroclor-1016(3)	1.00000	0.94165	2218159	0.001	-5.83457	20.00000	Quadratic
5	Aroclor-1016(2)	1.00000	0.95027	1033894	0.001	-4.97301	20.00000	Quadratic
5	Aroclor-1016(5)	1.00000	0.95333	977631	0.001	-4.66734	20.00000	Quadratic
5	Aroclor-1016(1)	1.00000	0.96659	1175621	0.001	-3.34064	20.00000	Quadratic
9	Aroclor-1260(2)	1.00000	0.89917	2755221	0.001	-10.08288	20.00000	Quadratic
9	Aroclor-1260(3)	1.00000	0.90836	2370611	0.001	-9.16384	20.00000	Quadratic
9	Aroclor-1260(4)	1.00000	0.91048	1748857	0.001	-8.95162	20.00000	Quadratic
9	Aroclor-1260(1)	1.00000	0.92980	1876809	0.001	-7.01956	20.00000	Quadratic
9	Aroclor-1260(5)	1.00000	0.94069	2339788	0.001	-5.93064	20.00000	Quadratic
2	Tetrachloro-m-xylene	0.02000	0.01809	63383550	0.001	-9.56792	20.00000	Quadratic
12	Decachlorobiphenyl	0.02000	0.01823	27356350	0.001	-8.84529	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: 7HF728.D
Report Date: 15-Jul-2014 15:07

Katahdin Analytical Services

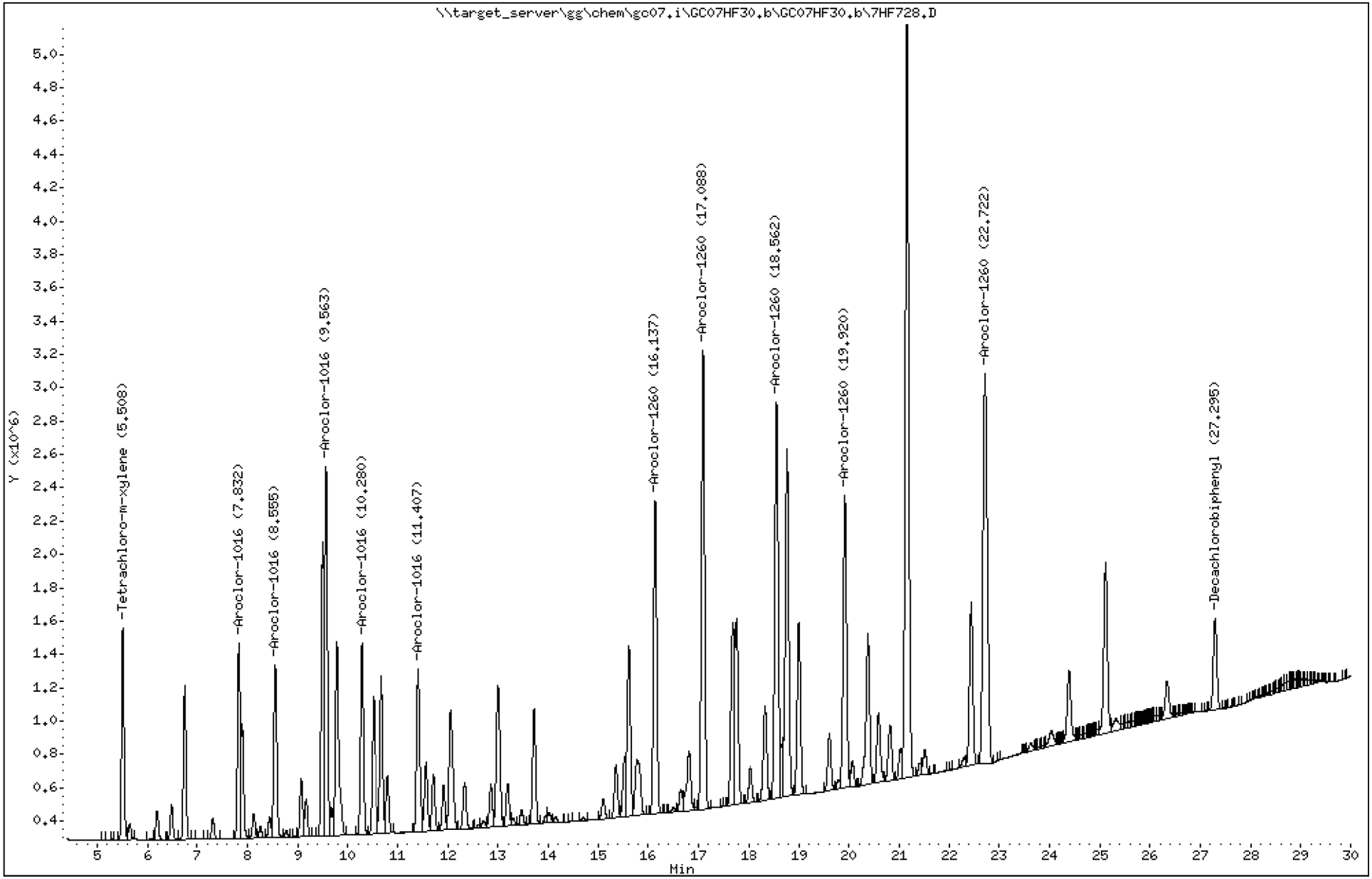
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Lab Smp Id: WG145727-2
Inj Date : 30-JUN-2014 10:23
Operator : AC Inst ID: gc07.i
Smp Info : WG145727-2,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.508	5.519	-0.011	1267671	0.02000	0.0181				
5 Aroclor-1016						CAS #: 12674-11-2			
7.831	7.844	-0.013	1175621	1.00000	0.966	80.00-	120.00	100.00	
8.554	8.569	-0.015	1033894	1.00000	0.950	158.77-	238.15	87.94	
9.563	9.580	-0.017	2218159	1.00000	0.942	296.98-	445.46	188.68	
10.279	10.297	-0.018	1150988	1.00000	0.941	114.78-	172.17	97.90	
11.406	11.425	-0.019	977631	1.00000	0.953	112.32-	168.48	83.16	
Average of Peak Amounts =					0.95040				
9 Aroclor-1260						CAS #: 11096-82-5			
16.136	16.152	-0.016	1876809	1.00000	0.930	80.00-	120.00	100.00	
17.088	17.107	-0.019	2755221	1.00000	0.899	94.69-	142.03	146.80	
18.561	18.582	-0.021	2370611	1.00000	0.908	89.28-	133.92	126.31	
19.919	19.944	-0.025	1748857	1.00000	0.910	72.48-	108.72	93.18	
22.721	22.739	-0.018	2339788	1.00000	0.941	0.00-	0.00	124.67	
Average of Peak Amounts =					0.91760				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
27.294	27.312	-0.018	547127	0.02000	0.0182				

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF728.D
Date : 30-JUN-2014 10:23
Client ID:
Instrument: gc07.i
Sample Info: WG145727-2,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000152

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-5 **Analytical Date:** 06/30/14 19:28
Lab File ID : 7HF741.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** A

	Compound	$\overline{RRF}$/Amount	RF0.250	CCAL RRF0.250	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
6	Aroclor-1016(1)	0.25000	0.25310	18438536	0.001	1.24046	20.00000	Quadratic	
6	Aroclor-1016(4)	0.25000	0.25426	16621720	0.001	1.70394	20.00000	Quadratic	
6	Aroclor-1016(3)	0.25000	0.25715	36888864	0.001	2.86014	20.00000	Quadratic	
6	Aroclor-1016(2)	0.25000	0.25730	15774792	0.001	2.92097	20.00000	Quadratic	
6	Aroclor-1016(5)	0.25000	0.26246	15766236	0.001	4.98595	20.00000	Quadratic	
9	Aroclor-1260(1)	0.25000	0.27461	31377924	0.001	9.84466	20.00000	Quadratic	
9	Aroclor-1260(3)	0.25000	0.28196	47524896	0.001	12.78355	20.00000	Quadratic	
9	Aroclor-1260(2)	0.25000	0.28292	59331976	0.001	13.16988	20.00000	Quadratic	
9	Aroclor-1260(5)	0.25000	0.29914	40014756	0.001	19.65548	20.00000	Quadratic	
9	Aroclor-1260(4)	0.25000	0.30152	27534212	0.001	20.60770	20.00000	Quadratic	*
3	Tetrachloro-m-xylene	0.00500	0.00470	1.018e+09	0.001	-5.90013	20.00000	Quadratic	
12	Decachlorobiphenyl	0.00500	0.00534	419322400	0.001	6.89784	20.00000	Quadratic	

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF741.D
Report Date: 15-Jul-2014 15:07

Katahdin Analytical Services

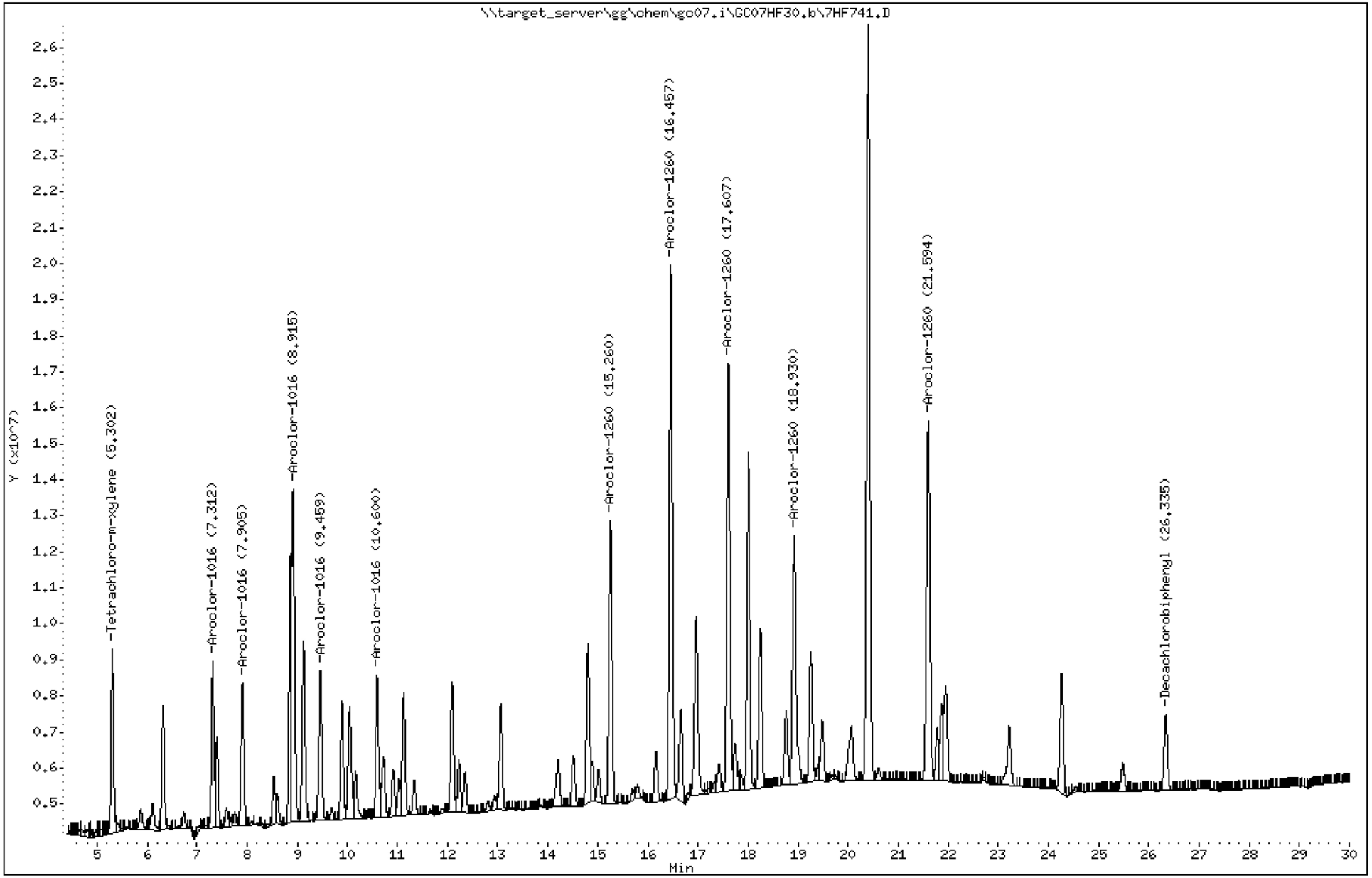
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Lab Smp Id: WG145727-5
Inj Date : 30-JUN-2014 19:28
Operator : CB Inst ID: gc07.i
Smp Info : WG145727-5,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.301	5.302	-0.001	5090329	0.02000	0.00470				
6 Aroclor-1016						CAS #: 12674-11-2			
7.311	7.316	-0.005	4609634	1.00000	0.253	80.00-	120.00	100.00	
7.905	7.907	-0.002	3943698	1.00000	0.257	158.77-	238.15	85.55	
8.915	8.919	-0.004	9222216	1.00000	0.257	296.98-	445.46	200.06	
9.458	9.464	-0.006	4155430	1.00000	0.254	114.78-	172.16	90.15	
10.600	10.604	-0.004	3941559	1.00000	0.262	112.32-	168.48	85.51	
		Average of Peak Amounts =			0.25660				
9 Aroclor-1260						CAS #: 11096-82-5			
15.260	15.261	-0.001	7844481	1.00000	0.275	80.00-	120.00	100.00	
16.456	16.467	-0.011	14832994	1.00000	0.283	94.69-	142.03	189.09	
17.606	17.614	-0.008	11881224	1.00000	0.282	89.28-	133.92	151.46	
18.930	18.931	-0.001	6883553	1.00000	0.302	72.48-	108.72	87.75	
21.593	21.602	-0.009	10003689	1.00000	0.299	0.00-	0.00	127.53	
		Average of Peak Amounts =			0.28820				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
26.335	26.356	-0.021	2096612	0.02000	0.00534				

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF741.D
Date : 30-JUN-2014 19:28
Client ID:
Instrument: gc07.i
Sample Info: WG145727-5,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000155

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-6 **Analytical Date:** 06/30/14 19:28
Lab File ID : 7HF741.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** B

	Compound	$\overline{RRF}$/Amount	RF0.250	CCAL RRF0.250	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
5	Aroclor-1016(4)	0.25000	0.23421	1313612	0.001	-6.31599	20.00000	Quadratic
5	Aroclor-1016(3)	0.25000	0.23426	2450520	0.001	-6.29721	20.00000	Quadratic
5	Aroclor-1016(2)	0.25000	0.23931	1210956	0.001	-4.27706	20.00000	Quadratic
5	Aroclor-1016(5)	0.25000	0.23937	1120460	0.001	-4.25194	20.00000	Quadratic
5	Aroclor-1016(1)	0.25000	0.23995	1366496	0.001	-4.01824	20.00000	Quadratic
9	Aroclor-1260(2)	0.25000	0.22540	3032012	0.001	-9.83914	20.00000	Quadratic
9	Aroclor-1260(3)	0.25000	0.23028	2653760	0.001	-7.88716	20.00000	Quadratic
9	Aroclor-1260(4)	0.25000	0.23677	1974420	0.001	-5.29260	20.00000	Quadratic
9	Aroclor-1260(1)	0.25000	0.24030	2171708	0.001	-3.88181	20.00000	Quadratic
9	Aroclor-1260(5)	0.25000	0.24626	2696676	0.001	-1.49743	20.00000	Quadratic
2	Tetrachloro-m-xylene	0.00500	0.00432	67656400	0.001	-13.50855	20.00000	Quadratic
12	Decachlorobiphenyl	0.00500	0.00490	31762600	0.001	-2.09284	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: 7HF741.D
Report Date: 15-Jul-2014 15:07

Katahdin Analytical Services

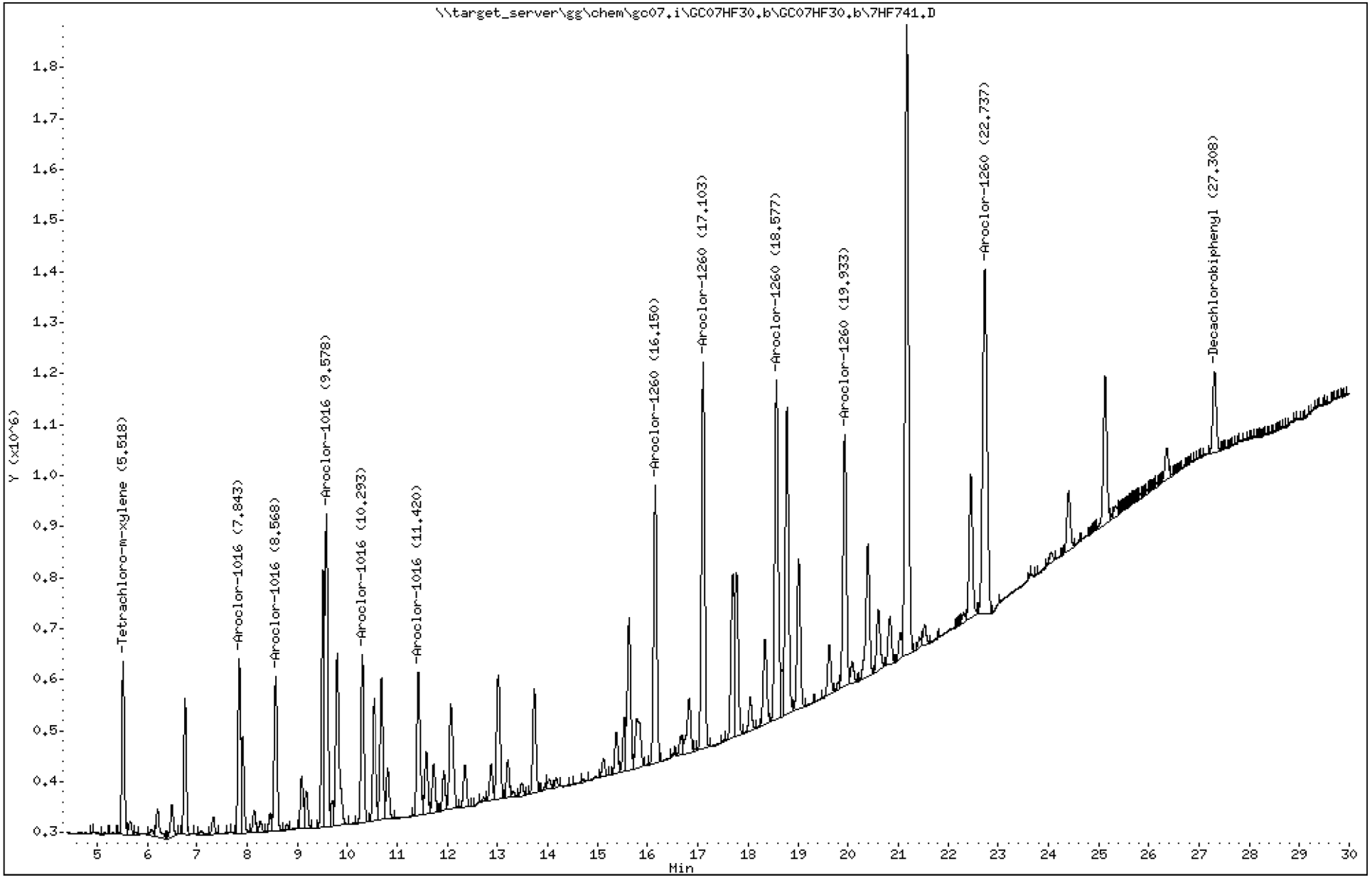
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Lab Smp Id: WG145727-6
Inj Date : 30-JUN-2014 19:28
Operator : CB Inst ID: gc07.i
Smp Info : WG145727-6,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.518	5.519	-0.001	338282	0.02000	0.00432				
5 Aroclor-1016						CAS #: 12674-11-2			
7.843	7.844	-0.001	341624	1.00000	0.240	80.00-	120.00	100.00	
8.568	8.569	-0.001	302739	1.00000	0.239	158.77-	238.15	88.62	
9.578	9.580	-0.002	612630	1.00000	0.234	296.98-	445.46	179.33	
10.293	10.297	-0.004	328403	1.00000	0.234	114.78-	172.17	96.13	
11.419	11.425	-0.006	280115	1.00000	0.239	112.32-	168.48	82.00	
	Average of Peak Amounts =				0.23720				
9 Aroclor-1260						CAS #: 11096-82-5			
16.149	16.152	-0.003	542927	1.00000	0.240	80.00-	120.00	100.00	
17.103	17.107	-0.004	758003	1.00000	0.225	94.69-	142.03	139.61	
18.576	18.582	-0.006	663440	1.00000	0.230	89.28-	133.92	122.20	
19.933	19.944	-0.011	493605	1.00000	0.237	72.48-	108.72	90.92	
22.736	22.739	-0.003	674169	1.00000	0.246	0.00-	0.00	124.17	
	Average of Peak Amounts =				0.23560				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
27.308	27.312	-0.004	158813	0.02000	0.00490				

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF741.D
Date : 30-JUN-2014 19:28
Client ID:
Instrument: gc07.i
Sample Info: WG145727-6,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000158

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-7 **Analytical Date:** 06/30/14 20:40
Lab File ID : 7HF743.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** A

Compound	$\overline{RRF}$/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
8 Aroclor-1254(4)	1.00000	0.85879	38169562	0.001	-14.12103	20.00000	Quadratic
8 Aroclor-1254(3)	1.00000	0.89211	23960194	0.001	-10.78916	20.00000	Quadratic
8 Aroclor-1254(5)	1.00000	0.90157	38127215	0.001	-9.84305	20.00000	Quadratic
8 Aroclor-1254(2)	1.00000	0.91081	33899226	0.001	-8.91889	20.00000	Quadratic
8 Aroclor-1254(1)	1.00000	0.92657	28091171	0.001	-7.34287	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF743.D
Report Date: 15-Jul-2014 15:41

Katahdin Analytical Services

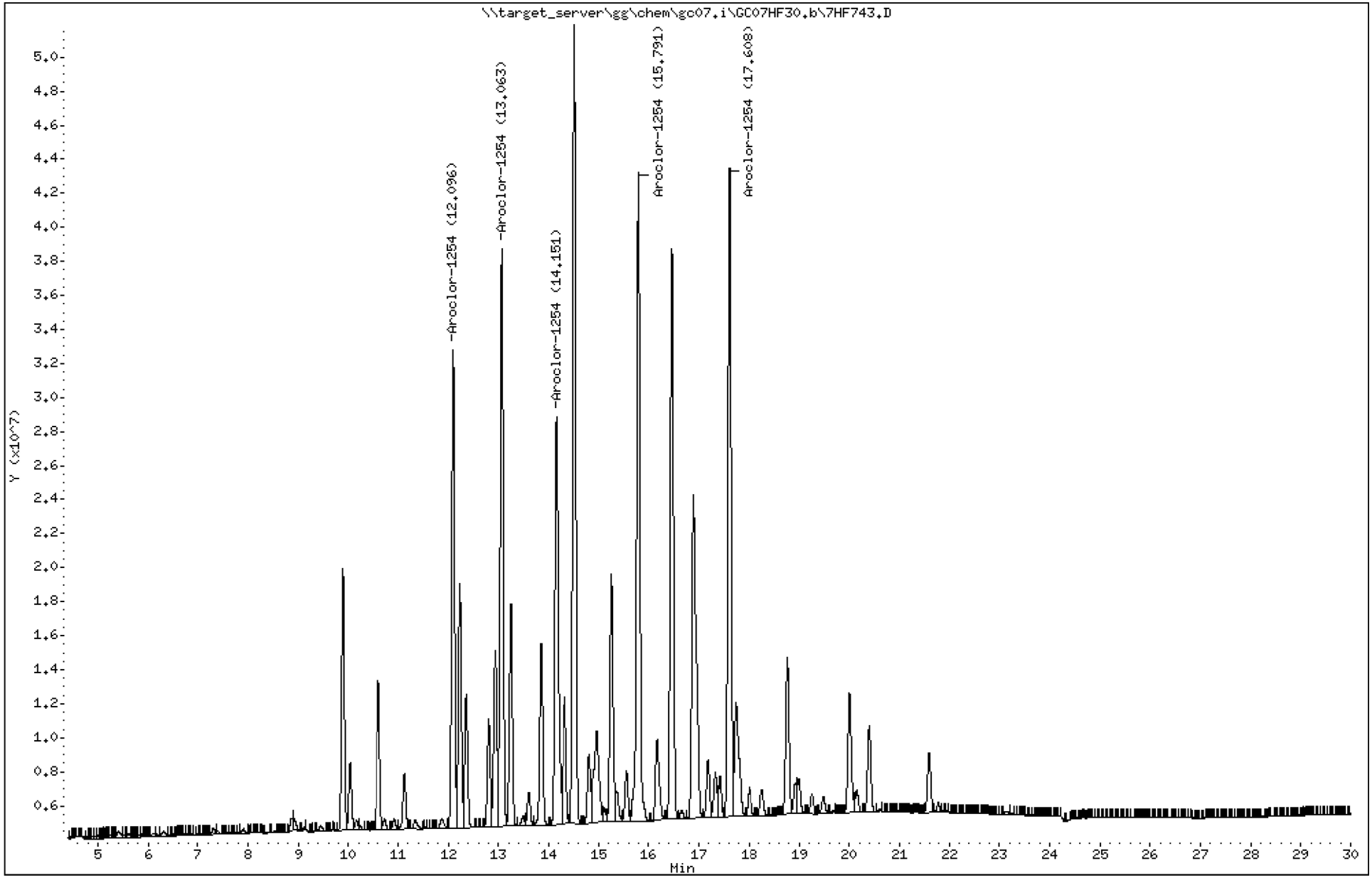
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Lab Smp Id: WG145727-7
Inj Date : 30-JUN-2014 20:40
Operator : CB Inst ID: gc07.i
Smp Info : WG145727-7,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
12.096	12.097	-0.001	28091171	1.00000	0.926	80.00- 120.00	100.00	
13.062	13.064	-0.002	33899226	1.00000	0.911	80.00- 120.00	120.68	
14.151	14.156	-0.005	23960194	1.00000	0.892	80.00- 120.00	85.29	
15.791	15.796	-0.005	38169562	1.00000	0.859	80.00- 120.00	135.88	
17.607	17.612	-0.005	38127215	1.00000	0.902	0.00- 0.00	135.73	
		Average of Peak Amounts =			0.89800			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF743.D
Date : 30-JUN-2014 20:40
Client ID:
Instrument: gc07.i
Sample Info: WG145727-7,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000161

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-8 **Analytical Date:** 06/30/14 20:40
Lab File ID : 7HF743.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** B

Compound	$\overline{RRF}$/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
8 Aroclor-1254(4)	1.00000	0.87777	2336791	0.001	-12.22269	20.00000	Quadratic
8 Aroclor-1254(3)	1.00000	0.88438	1544359	0.001	-11.56209	20.00000	Quadratic
8 Aroclor-1254(5)	1.00000	0.88888	2287839	0.001	-11.11150	20.00000	Quadratic
8 Aroclor-1254(1)	1.00000	0.89200	1985364	0.001	-10.80027	20.00000	Quadratic
8 Aroclor-1254(2)	1.00000	0.89816	2058549	0.001	-10.18406	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: 7HF743.D
Report Date: 15-Jul-2014 15:41

Katahdin Analytical Services

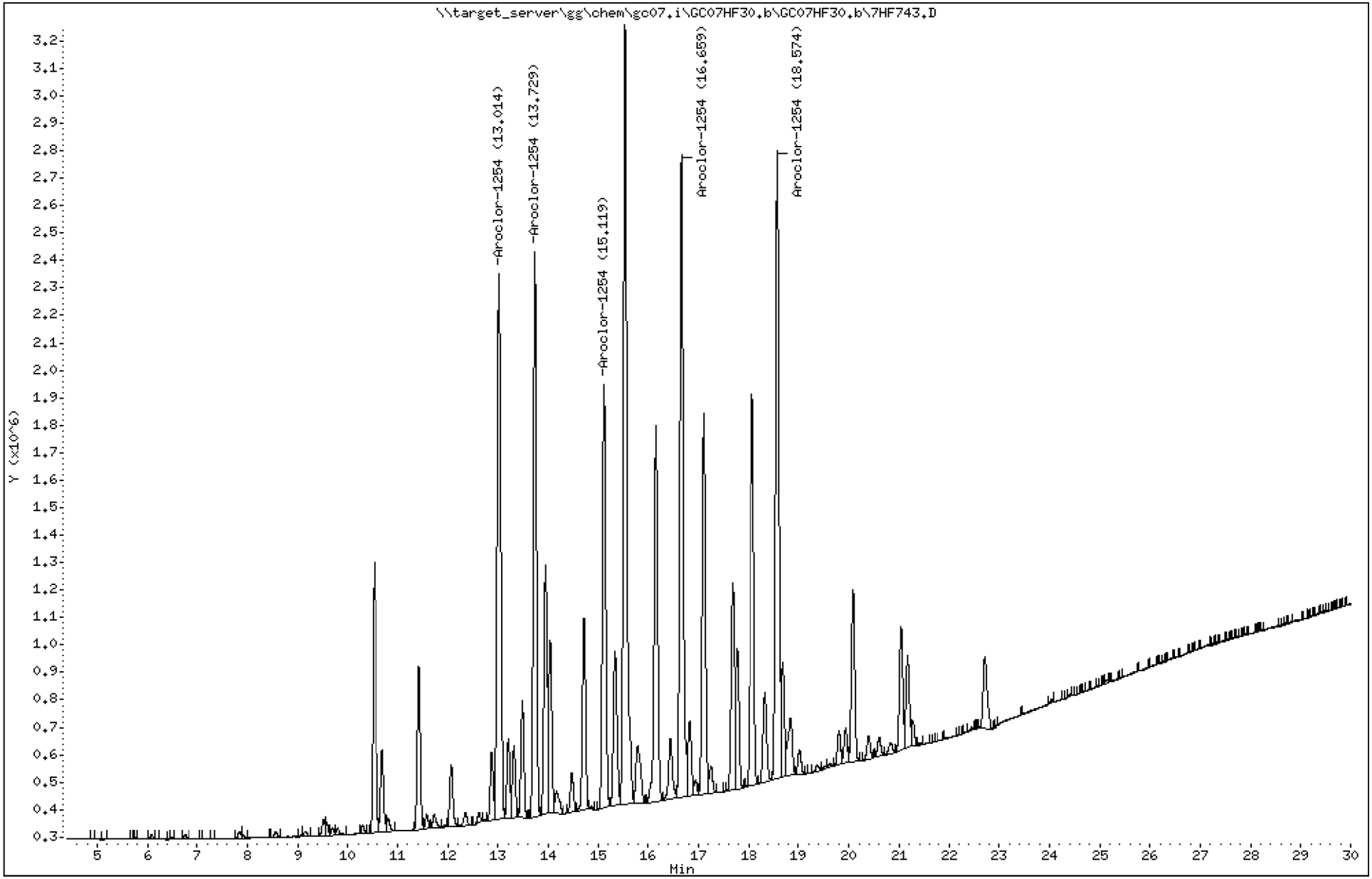
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Lab Smp Id: WG145727-8
Inj Date : 30-JUN-2014 20:40
Operator : CB Inst ID: gc07.i
Smp Info : WG145727-8,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE	
8 Aroclor-1254					CAS #: 11097-69-1				
13.014	13.015	-0.001	1985364	1.00000	0.892	80.00- 120.00	100.00		
13.729	13.734	-0.005	2058549	1.00000	0.898	80.00- 120.00	103.69		
15.119	15.124	-0.005	1544359	1.00000	0.884	80.00- 120.00	77.79		
16.659	16.662	-0.003	2336791	1.00000	0.878	80.00- 120.00	117.70		
18.574	18.579	-0.005	2287839	1.00000	0.889	80.00- 120.00	115.24		
Average of Peak Amounts =					0.88820				

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF743.D
Date : 30-JUN-2014 20:40
Client ID:
Instrument: gc07.i
Sample Info: WG145727-8,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000164

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-9 **Analytical Date:** 07/01/14 03:17
Lab File ID : 7HF754.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** A

	Compound	$\overline{RRF}$/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
6	Aroclor-1016(2)	1.00000	1.08767	16428690	0.001	8.76684	20.00000	Quadratic	
6	Aroclor-1016(1)	1.00000	1.09364	18831316	0.001	9.36372	20.00000	Quadratic	
6	Aroclor-1016(3)	1.00000	1.11144	40600508	0.001	11.14389	20.00000	Quadratic	
6	Aroclor-1016(4)	1.00000	1.11930	17446780	0.001	11.92981	20.00000	Quadratic	
6	Aroclor-1016(5)	1.00000	1.13436	16235552	0.001	13.43579	20.00000	Quadratic	
9	Aroclor-1260(1)	1.00000	1.17407	34554531	0.001	17.40740	20.00000	Quadratic	
9	Aroclor-1260(2)	1.00000	1.20046	66581634	0.001	20.04554	20.00000	Quadratic	*
9	Aroclor-1260(3)	1.00000	1.22621	53675998	0.001	22.62127	20.00000	Quadratic	*
9	Aroclor-1260(4)	1.00000	1.23692	29902401	0.001	23.69249	20.00000	Quadratic	*
9	Aroclor-1260(5)	1.00000	1.27221	45677488	0.001	27.22131	20.00000	Quadratic	*
3	Tetrachloro-m-xylene	0.02000	0.02118	1.049e+09	0.001	5.89537	20.00000	Quadratic	
12	Decachlorobiphenyl	0.02000	0.02428	460518500	0.001	21.39700	20.00000	Quadratic	*

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF754.D
Report Date: 15-Jul-2014 15:08

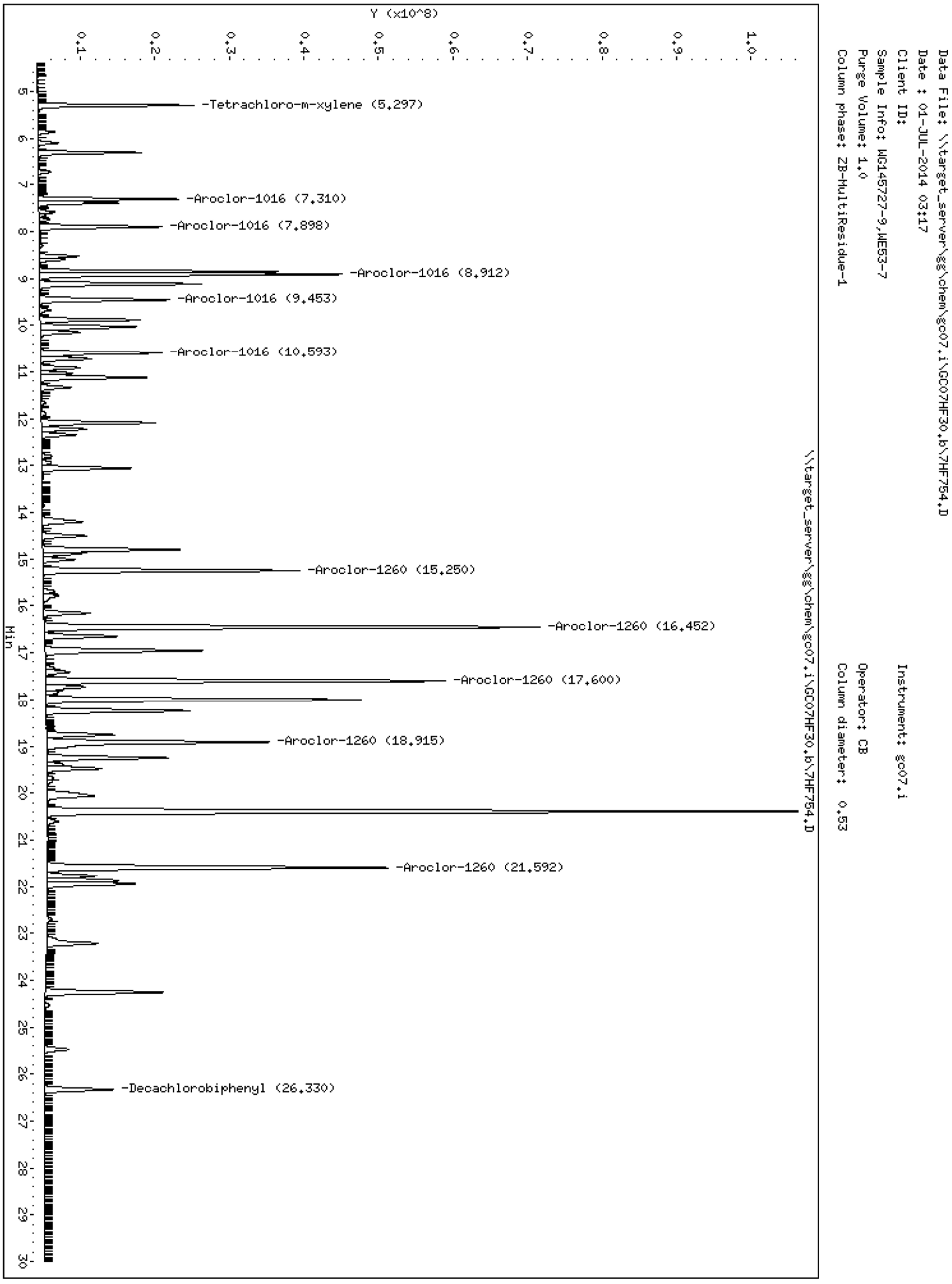
Katahdin Analytical Services

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Inj Date : 01-JUL-2014 03:17
Operator : CB Inst ID: gc07.i
Smp Info : WG145727-9,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.296	5.302	-0.006	20985112	0.02000	0.0212				
6 Aroclor-1016						CAS #: 12674-11-2			
7.309	7.316	-0.007	18831316	1.00000	1.09	80.00-	120.00	100.00	
7.898	7.907	-0.009	16428690	1.00000	1.09	158.77-	238.15	87.24	
8.911	8.919	-0.008	40600508	1.00000	1.11	296.98-	445.46	215.60	
9.453	9.464	-0.011	17446780	1.00000	1.12	114.78-	172.16	92.65	
10.593	10.604	-0.011	16235552	1.00000	1.13	112.32-	168.48	86.22	
Average of Peak Amounts =					1.10800				
9 Aroclor-1260						CAS #: 11096-82-5			
15.249	15.261	-0.012	34554531	1.00000	1.17	80.00-	120.00	100.00	
16.451	16.467	-0.016	66581634	1.00000	1.20	94.69-	142.03	192.69	
17.599	17.614	-0.015	53675998	1.00000	1.23	89.28-	133.92	155.34	
18.914	18.931	-0.017	29902401	1.00000	1.24	72.48-	108.72	86.54	
21.591	21.602	-0.011	45677488	1.00000	1.27	0.00-	0.00	132.19	
Average of Peak Amounts =					1.22200				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
26.329	26.356	-0.027	9210370	0.02000	0.0243				


Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF754.D
Date : 01-JUL-2014 03:17
Client ID:
Sample Info: WG145727-9,WE53-7
Purge Volume: 1.0
Column phase: ZB-MultiResidue-1
Instrument: gc07.i
Operator: CB
Column diameter: 0.53
\\target_server\gg\chem\gc07.i\GC07HF30.b\7HF754.D
Y (x10^8)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
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0.9
1.0
Min
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29
30
-Tetrachloro-m-xylene (5.297)
-Aroclor-1016 (7.310)
-Aroclor-1016 (7.898)
-Aroclor-1016 (8.912)
-Aroclor-1016 (9.453)
-Aroclor-1016 (10.593)
-Aroclor-1260 (15.250)
-Aroclor-1260 (16.452)
-Aroclor-1260 (17.600)
-Aroclor-1260 (18.915)
-Aroclor-1260 (21.592)
-Decachlorobiphenyl (26.330)

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-10 **Analytical Date:** 07/01/14 03:17
Lab File ID : 7HF754.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** B

	Compound	$\overline{\text{RRF}}$/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
5	Aroclor-1016(3)	1.00000	1.01783	2389741	0.001	1.78310	20.00000	Quadratic
5	Aroclor-1016(4)	1.00000	1.02092	1243225	0.001	2.09199	20.00000	Quadratic
5	Aroclor-1016(2)	1.00000	1.02753	1112356	0.001	2.75342	20.00000	Quadratic
5	Aroclor-1016(5)	1.00000	1.04120	1063079	0.001	4.11988	20.00000	Quadratic
5	Aroclor-1016(1)	1.00000	1.04314	1262484	0.001	4.31433	20.00000	Quadratic
9	Aroclor-1260(2)	1.00000	0.98662	3013002	0.001	-1.33816	20.00000	Quadratic
9	Aroclor-1260(1)	1.00000	1.03109	2072567	0.001	3.10907	20.00000	Quadratic
9	Aroclor-1260(4)	1.00000	1.04227	1993915	0.001	4.22702	20.00000	Quadratic
9	Aroclor-1260(3)	1.00000	1.05759	2745692	0.001	5.75879	20.00000	Quadratic
9	Aroclor-1260(5)	1.00000	1.08016	2674249	0.001	8.01567	20.00000	Quadratic
2	Tetrachloro-m-xylene	0.02000	0.01960	68501550	0.001	-1.99317	20.00000	Quadratic
12	Decachlorobiphenyl	0.02000	0.02183	32583150	0.001	9.13538	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: 7HF754.D
Report Date: 15-Jul-2014 15:07

Katahdin Analytical Services

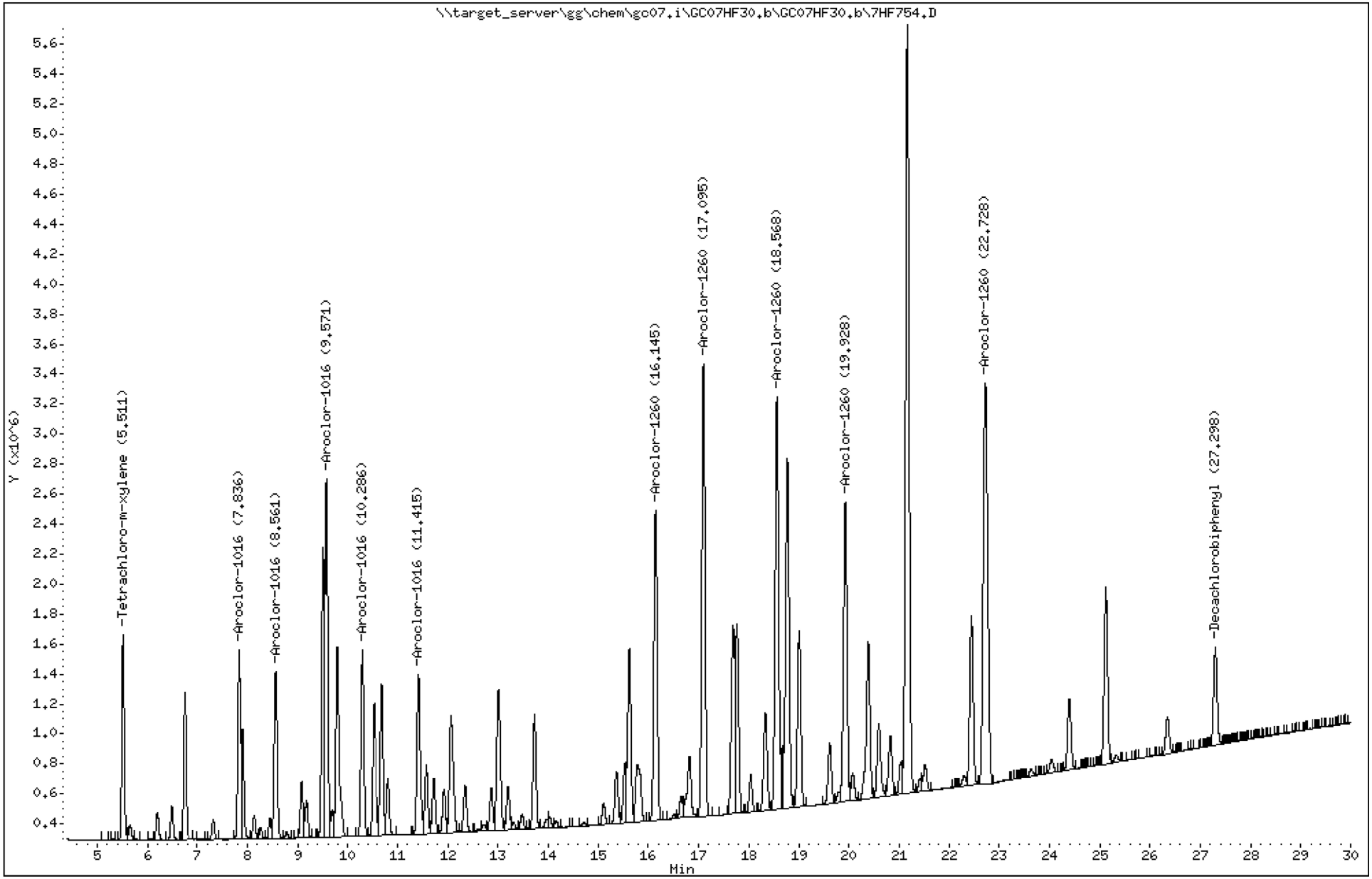
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Lab Smp Id: WG145727-10
Inj Date : 01-JUL-2014 03:17
Operator : CB Inst ID: gc07.i
Smp Info : WG145727-10,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.511	5.519	-0.008	1370031	0.02000	0.0196			
5 Aroclor-1016					CAS #: 12674-11-2			
7.836	7.844	-0.008	1262484	1.00000	1.04	80.00- 120.00	100.00	
8.561	8.569	-0.008	1112356	1.00000	1.03	158.77- 238.15	88.11	
9.571	9.580	-0.009	2389741	1.00000	1.02	296.98- 445.46	189.29	
10.286	10.297	-0.011	1243225	1.00000	1.02	114.78- 172.17	98.47	
11.414	11.425	-0.011	1063079	1.00000	1.04	112.32- 168.48	84.21	
Average of Peak Amounts =					1.03000			
9 Aroclor-1260					CAS #: 11096-82-5			
16.144	16.152	-0.008	2072567	1.00000	1.03	80.00- 120.00	100.00	
17.094	17.107	-0.013	3013002	1.00000	0.987	94.69- 142.03	145.38	
18.567	18.582	-0.015	2745692	1.00000	1.06	89.28- 133.92	132.48	
19.927	19.944	-0.017	1993915	1.00000	1.04	72.48- 108.72	96.21	
22.727	22.739	-0.012	2674249	1.00000	1.08	0.00- 0.00	129.03	
Average of Peak Amounts =					1.03940			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
27.297	27.312	-0.015	651663	0.02000	0.0218			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF754.D
Date : 01-JUL-2014 03:17
Client ID:
Instrument: gc07.i
Sample Info: WG145727-10,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000170

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-11 **Analytical Date:** 07/01/14 04:30
Lab File ID : 7HF756.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** A

Compound	$\overline{RRF}$/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
8 Aroclor-1254(4)	1.00000	0.88605	39441109	0.001	-11.39490	20.00000	Quadratic
8 Aroclor-1254(3)	1.00000	0.91486	24589495	0.001	-8.51383	20.00000	Quadratic
8 Aroclor-1254(2)	1.00000	0.92736	34536626	0.001	-7.26449	20.00000	Quadratic
8 Aroclor-1254(5)	1.00000	0.93981	39814341	0.001	-6.01909	20.00000	Quadratic
8 Aroclor-1254(1)	1.00000	0.94355	28621012	0.001	-5.64472	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF756.D
Report Date: 15-Jul-2014 15:41

Katahdin Analytical Services

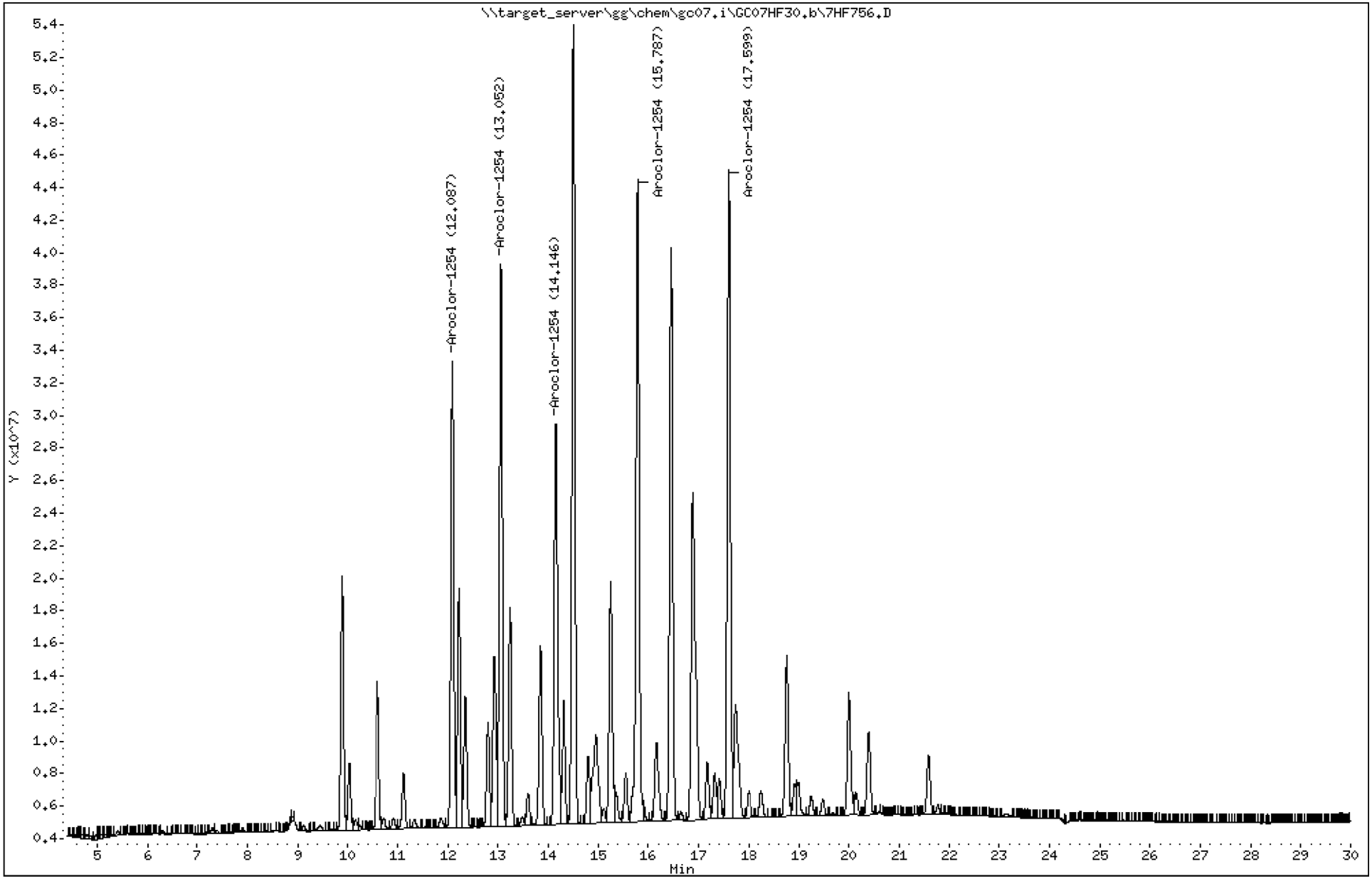
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Lab Smp Id: WG145727-11
Inj Date : 01-JUL-2014 04:30
Operator : CB Inst ID: gc07.i
Smp Info : WG145727-11,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 27 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1				
12.087	12.097	-0.010	28621012	1.00000	0.944	80.00-	120.00	100.00	
13.052	13.064	-0.012	34536626	1.00000	0.927	80.00-	120.00	120.67	
14.145	14.156	-0.011	24589495	1.00000	0.915	80.00-	120.00	85.91	
15.787	15.796	-0.009	39441109	1.00000	0.886	80.00-	120.00	137.80	
17.598	17.612	-0.014	39814341	1.00000	0.940	0.00-	0.00	139.11	
Average of Peak Amounts =					0.92240				

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF756.D
Date : 01-JUL-2014 04:30
Client ID:
Instrument: gc07.i
Sample Info: WG145727-11,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000173

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG145727-12 **Analytical Date:** 07/01/14 04:30
Lab File ID : 7HF756.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** B

Compound	$\overline{RRF}$/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
8 Aroclor-1254(4)	1.00000	0.88667	2360072	0.001	-11.33272	20.00000	Quadratic
8 Aroclor-1254(2)	1.00000	0.88915	2038385	0.001	-11.08494	20.00000	Quadratic
8 Aroclor-1254(1)	1.00000	0.91011	2024762	0.001	-8.98869	20.00000	Quadratic
8 Aroclor-1254(3)	1.00000	0.91144	1590823	0.001	-8.85567	20.00000	Quadratic
8 Aroclor-1254(5)	1.00000	0.92889	2389519	0.001	-7.11117	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: 7HF756.D
Report Date: 15-Jul-2014 15:41

Katahdin Analytical Services

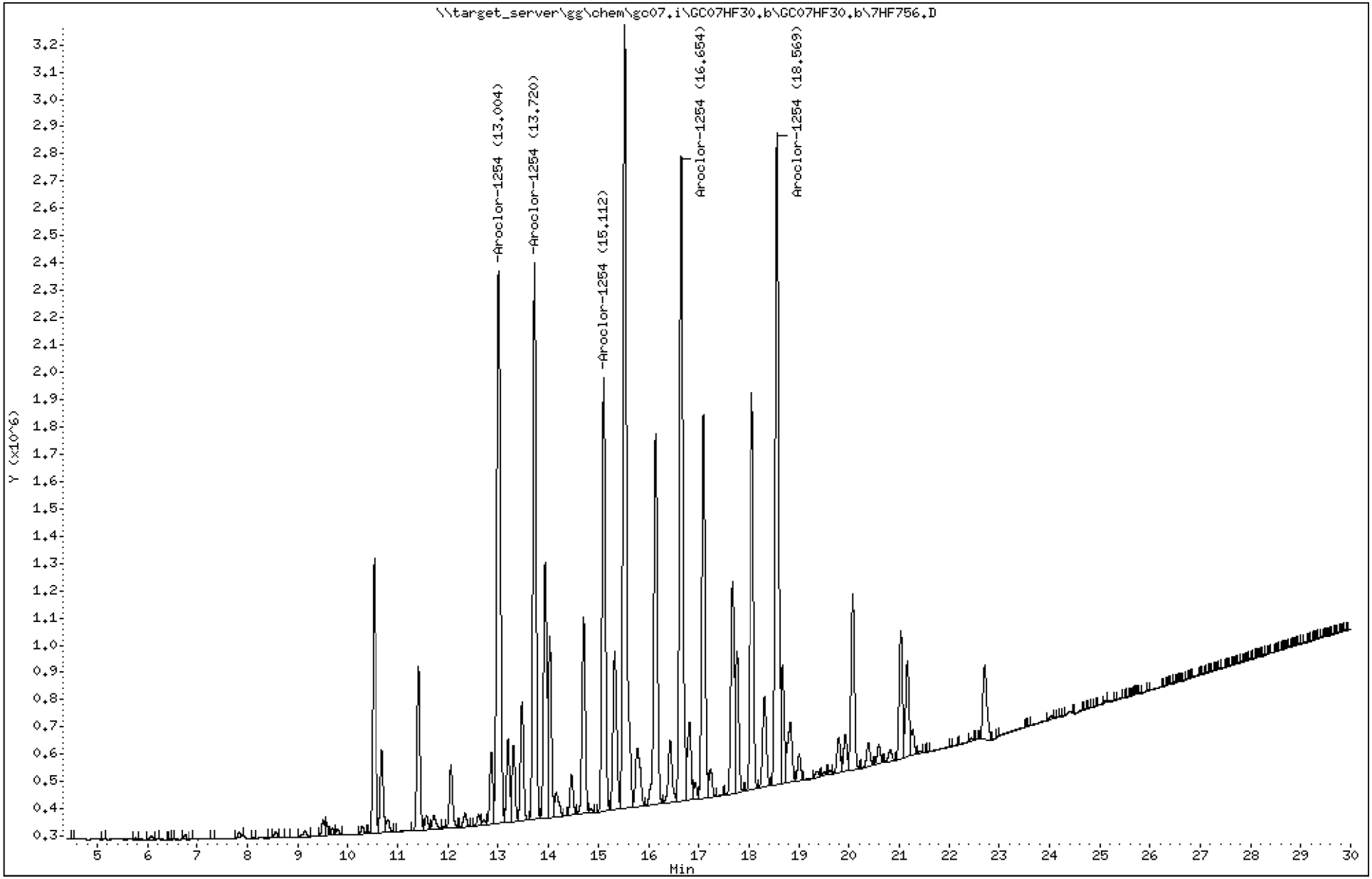
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Lab Smp Id: WG145727-12
Inj Date : 01-JUL-2014 04:30
Operator : CB Inst ID: gc07.i
Smp Info : WG145727-12,WE53-7
Misc Info : WG145727,WG145727,WG144776,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 27 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO	REVIEW CODE
8 Aroclor-1254					CAS #: 11097-69-1			
13.003	13.015	-0.012	2024762	1.00000	0.910	80.00- 120.00	100.00	
13.720	13.734	-0.014	2038385	1.00000	0.889	80.00- 120.00	100.67	
15.111	15.124	-0.013	1590823	1.00000	0.911	80.00- 120.00	78.57	
16.653	16.662	-0.009	2360072	1.00000	0.887	80.00- 120.00	116.56	
18.568	18.579	-0.011	2389519	1.00000	0.929	80.00- 120.00	118.01	
Average of Peak Amounts =					0.90520			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF756.D
Date : 01-JUL-2014 04:30
Client ID:
Instrument: gc07.i
Sample Info: WG145727-12,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000176

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146326-1 **Analytical Date:** 07/10/14 15:41
Lab File ID : 7HG290.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** A

	Compound	$\overline{RRF}$/Amount	RF0.250	CCAL RRF0.250	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
6	Aroclor-1016(2)	0.25000	0.26400	16188484	0.001	5.60189	20.00000	Quadratic
6	Aroclor-1016(5)	0.25000	0.26766	16057572	0.001	7.06476	20.00000	Quadratic
6	Aroclor-1016(1)	0.25000	0.27316	19834436	0.001	9.26460	20.00000	Quadratic
6	Aroclor-1016(3)	0.25000	0.27352	39260100	0.001	9.40722	20.00000	Quadratic
6	Aroclor-1016(4)	0.25000	0.27977	18180192	0.001	11.90994	20.00000	Quadratic
9	Aroclor-1260(2)	0.25000	0.23582	48833852	0.001	-5.67113	20.00000	Quadratic
9	Aroclor-1260(3)	0.25000	0.24037	40331568	0.001	-3.85188	20.00000	Quadratic
9	Aroclor-1260(4)	0.25000	0.24682	22246272	0.001	-1.27171	20.00000	Quadratic
9	Aroclor-1260(1)	0.25000	0.24997	28505360	0.001	-0.01174	20.00000	Quadratic
9	Aroclor-1260(5)	0.25000	0.25065	33086724	0.001	0.26016	20.00000	Quadratic
3	Tetrachloro-m-xylene	0.00500	0.00593	1.259e+09	0.001	18.57895	20.00000	Quadratic
12	Decachlorobiphenyl	0.00500	0.00449	355782600	0.001	-10.24349	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG290.D
Report Date: 15-Jul-2014 15:11

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG290.D
Lab Smp Id: WG146326-1
Inj Date : 10-JUL-2014 15:41
Operator : CB Inst ID: gc07.i
Smp Info : WG146326-1,WE53-7
Misc Info : WG146326,WG146326,WG144776,SH4521-10
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HG10.b\PCB074.m
Meth Date : 11-Jul-2014 08:54 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 48 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

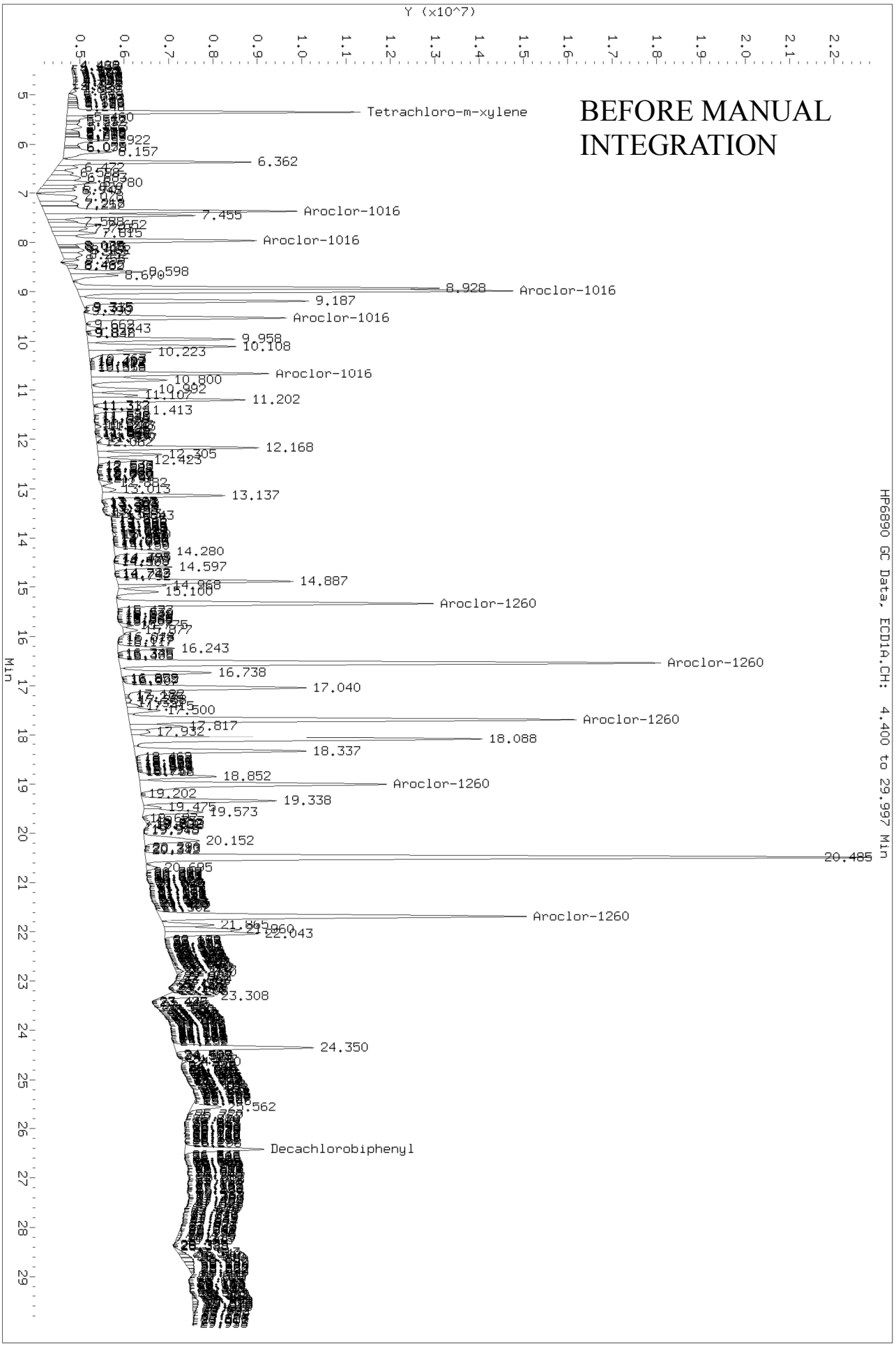
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE	RATIO		REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.351	5.351	0.000	6294908	0.02000	0.00593			(M)	
6 Aroclor-1016						CAS #: 12674-11-2			
7.370	7.370	0.000	4958609	1.00000	0.273	80.00- 120.00	100.00	(M)	
7.963	7.963	0.000	4047121	1.00000	0.264	158.77- 238.15	81.62		
8.981	8.981	0.000	9815025	1.00000	0.274	296.98- 445.46	197.94		
9.530	9.530	0.000	4545048	1.00000	0.280	114.78- 172.16	91.66		
10.670	10.670	0.000	4014393	1.00000	0.268	112.32- 168.48	80.96		
Average of Peak Amounts =					0.27180				
9 Aroclor-1260						CAS #: 11096-82-5			
15.336	15.336	0.000	7126340	1.00000	0.250	80.00- 120.00	100.00		
16.536	16.536	0.000	12208463	1.00000	0.236	94.69- 142.03	171.31		
17.685	17.685	0.000	10082892	1.00000	0.240	89.28- 133.92	141.49		
19.005	19.005	0.000	5561568	1.00000	0.247	72.48- 108.72	78.04		
21.681	21.681	0.000	8271681	1.00000	0.251	0.00- 0.00	116.07		
Average of Peak Amounts =					0.24480				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
26.418	26.418	0.000	1778913	0.02000	0.00449				

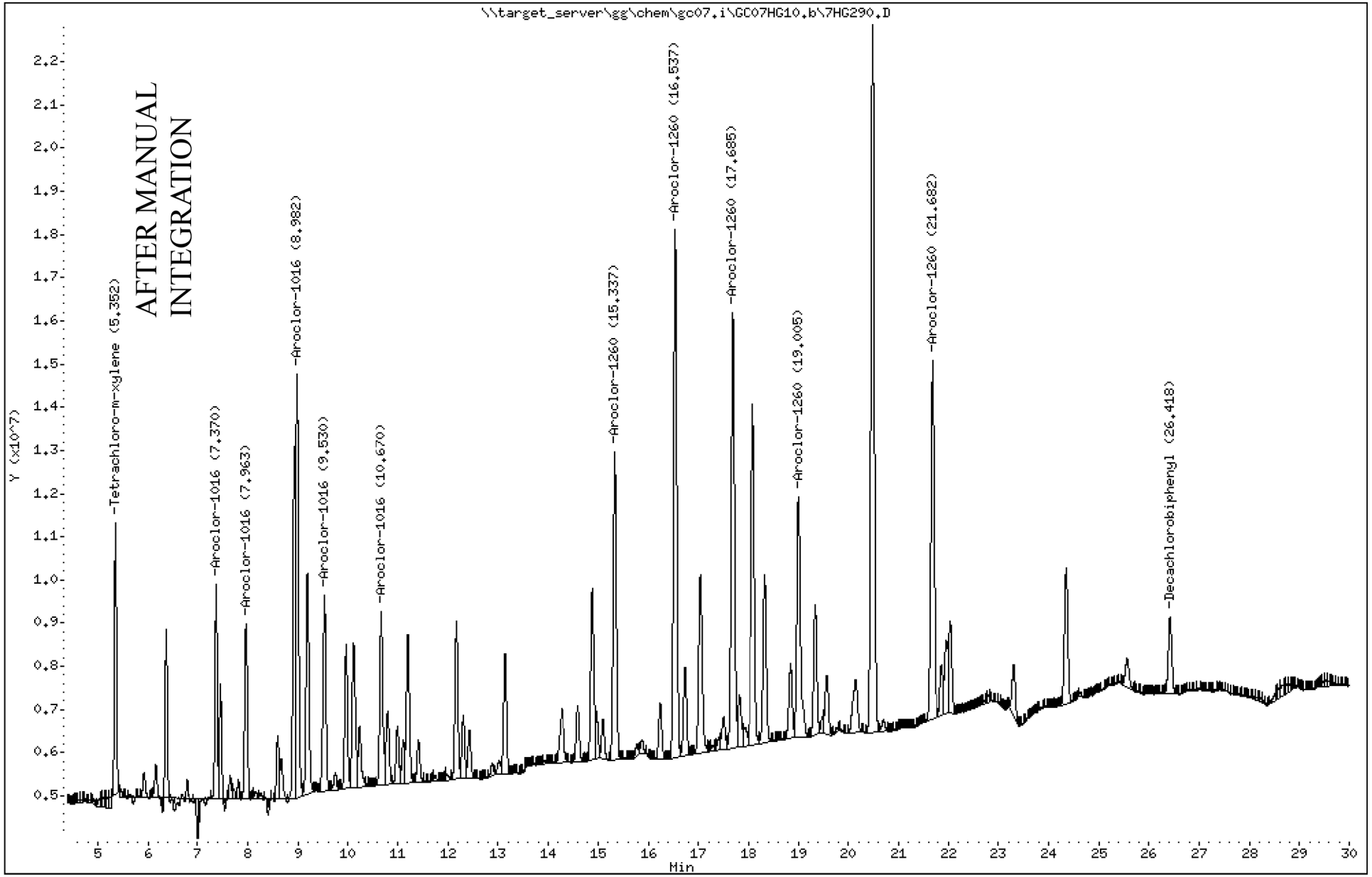


4:16 pm, Jul 15, 2014

M2


Y (x10^7)
Min
Tetrachloro-m-xylene
6.362
7.455
Aroclor-1016
Aroclor-1016
8.928
Aroclor-1016
9.187
Aroclor-1016
9.958
10.108
10.223
Aroclor-1016
10.800
10.992
11.202
11.413
12.168
12.423
13.137
14.280
14.597
14.887
15.100
Aroclor-1260
16.243
Aroclor-1260
16.738
17.040
Aroclor-1260
17.817
18.088
18.337
18.852
Aroclor-1260
19.202
19.338
19.573
20.152
20.485
Aroclor-1260
22.043
23.308
24.350
Decachlorobiphenyl
BEFORE MANUAL INTEGRATION
Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG290.D
Injection Date: 10-JUL-2014 15:41
Instrument: gc07.i
Client Sample ID:
HP6890 GC Data, ECD1A.CH: 4.400 to 29.997 Min

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG290.D
Date : 10-JUL-2014 15:41
Client ID:
Instrument: gc07.i
Sample Info: WG146326-1,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000180

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146326-2 **Analytical Date:** 07/10/14 15:41
Lab File ID : 7HG290.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** B

	Compound	$\overline{RRF}$/Amount	RF0.250	CCAL RRF0.250	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
5	Aroclor-1016(4)	0.25000	0.22449	1268148	0.001	-10.20369	20.00000	Quadratic	
5	Aroclor-1016(5)	0.25000	0.22677	1071012	0.001	-9.29177	20.00000	Quadratic	
5	Aroclor-1016(3)	0.25000	0.23302	2439204	0.001	-6.79234	20.00000	Quadratic	
5	Aroclor-1016(2)	0.25000	0.23381	1188088	0.001	-6.47499	20.00000	Quadratic	
5	Aroclor-1016(1)	0.25000	0.24229	1377348	0.001	-3.08253	20.00000	Quadratic	
9	Aroclor-1260(4)	0.25000	0.19184	1638976	0.001	-23.26474	20.00000	Quadratic	*
9	Aroclor-1260(5)	0.25000	0.19401	2195408	0.001	-22.39408	20.00000	Quadratic	*
9	Aroclor-1260(2)	0.25000	0.19434	2661776	0.001	-22.26480	20.00000	Quadratic	*
9	Aroclor-1260(3)	0.25000	0.20199	2368440	0.001	-19.20394	20.00000	Quadratic	
9	Aroclor-1260(1)	0.25000	0.20609	1906792	0.001	-17.56403	20.00000	Quadratic	
2	Tetrachloro-m-xylene	0.00500	0.00488	75180800	0.001	-2.36218	20.00000	Quadratic	
12	Decachlorobiphenyl	0.00500	0.00417	27517000	0.001	-16.65251	20.00000	Quadratic	

*** = Compound out of QC criteria**

Data File: 7HG290.D
Report Date: 15-Jul-2014 15:11

Katahdin Analytical Services

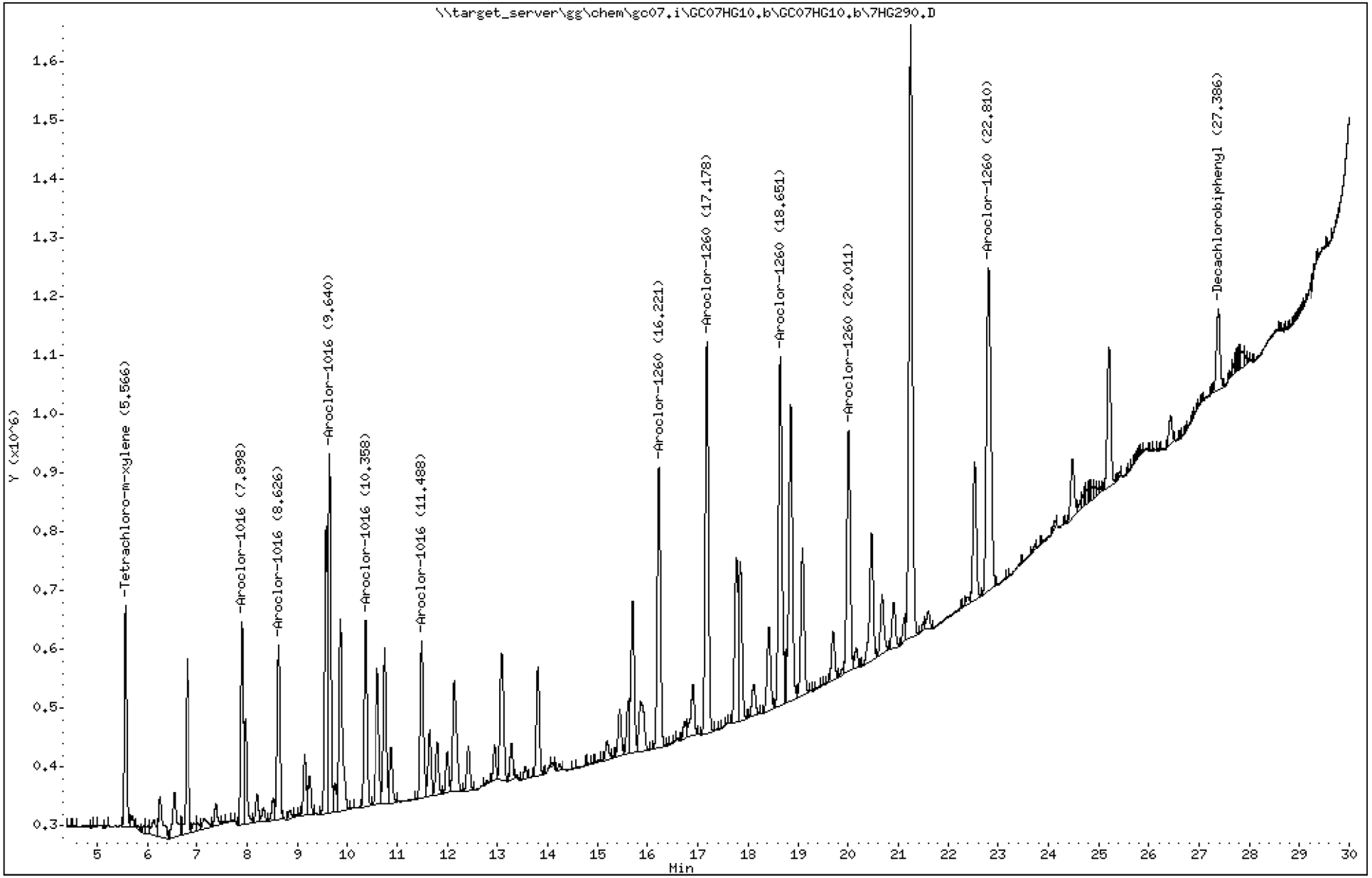
Data file : \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG290.D
Lab Smp Id: WG146326-2
Inj Date : 10-JUL-2014 15:41
Operator : CB Inst ID: gc07.i
Smp Info : WG146326-2,WE53-7
Misc Info : WG146326,WG146326,WG144776,SH4521-10
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HG10.b\PCB074.m\PCB074.m
Meth Date : 15-Jul-2014 11:47 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 48 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.566	5.555	0.011	375904	0.02000	0.00488				
5 Aroclor-1016						CAS #: 12674-11-2			
7.898	7.884	0.014	344337	1.00000	0.242	80.00-	120.00	100.00	
8.626	8.612	0.014	297022	1.00000	0.234	158.77-	238.15	86.26	
9.639	9.625	0.014	609801	1.00000	0.233	296.98-	445.46	177.09	
10.358	10.340	0.018	317037	1.00000	0.224	114.78-	172.17	92.07	
11.488	11.470	0.018	267753	1.00000	0.227	112.32-	168.48	77.76	
Average of Peak Amounts =					0.23200				
9 Aroclor-1260						CAS #: 11096-82-5			
16.221	16.204	0.017	476698	1.00000	0.206	80.00-	120.00	100.00	
17.178	17.159	0.019	665444	1.00000	0.194	94.69-	142.03	139.59	
18.651	18.632	0.019	592110	1.00000	0.202	89.28-	133.92	124.21	
20.011	19.992	0.019	409744	1.00000	0.192	72.48-	108.72	85.95	
22.809	22.792	0.017	548852	1.00000	0.194	0.00-	0.00	115.14	
Average of Peak Amounts =					0.19760				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
27.386	27.365	0.021	137585	0.02000	0.00417				

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG290.D
Date : 10-JUL-2014 15:41
Client ID:
Instrument: gc07.i
Sample Info: WG146326-2,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000183

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146326-7 **Analytical Date:** 07/10/14 23:31
Lab File ID : 7HG303.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** A

	Compound	$\overline{RRF}$/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
6	Aroclor-1016(2)	1.00000	1.14545	17274195	0.001	14.54538	20.00000	Quadratic	
6	Aroclor-1016(5)	1.00000	1.14578	16397564	0.001	14.57762	20.00000	Quadratic	
6	Aroclor-1016(4)	1.00000	1.16959	18224853	0.001	16.95941	20.00000	Quadratic	
6	Aroclor-1016(1)	1.00000	1.17272	20129558	0.001	17.27177	20.00000	Quadratic	
6	Aroclor-1016(3)	1.00000	1.18057	43179926	0.001	18.05695	20.00000	Quadratic	
9	Aroclor-1260(4)	1.00000	1.08577	26128307	0.001	8.57656	20.00000	Quadratic	
9	Aroclor-1260(3)	1.00000	1.09514	47759272	0.001	9.51365	20.00000	Quadratic	
9	Aroclor-1260(2)	1.00000	1.09747	60712516	0.001	9.74650	20.00000	Quadratic	
9	Aroclor-1260(5)	1.00000	1.10698	39491454	0.001	10.69800	20.00000	Quadratic	
9	Aroclor-1260(1)	1.00000	1.13376	33335940	0.001	13.37594	20.00000	Quadratic	
3	Tetrachloro-m-xylene	0.02000	0.02462	1.211e+09	0.001	23.12293	20.00000	Quadratic	*
12	Decachlorobiphenyl	0.02000	0.02167	410981700	0.001	8.35908	20.00000	Quadratic	

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG303.D
Report Date: 15-Jul-2014 15:11

Katahdin Analytical Services

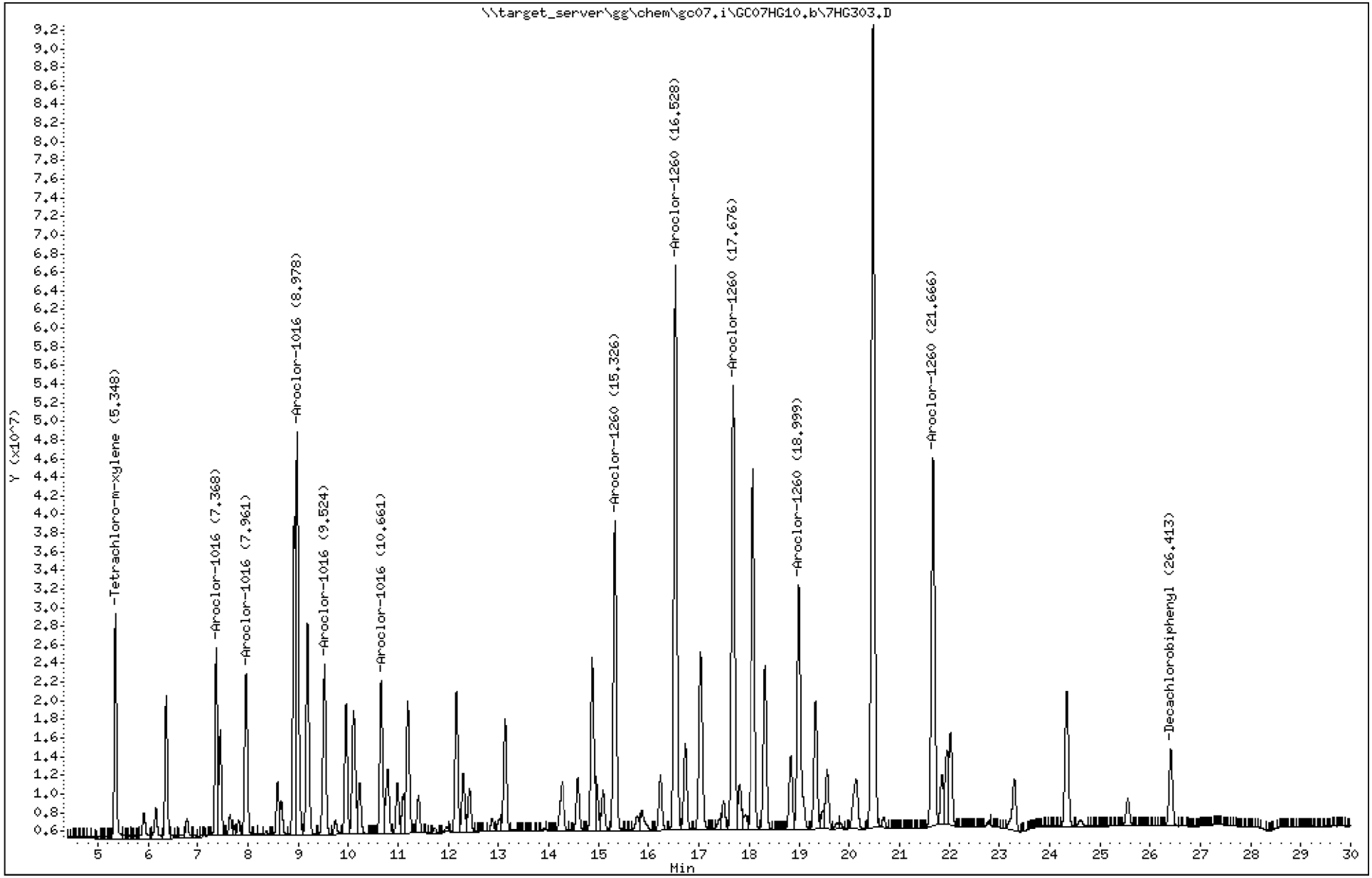
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Lab Smp Id: WG146326-7
Inj Date : 10-JUL-2014 23:31
Operator : CB Inst ID: gc07.i
Smp Info : WG146326-7,WE53-7
Misc Info : WG146326,WG146326,WG144776,SH4521-10
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HG10.b\PCB074.m
Meth Date : 11-Jul-2014 08:54 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 60 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.347	5.351	-0.004	24226516	0.02000	0.0246				
6 Aroclor-1016						CAS #: 12674-11-2			
7.367	7.370	-0.003	20129558	1.00000	1.17	80.00-	120.00	100.00	
7.960	7.963	-0.003	17274195	1.00000	1.14	158.77-	238.15	85.82	
8.977	8.981	-0.004	43179926	1.00000	1.18	296.98-	445.46	214.51	
9.524	9.530	-0.006	18224853	1.00000	1.17	114.78-	172.16	90.54	
10.660	10.670	-0.010	16397564	1.00000	1.14	112.32-	168.48	81.46	
Average of Peak Amounts =					1.16000				
9 Aroclor-1260						CAS #: 11096-82-5			
15.325	15.336	-0.011	33335940	1.00000	1.13	80.00-	120.00	100.00	
16.527	16.536	-0.009	60712516	1.00000	1.10	94.69-	142.03	182.12	
17.675	17.685	-0.010	47759272	1.00000	1.10	89.28-	133.92	143.27	
18.999	19.005	-0.006	26128307	1.00000	1.08	72.48-	108.72	78.38	
21.665	21.681	-0.016	39491454	1.00000	1.11	0.00-	0.00	118.47	
Average of Peak Amounts =					1.10400				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
26.412	26.418	-0.006	8219634	0.02000	0.0217				

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG303.D
Date : 10-JUL-2014 23:31
Client ID:
Instrument: gc07.i
Sample Info: WG146326-7,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000186

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53 **SDG:** WE53-7
Lab ID : WG146326-8 **Analytical Date:** 07/10/14 23:31
Lab File ID : 7HG303.D **Instrument ID:** GC07
Initial Calibration Date(s): 06/13/14 14:57 06/14/14 08:24 **Column ID:** B

	Compound	$\overline{\text{RRF}}$/Amount	RF1	CCAL RRF1	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
5	Aroclor-1016(4)	1.00000	0.98463	1201249	0.001	-1.53694	20.00000	Quadratic
5	Aroclor-1016(5)	1.00000	0.98782	1011182	0.001	-1.21812	20.00000	Quadratic
5	Aroclor-1016(3)	1.00000	0.99401	2336120	0.001	-0.59869	20.00000	Quadratic
5	Aroclor-1016(2)	1.00000	0.99494	1079279	0.001	-0.50608	20.00000	Quadratic
5	Aroclor-1016(1)	1.00000	1.01318	1228509	0.001	1.31827	20.00000	Quadratic
9	Aroclor-1260(2)	1.00000	0.86411	2651772	0.001	-13.58907	20.00000	Quadratic
9	Aroclor-1260(4)	1.00000	0.91506	1757376	0.001	-8.49363	20.00000	Quadratic
9	Aroclor-1260(5)	1.00000	0.91975	2289556	0.001	-8.02516	20.00000	Quadratic
9	Aroclor-1260(3)	1.00000	0.92485	2412056	0.001	-7.51538	20.00000	Quadratic
9	Aroclor-1260(1)	1.00000	0.95284	1921332	0.001	-4.71613	20.00000	Quadratic
2	Tetrachloro-m-xylene	0.02000	0.02063	71965300	0.001	3.13284	20.00000	Quadratic
12	Decachlorobiphenyl	0.02000	0.01933	28947650	0.001	-3.37245	20.00000	Quadratic

*** = Compound out of QC criteria**

Data File: 7HG303.D
Report Date: 15-Jul-2014 15:12

Katahdin Analytical Services

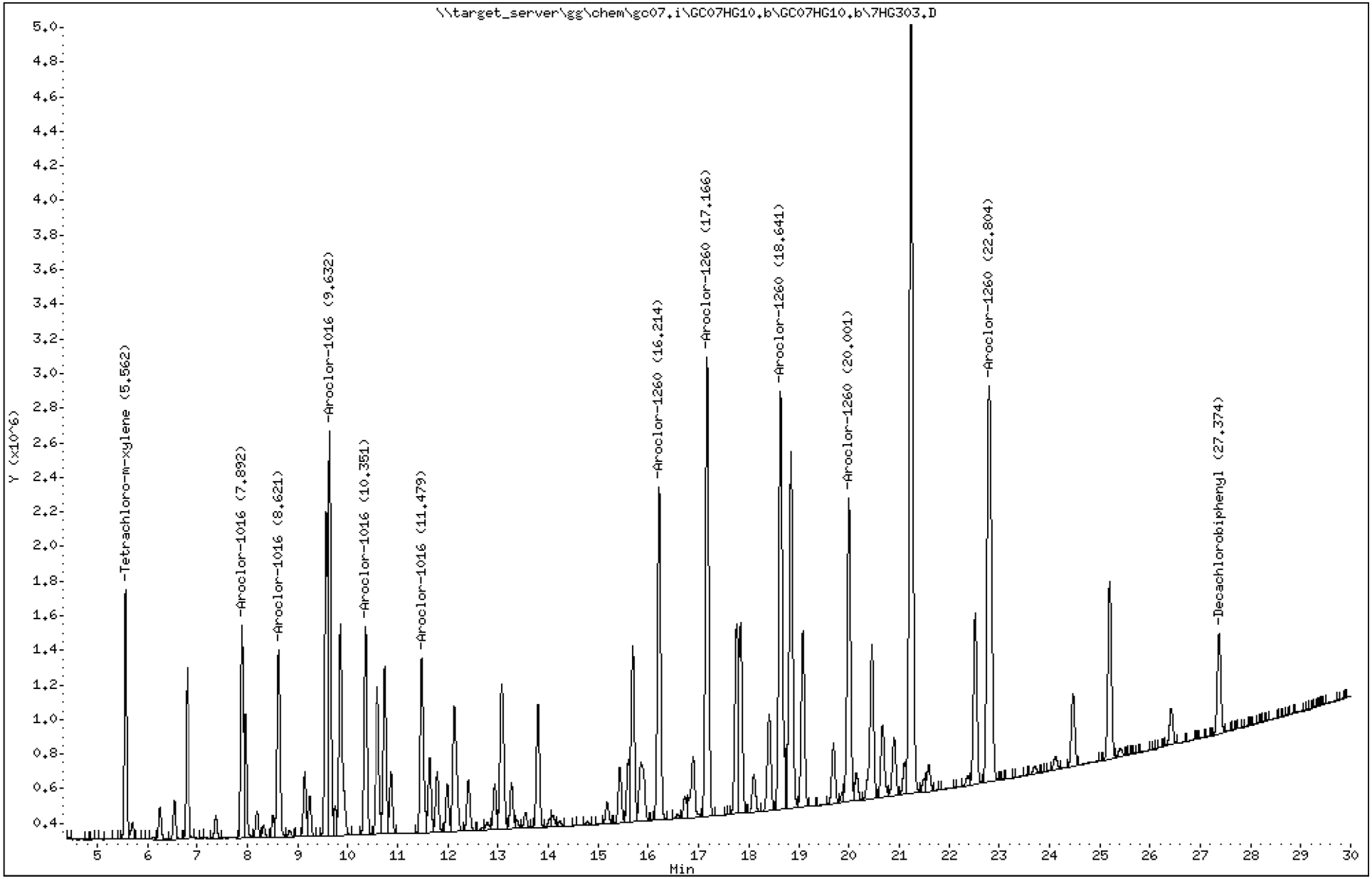
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Lab Smp Id: WG146326-8
Inj Date : 10-JUL-2014 23:31
Operator : CB Inst ID: gc07.i
Smp Info : WG146326-8,WE53-7
Misc Info : WG146326,WG146326,WG144776,SH4521-10
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HG10.b\PCB074.m\PCB074.m
Meth Date : 15-Jul-2014 11:47 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 60 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 4.12 Sample Matrix: WATER

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				AMOUNTS					
				CAL-AMT	ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8			
5.562	5.555	0.007	1439306	0.02000	0.0206				
5 Aroclor-1016						CAS #: 12674-11-2			
7.892	7.884	0.008	1228509	1.00000	1.01	80.00-	120.00	100.00	
8.620	8.612	0.008	1079279	1.00000	0.995	158.77-	238.15	87.85	
9.632	9.625	0.007	2336120	1.00000	0.994	296.98-	445.46	190.16	
10.350	10.340	0.010	1201249	1.00000	0.985	114.78-	172.17	97.78	
11.478	11.470	0.008	1011182	1.00000	0.988	112.32-	168.48	82.31	
Average of Peak Amounts =					0.99440				
9 Aroclor-1260						CAS #: 11096-82-5			
16.213	16.204	0.009	1921332	1.00000	0.953	80.00-	120.00	100.00	
17.165	17.159	0.006	2651772	1.00000	0.864	94.69-	142.03	138.02	
18.640	18.632	0.008	2412056	1.00000	0.925	89.28-	133.92	125.54	
20.000	19.992	0.008	1757376	1.00000	0.915	72.48-	108.72	91.47	
22.803	22.792	0.011	2289556	1.00000	0.920	0.00-	0.00	119.17	
Average of Peak Amounts =					0.91540				
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3			
27.373	27.365	0.008	578953	0.02000	0.0193				

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG303.D
Date : 10-JUL-2014 23:31
Client ID:
Instrument: gc07.i
Sample Info: WG146326-8,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000189

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG145483-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: 7HF734.D

Sample Date:
Received Date:
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145483

Analysis Date: 30-JUN-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.050	ug/L	1	.5	0.10	0.030	0.050
Aroclor-1221	U	0.050	ug/L	1	.5	0.10	0.040	0.050
Aroclor-1232	U	0.050	ug/L	1	.5	0.10	0.018	0.050
Aroclor-1242	U	0.050	ug/L	1	.5	0.10	0.036	0.050
Aroclor-1248	U	0.050	ug/L	1	.5	0.10	0.040	0.050
Aroclor-1254	U	0.050	ug/L	1	.5	0.10	0.016	0.050
Aroclor-1260	U	0.050	ug/L	1	.5	0.10	0.034	0.050
Aroclor-1262	U	0.050	ug/L	1	.5	0.10	0.013	0.050
Aroclor-1268	U	0.050	ug/L	1	.5	0.10	0.014	0.050
Tetrachloro-M-Xylene	*	37.1	%					
Decachlorobiphenyl		66.0	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF734.D
Report Date: 15-Jul-2014 15:15

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF734.D
Lab Smp Id: WG145483-1 Client Smp ID: WG145483-Blank
Inj Date : 30-JUN-2014 15:15
Operator : CB Inst ID: gc07.i
Smp Info : WG145483-1,WE53-7
Misc Info : WG145727,WG145483,WG144776-1,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

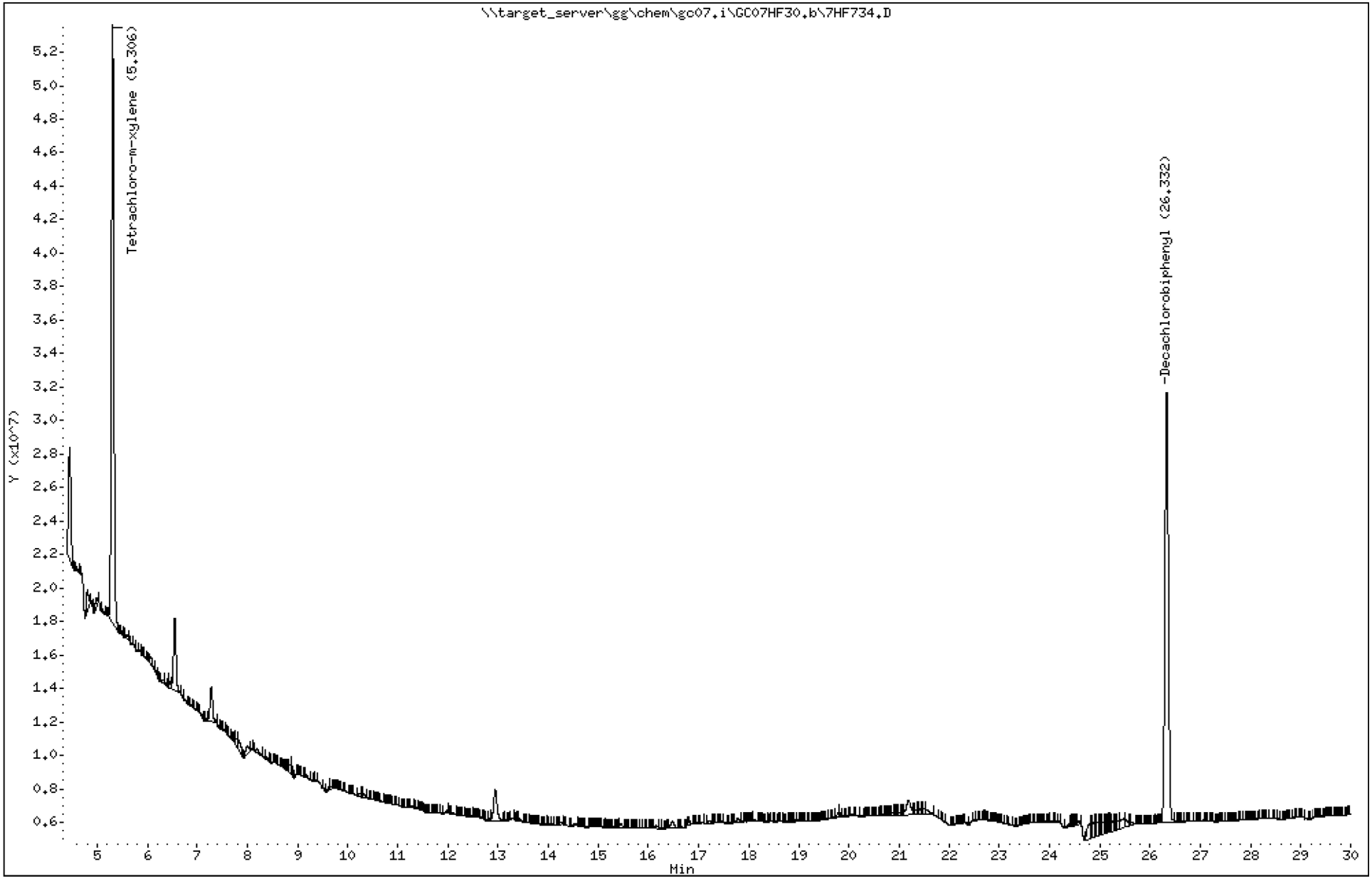
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.305	5.302	0.003	35721375	0.03708	0.0742			(aR)
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
26.332	26.356	-0.024	25668980	0.06620	0.132			

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF734.D
Date : 30-JUN-2014 15:15
Client ID: WG145483-Blank
Instrument: gc07.i
Sample Info: WG145483-1,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000193

Data File: 7HF734.D
Report Date: 15-Jul-2014 15:15

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF734.D
Lab Smp Id: WG145483-1 Client Smp ID: WG145483-Blank
Inj Date : 30-JUN-2014 15:15
Operator : CB Inst ID: gc07.i
Smp Info : WG145483-1,WE53-7
Misc Info : WG145727,WG145483,WG144776-1,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

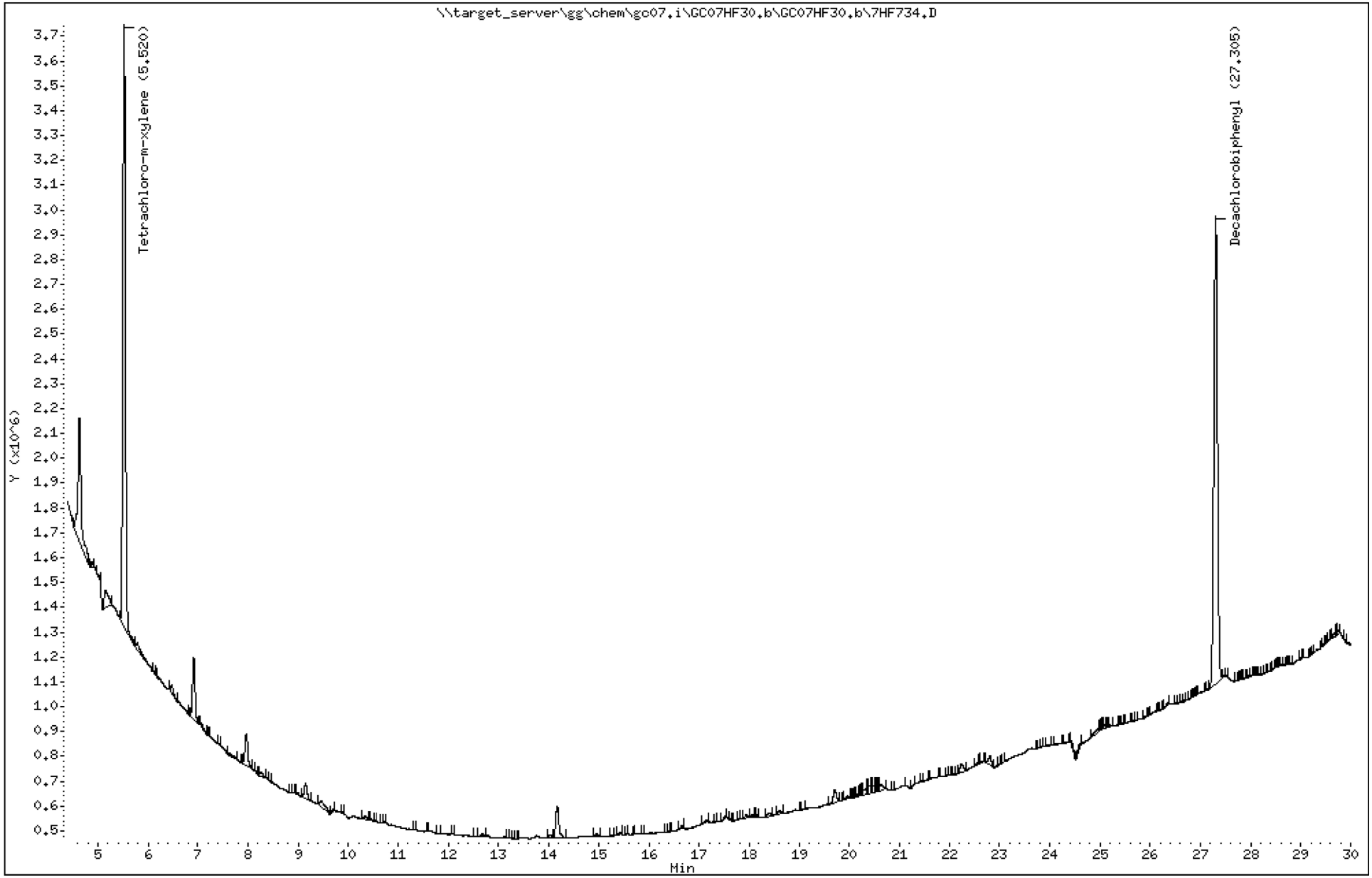
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.520	5.519	0.001	2422652	0.03517	0.0703			(aR)
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
27.305	27.312	-0.007	1880482	0.06429	0.128			

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF734.D
Date : 30-JUN-2014 15:15
Client ID: WG145483-Blank
Instrument: gc07.i
Sample Info: WG145483-1,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000195

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG146110-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: 7HG293.D

Sample Date:
Received Date:
Extract Date: 08-JUL-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG146110

Analysis Date: 10-JUL-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA
Report Date: 15-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.025	ug/L	1	.5	0.050	0.015	0.025
Aroclor-1221	U	0.025	ug/L	1	.5	0.050	0.020	0.025
Aroclor-1232	U	0.025	ug/L	1	.5	0.050	0.0089	0.025
Aroclor-1242	U	0.025	ug/L	1	.5	0.050	0.018	0.025
Aroclor-1248	U	0.025	ug/L	1	.5	0.050	0.020	0.025
Aroclor-1254	U	0.025	ug/L	1	.5	0.050	0.0082	0.025
Aroclor-1260	U	0.025	ug/L	1	.5	0.050	0.017	0.025
Aroclor-1262	U	0.025	ug/L	1	.5	0.050	0.0066	0.025
Aroclor-1268	U	0.025	ug/L	1	.5	0.050	0.0072	0.025
Tetrachloro-M-Xylene		81.1	%					
Decachlorobiphenyl		89.2	%					

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Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG293.D
Report Date: 15-Jul-2014 15:11

Katahdin Analytical Services

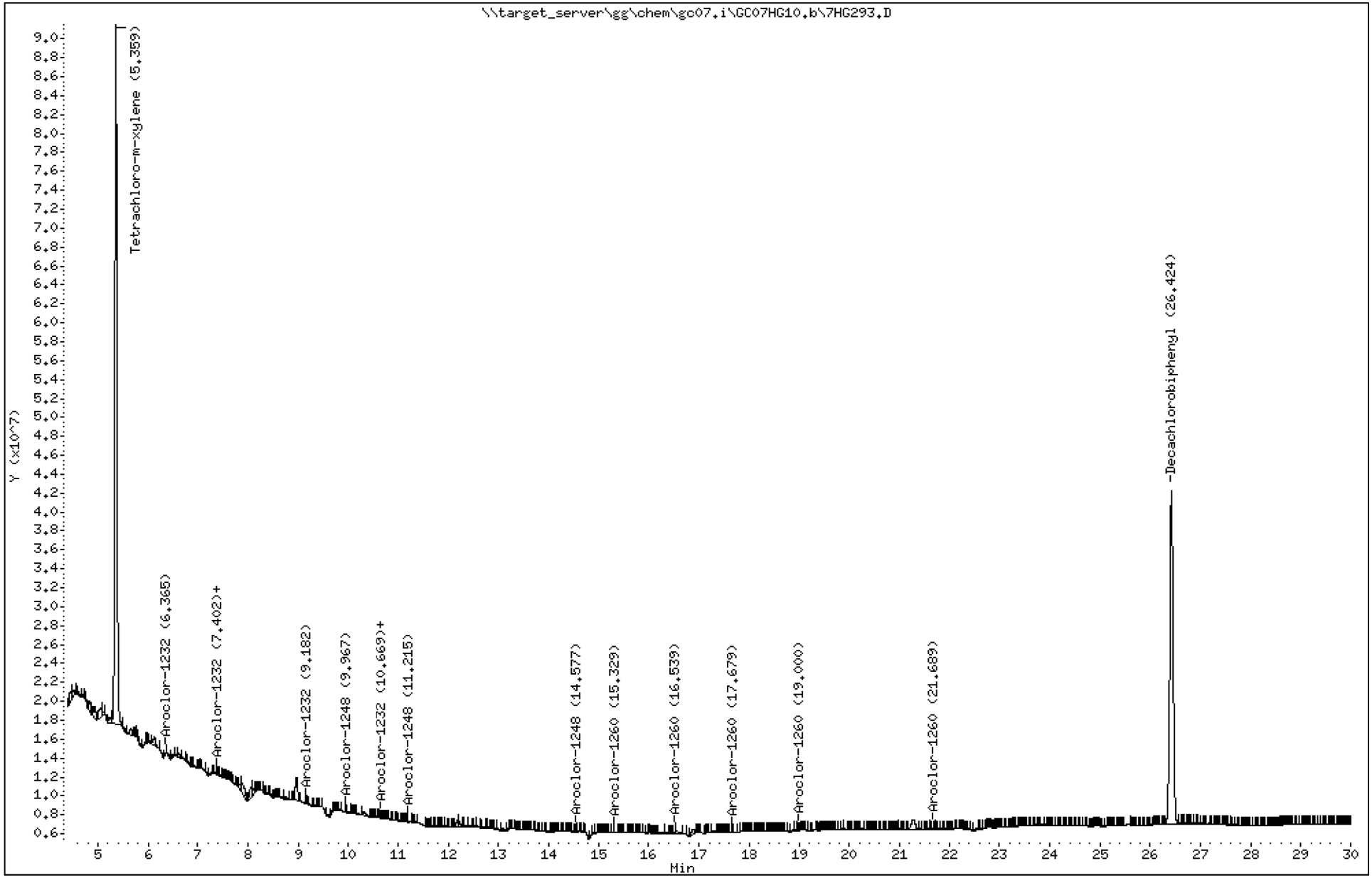
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Inj Date : 10-JUL-2014 17:30
Operator : CB Inst ID: gc07.i
Smp Info : WG146110-1,WE53-7
Misc Info : WG146326,WG146110,WG144776-1,SH4521-10
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HG10.b\PCB074.m
Meth Date : 11-Jul-2014 08:54 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 51 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.358	5.351	0.007	73965288	0.08115	0.0811			
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
26.423	26.418	0.005	35185449	0.08925	0.0892			

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG293.D
Date : 10-JUL-2014 17:30
Client ID: WG146110-Blank
Instrument: gc07.i
Sample Info: WG146110-1,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000198

Data File: 7HG293.D
Report Date: 15-Jul-2014 15:12

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Data file : \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG293.D
Lab Smp Id: WG146110-1 Client Smp ID: WG146110-Blank
Inj Date : 10-JUL-2014 17:30
Operator : CB Inst ID: gc07.i
Smp Info : WG146110-1,WE53-7
Misc Info : WG146326,WG146110,WG144776-1,SH4521-10
Comment :
Method : \\TARGET_SERVER\GG\chem\gc07.i\GC07HG10.b\PCB074.m\PCB074.m
Meth Date : 15-Jul-2014 11:47 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 51 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TTWE49.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

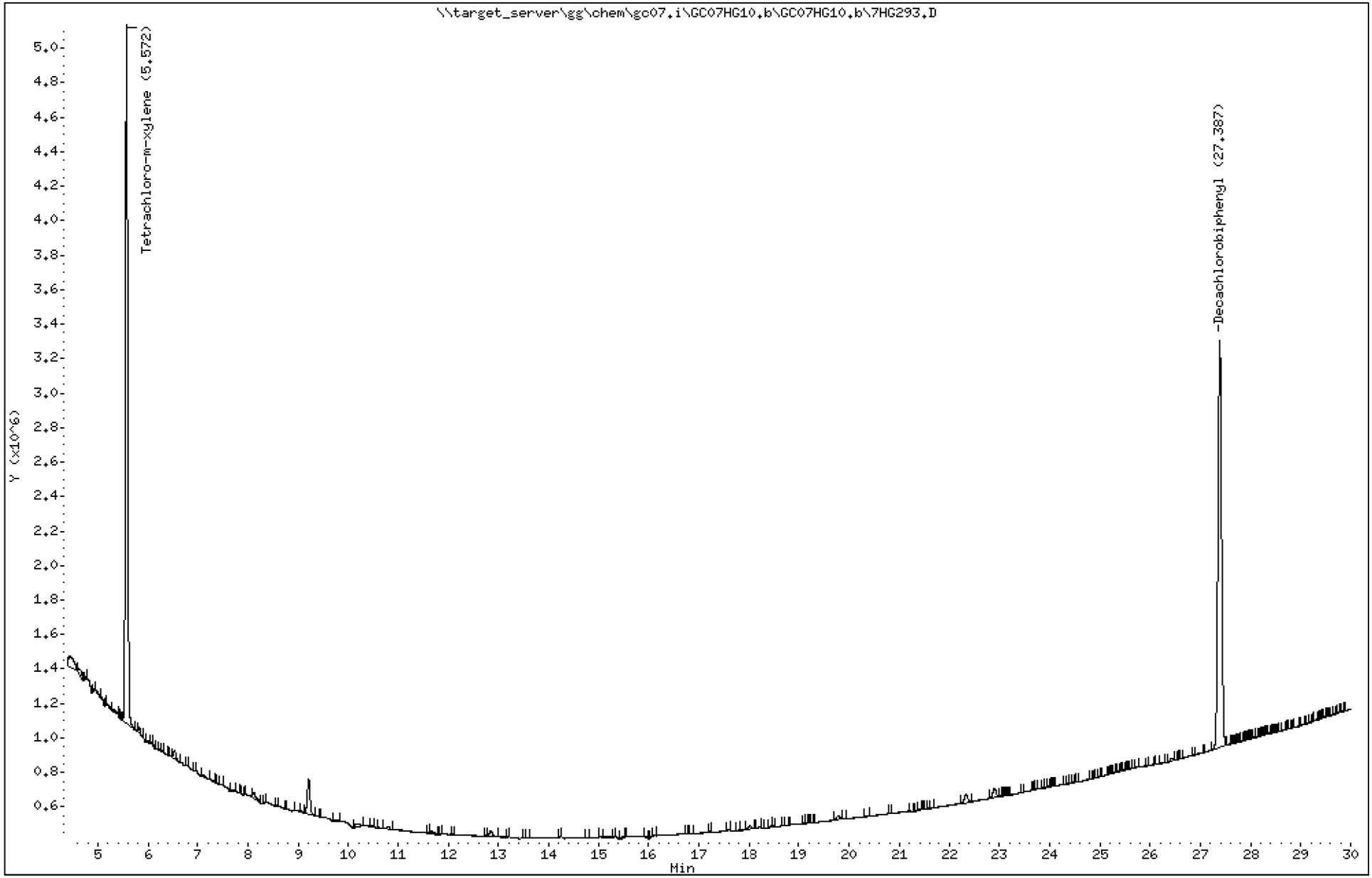
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.571	5.555	0.016	4052905	0.05926	0.0592			(R)
$ 12 Decachlorobiphenyl						CAS #: 2051-24-3		
27.386	27.365	0.021	2361853	0.08103	0.0810			

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG293.D
Date : 10-JUL-2014 17:30
Client ID: WG146110-Blank
Instrument: gc07.i
Sample Info: WG146110-1,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000200

LCS/LCSD Recovery Report

LCS ID: WG145483-2
LCSD ID: WG145483-3
Project:
SDG: WE53-7
Report Date: 16-JUL-14
LCS File ID: 7HF735.D

Received Date:
Extract Date: 26-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145483
LCSD File ID: 7HF736.D

Analysis Date: 30-JUN-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Aroclor-1016	1.00	0.514	51.4	0.738	73.8	ug/L	36*	30	25-145
Aroclor-1260	1.00	0.660	66.0	0.915	91.5	ug/L	32*	30	30-145
Tetrachloro-M-Xylene			29.8*		39.9*				62-111
Decachlorobiphenyl			61.5		83.0				40-135

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Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF735.D
Report Date: 15-Jul-2014 15:15

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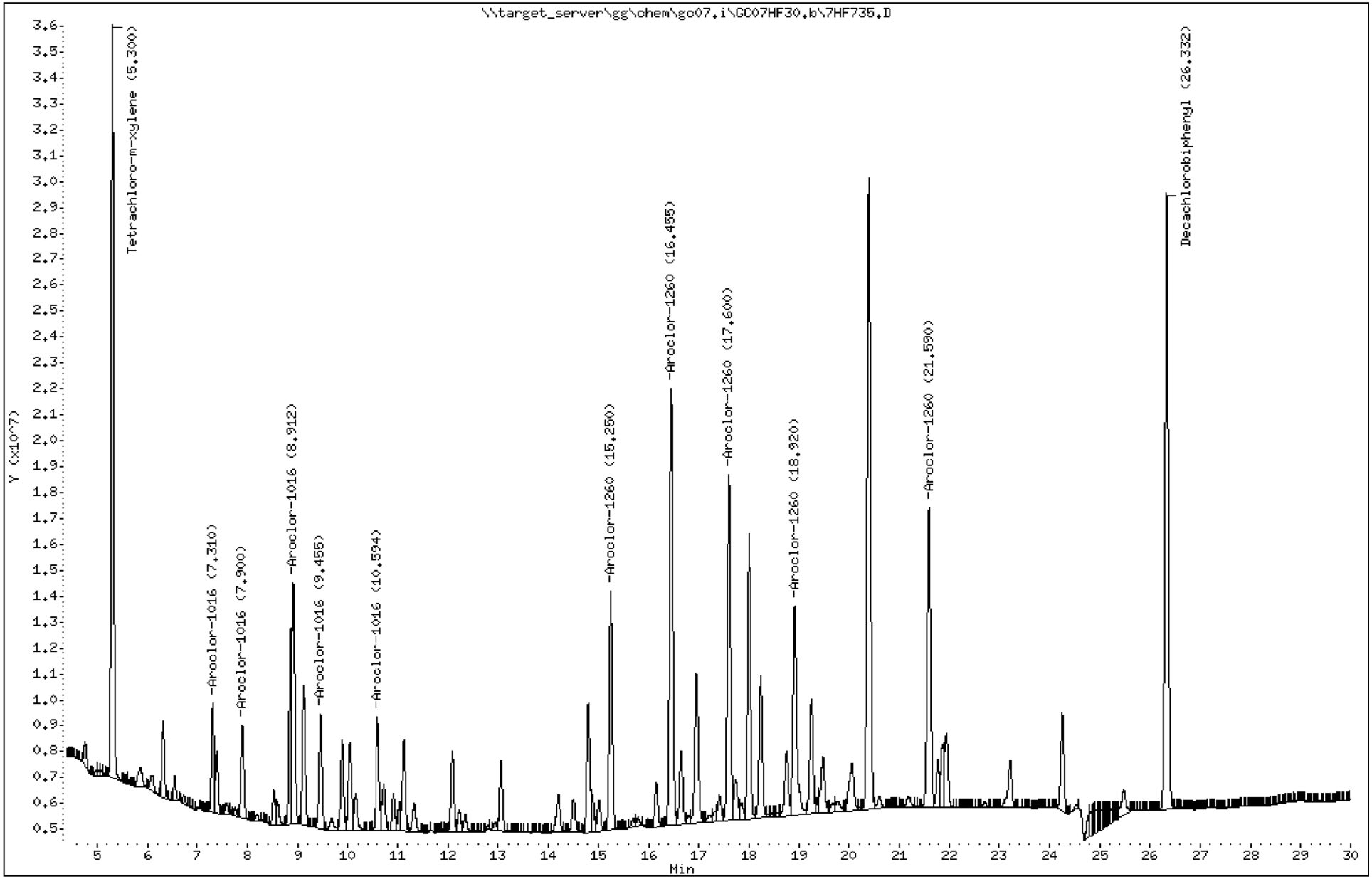
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Lab Smp Id: WG145483-2 Client Smp ID: WG145483-LCS
Inj Date : 30-JUN-2014 15:51
Operator : CB Inst ID: gc07.i
Smp Info : WG145483-2,WE53-7
Misc Info : WG145727,WG145483,WG144776-1,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.300	5.302	-0.002	29054516	0.02981	0.0596			(aR)
6 Aroclor-1016					CAS #: 12674-11-2			
7.310	7.316	-0.006	4199842	0.22958	0.459	80.00- 120.00	100.00	
7.900	7.907	-0.007	3544827	0.23148	0.463	158.77- 238.15	84.40	
8.911	8.919	-0.008	9305946	0.25946	0.519	296.98- 445.46	221.58	
9.455	9.464	-0.009	4425430	0.27194	0.544	114.78- 172.16	105.37	
10.593	10.604	-0.011	4378133	0.29361	0.587	112.32- 168.48	104.25	
		Average of Peak Concentrations =			0.514			
9 Aroclor-1260					CAS #: 11096-82-5			
15.250	15.261	-0.011	9186667	0.32060	0.641	80.00- 120.00	100.00	
16.455	16.467	-0.012	16868727	0.31942	0.639	94.69- 142.03	183.62	
17.600	17.614	-0.014	13349912	0.31587	0.632	89.28- 133.92	145.32	
18.920	18.931	-0.011	8057239	0.34999	0.700	72.48- 108.72	87.71	
21.590	21.602	-0.012	11582748	0.34324	0.686	0.00- 0.00	126.08	
		Average of Peak Concentrations =			0.660			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
26.331	26.356	-0.025	23755705	0.06147	0.123			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF735.D
Date : 30-JUN-2014 15:51
Client ID: WG145483-LCS
Instrument: gc07.i
Sample Info: WG145483-2,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



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Data File: 7HF735.D
Report Date: 15-Jul-2014 15:15

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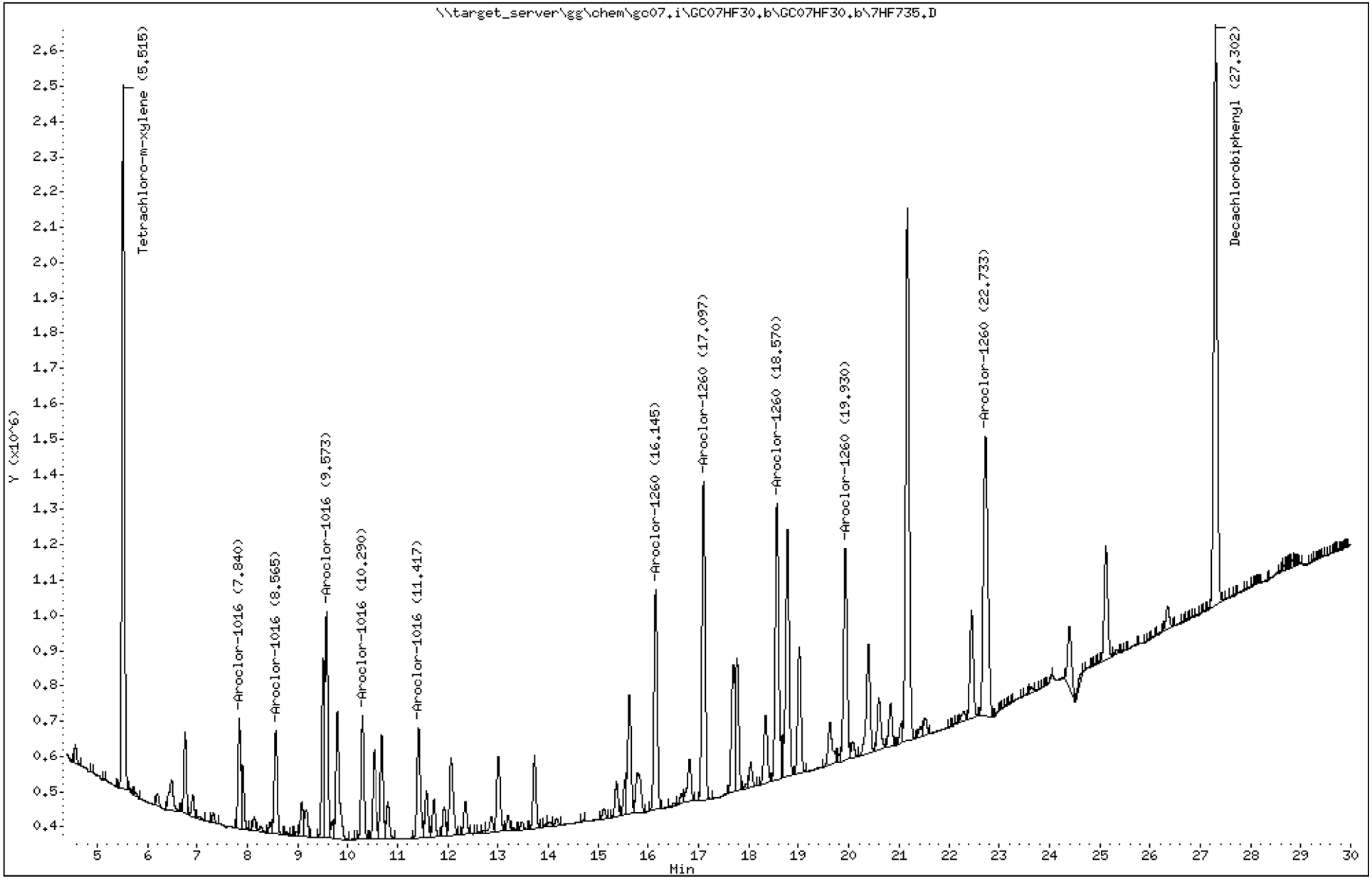
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Lab Smp Id: WG145483-2 Client Smp ID: WG145483-LCS
Inj Date : 30-JUN-2014 15:51
Operator : CB Inst ID: gc07.i
Smp Info : WG145483-2,WE53-7
Misc Info : WG145727,WG145483,WG144776-1,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.514	5.519	-0.005	1994907	0.02885	0.0577			(aR)
5 Aroclor-1016					CAS #: 12674-11-2			
7.839	7.844	-0.005	310886	0.21346	0.427	80.00- 120.00	100.00	
8.564	8.569	-0.005	292604	0.22957	0.459	158.77- 238.15	94.12	
9.573	9.580	-0.007	639178	0.24587	0.492	296.98- 445.46	205.60	
10.289	10.297	-0.008	349860	0.25256	0.505	114.78- 172.17	112.54	
11.416	11.425	-0.009	311174	0.27103	0.542	112.32- 168.48	100.09	
		Average of Peak Concentrations =			0.485			
9 Aroclor-1260					CAS #: 11096-82-5			
16.144	16.152	-0.008	621923	0.28110	0.562	80.00- 120.00	100.00	
17.096	17.107	-0.011	904173	0.27449	0.549	94.69- 142.03	145.38	
18.569	18.582	-0.013	782117	0.27736	0.555	89.28- 133.92	125.76	
19.929	19.944	-0.015	600178	0.29388	0.588	72.48- 108.72	96.50	
22.733	22.739	-0.006	790808	0.29488	0.590	0.00- 0.00	127.16	
		Average of Peak Concentrations =			0.569			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
27.301	27.312	-0.011	1645342	0.05614	0.112			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF735.D
Date : 30-JUN-2014 15:51
Client ID: WG145483-LCS
Instrument: gc07.i
Sample Info: WG145483-2,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000205

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF736.D
Report Date: 15-Jul-2014 15:15

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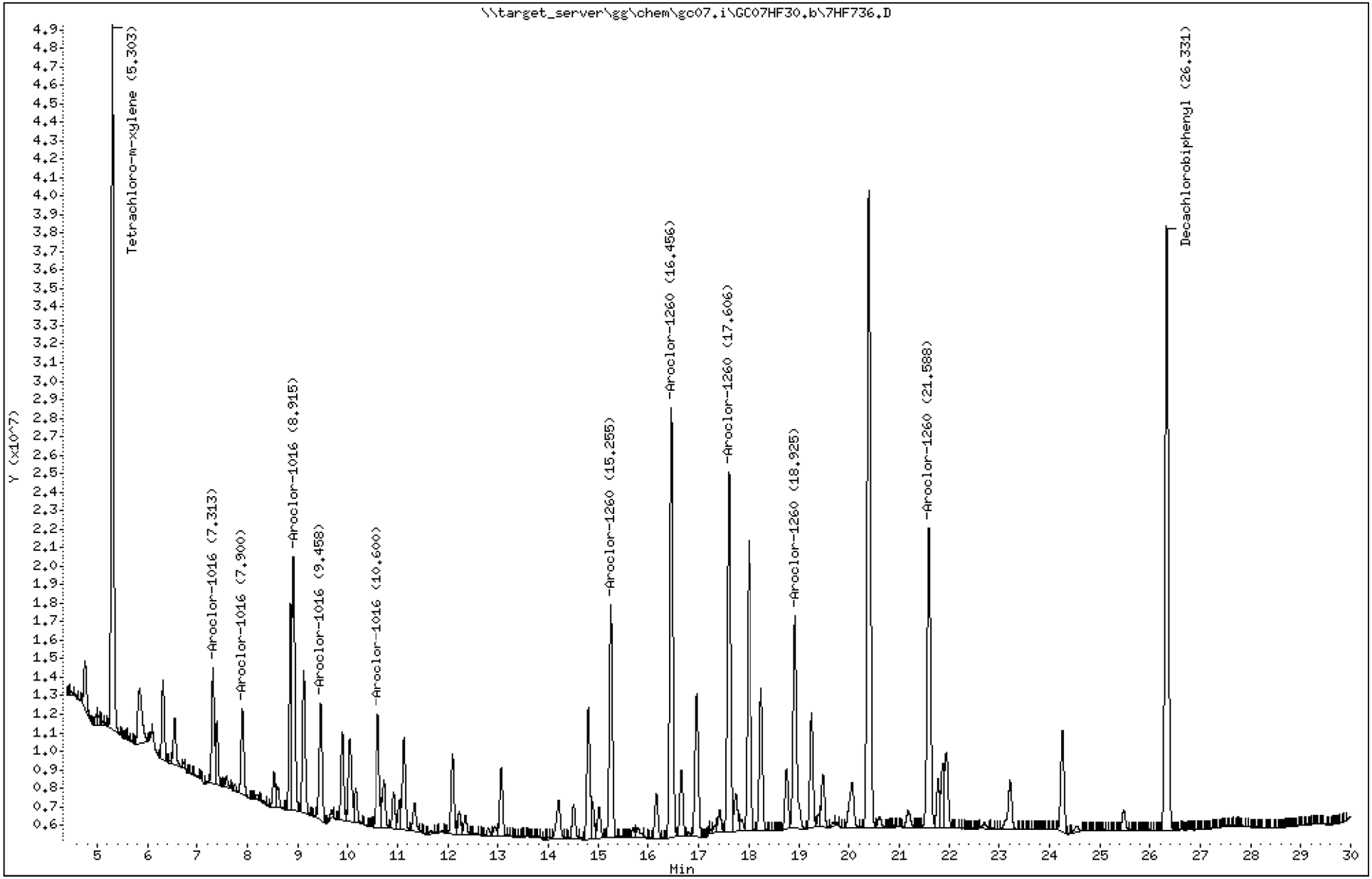
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Lab Smp Id: WG145483-3 Client Smp ID: WG145483-LCSD
Inj Date : 30-JUN-2014 16:27
Operator : CB Inst ID: gc07.i
Smp Info : WG145483-3,WE53-7
Misc Info : WG145727,WG145483,WG144776-1,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 7 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.302	5.302	0.000	38094952	0.03970	0.0794		(aR)	
6 Aroclor-1016					CAS #: 12674-11-2			
7.312	7.316	-0.004	6274318	0.34905	0.698	80.00- 120.00	100.00	
7.899	7.907	-0.008	4628776	0.30175	0.604	158.77- 238.15	73.77	
8.914	8.919	-0.005	13730038	0.38139	0.763	296.98- 445.46	218.83	
9.457	9.464	-0.007	6312955	0.39543	0.791	114.78- 172.16	100.62	
10.599	10.604	-0.005	6126963	0.41824	0.836	112.32- 168.48	97.65	
		Average of Peak Concentrations =			0.738			
9 Aroclor-1260					CAS #: 11096-82-5			
15.254	15.261	-0.007	12578642	0.43645	0.873	80.00- 120.00	100.00	
16.456	16.467	-0.011	23231679	0.43329	0.866	94.69- 142.03	184.69	
17.606	17.614	-0.008	19409909	0.45521	0.910	89.28- 133.92	154.31	
18.924	18.931	-0.007	11479342	0.49085	0.982	72.48- 108.72	91.26	
21.587	21.602	-0.015	16190650	0.47140	0.943	0.00- 0.00	128.72	
		Average of Peak Concentrations =			0.915			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
26.331	26.356	-0.025	32662850	0.08322	0.166			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\7HF736.D
Date : 30-JUN-2014 16:27
Client ID: WG145483-LCSD
Instrument: gc07.i
Sample Info: WG145483-3,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



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Data File: 7HF736.D
Report Date: 15-Jul-2014 15:15

Katahdin Analytical Services

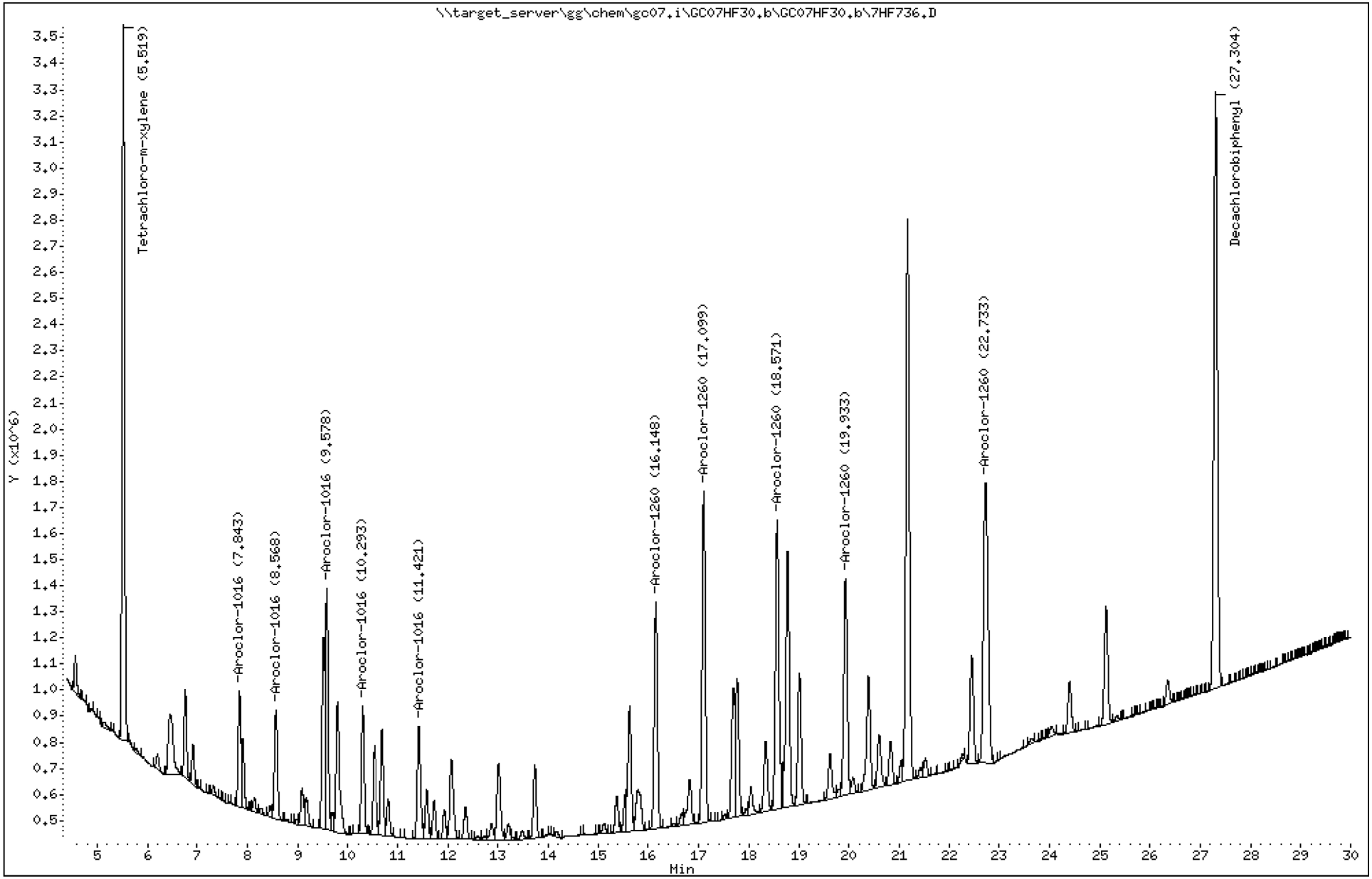
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Lab Smp Id: WG145483-3 Client Smp ID: WG145483-LCSD
Inj Date : 30-JUN-2014 16:27
Operator : CB Inst ID: gc07.i
Smp Info : WG145483-3,WE53-7
Misc Info : WG145727,WG145483,WG144776-1,SH4521-12
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HF30.b\PCB074.m\PCB074.m
Meth Date : 01-Jul-2014 11:47 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 7 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.519	5.519	0.000	2741524	0.03989	0.0798			(aR)
5 Aroclor-1016					CAS #: 12674-11-2			
7.842	7.844	-0.002	443693	0.32807	0.656	80.00- 120.00	100.00	
8.567	8.569	-0.002	414325	0.34676	0.694	158.77- 238.15	93.38	
9.577	9.580	-0.003	922342	0.36996	0.740	296.98- 445.46	207.88	
10.292	10.297	-0.005	491316	0.37367	0.747	114.78- 172.17	110.73	
11.420	11.425	-0.005	431133	0.39344	0.787	112.32- 168.48	97.17	
		Average of Peak Concentrations =			0.725			
9 Aroclor-1260					CAS #: 11096-82-5			
16.147	16.152	-0.005	866464	0.40743	0.815	80.00- 120.00	100.00	
17.099	17.107	-0.008	1267299	0.39658	0.793	94.69- 142.03	146.26	
18.570	18.582	-0.012	1107127	0.40634	0.813	89.28- 133.92	127.78	
19.932	19.944	-0.012	828727	0.41642	0.833	72.48- 108.72	95.64	
22.732	22.739	-0.007	1073372	0.41268	0.825	0.00- 0.00	123.88	
		Average of Peak Concentrations =			0.816			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
27.304	27.312	-0.008	2285131	0.07836	0.157			

Data File: \\target_server\gg\chem\gc07.i\GC07HF30.b\GC07HF30.b\7HF736.D
Date : 30-JUN-2014 16:27
Client ID: WG145483-LCSD
Instrument: gc07.i
Sample Info: WG145483-3,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000209

LCS/LCSD Recovery Report

LCS ID: WG146110-2
LCSD ID: WG146110-3
Project:
SDG: WE53-7
Report Date: 15-JUL-14
LCS File ID: 7HG294.D

Received Date:
Extract Date: 08-JUL-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG146110
LCSD File ID: 7HG295.D

Analysis Date: 10-JUL-14
Analyst: CB
Analysis Method: SW846 8082A
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Aroclor-1016	0.500	0.371	74.2	0.423	84.6	ug/L	13	30	25-145
Aroclor-1260	0.500	0.437	87.4	0.520	104.	ug/L	17	30	30-145
Tetrachloro-M-Xylene			69.6		78.6				62-111
Decachlorobiphenyl			83.7		84.7				40-135

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Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG294.D
Report Date: 15-Jul-2014 15:11

Katahdin Analytical Services

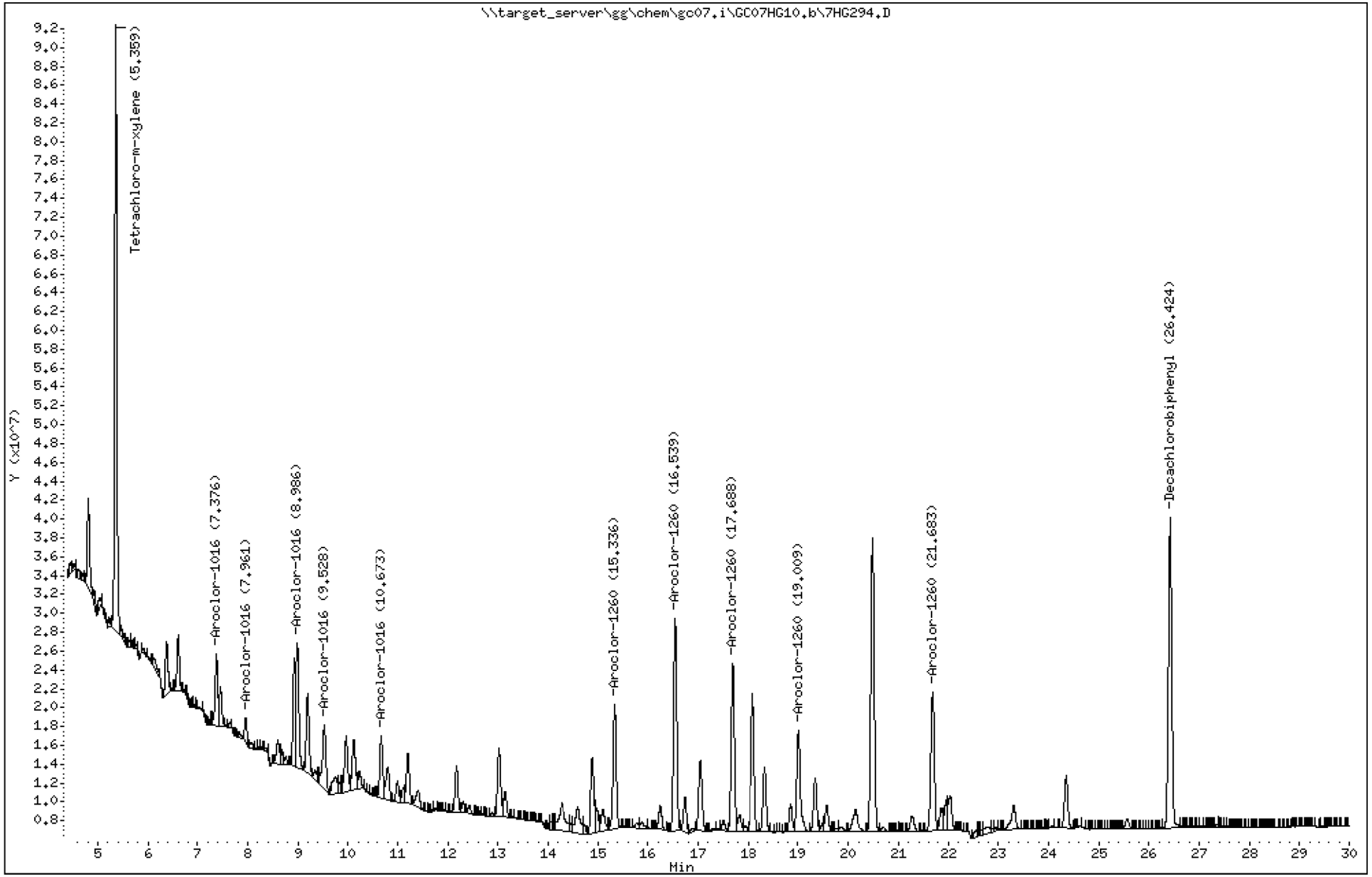
Data file : \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG294.D
Lab Smp Id: WG146110-2 Client Smp ID: WG146110-LCS
Inj Date : 10-JUL-2014 18:06
Operator : CB Inst ID: gc07.i
Smp Info : WG146110-2,WE53-7
Misc Info : WG146326,WG146110,WG144776-1,SH4521-10
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HG10.b\PCB074.m
Meth Date : 11-Jul-2014 08:54 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 52 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.359	5.351	0.008	64261804	0.06958	0.0696			
6 Aroclor-1016					CAS #: 12674-11-2			
7.375	7.370	0.005	7552614	0.42317	0.423	80.00- 120.00	100.00	
7.960	7.963	-0.003	2695960	0.17668	0.177	158.77- 238.15	35.70	
8.985	8.981	0.004	13232819	0.36771	0.368	296.98- 445.46	175.21	
9.527	9.530	-0.003	6932332	0.43590	0.436	114.78- 172.16	91.79	
10.672	10.670	0.002	6606195	0.45235	0.452	112.32- 168.48	87.47	
Average of Peak Concentrations =					0.371			
9 Aroclor-1260					CAS #: 11096-82-5			
15.335	15.336	-0.001	13175190	0.45677	0.457	80.00- 120.00	100.00	
16.539	16.536	0.003	22432270	0.41900	0.419	94.69- 142.03	170.26	
17.687	17.685	0.002	17717102	0.41638	0.416	89.28- 133.92	134.47	
19.009	19.005	0.004	10756189	0.46114	0.461	72.48- 108.72	81.64	
21.682	21.681	0.001	14697466	0.42996	0.430	0.00- 0.00	111.55	
Average of Peak Concentrations =					0.437			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
26.424	26.418	0.006	32857943	0.08369	0.0837			

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG294.D
Date : 10-JUL-2014 18:06
Client ID: WG146110-LCS
Instrument: gc07.i
Sample Info: WG146110-2,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000212

Data File: 7HG294.D
Report Date: 15-Jul-2014 15:12

Katahdin Analytical Services

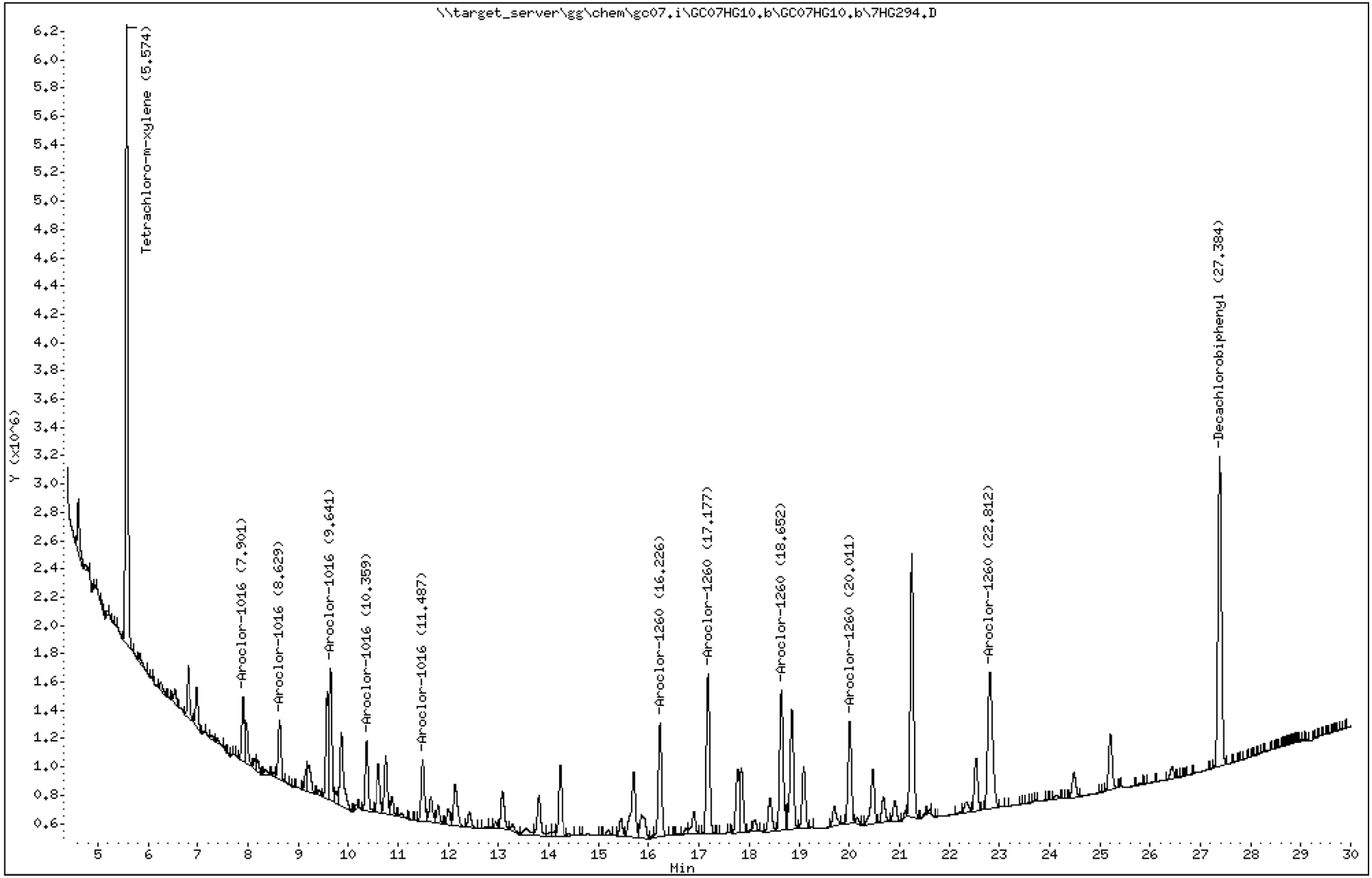
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Lab Smp Id: WG146110-2 Client Smp ID: WG146110-LCS
Inj Date : 10-JUL-2014 18:06
Operator : CB Inst ID: gc07.i
Smp Info : WG146110-2,WE53-7
Misc Info : WG146326,WG146110,WG144776-1,SH4521-10
Comment :
Method : \\TARGET_SERVER\GG\chem\gc07.i\GC07HG10.b\PCB074.m\PCB074.m
Meth Date : 15-Jul-2014 11:47 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 52 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.573	5.555	0.018	4381348	0.06410	0.0641			
5 Aroclor-1016					CAS #: 12674-11-2			
7.900	7.884	0.016	450524	0.33398	0.334	80.00- 120.00	100.00	
8.628	8.612	0.016	414241	0.34668	0.347	158.77- 238.15	91.95	
9.640	9.625	0.015	936729	0.37627	0.376	296.98- 445.46	207.92	
10.358	10.340	0.018	492605	0.37477	0.375	114.78- 172.17	109.34	
11.487	11.470	0.017	431362	0.39368	0.394	112.32- 168.48	95.75	
		Average of Peak Concentrations =			0.365			
9 Aroclor-1260					CAS #: 11096-82-5			
16.225	16.204	0.021	808561	0.37752	0.378	80.00- 120.00	100.00	
17.177	17.159	0.018	1127322	0.34949	0.349	94.69- 142.03	139.42	
18.652	18.632	0.020	992079	0.36067	0.361	89.28- 133.92	122.70	
20.010	19.992	0.018	720727	0.35850	0.358	72.48- 108.72	89.14	
22.812	22.792	0.020	964808	0.36742	0.367	0.00- 0.00	119.32	
		Average of Peak Concentrations =			0.363			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
27.383	27.365	0.018	2188568	0.07500	0.0750			

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG294.D
Date : 10-JUL-2014 18:06
Client ID: WG146110-LCS
Instrument: gc07.i
Sample Info: WG146110-2,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000214

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG295.D
Report Date: 15-Jul-2014 15:11

Katahdin Analytical Services

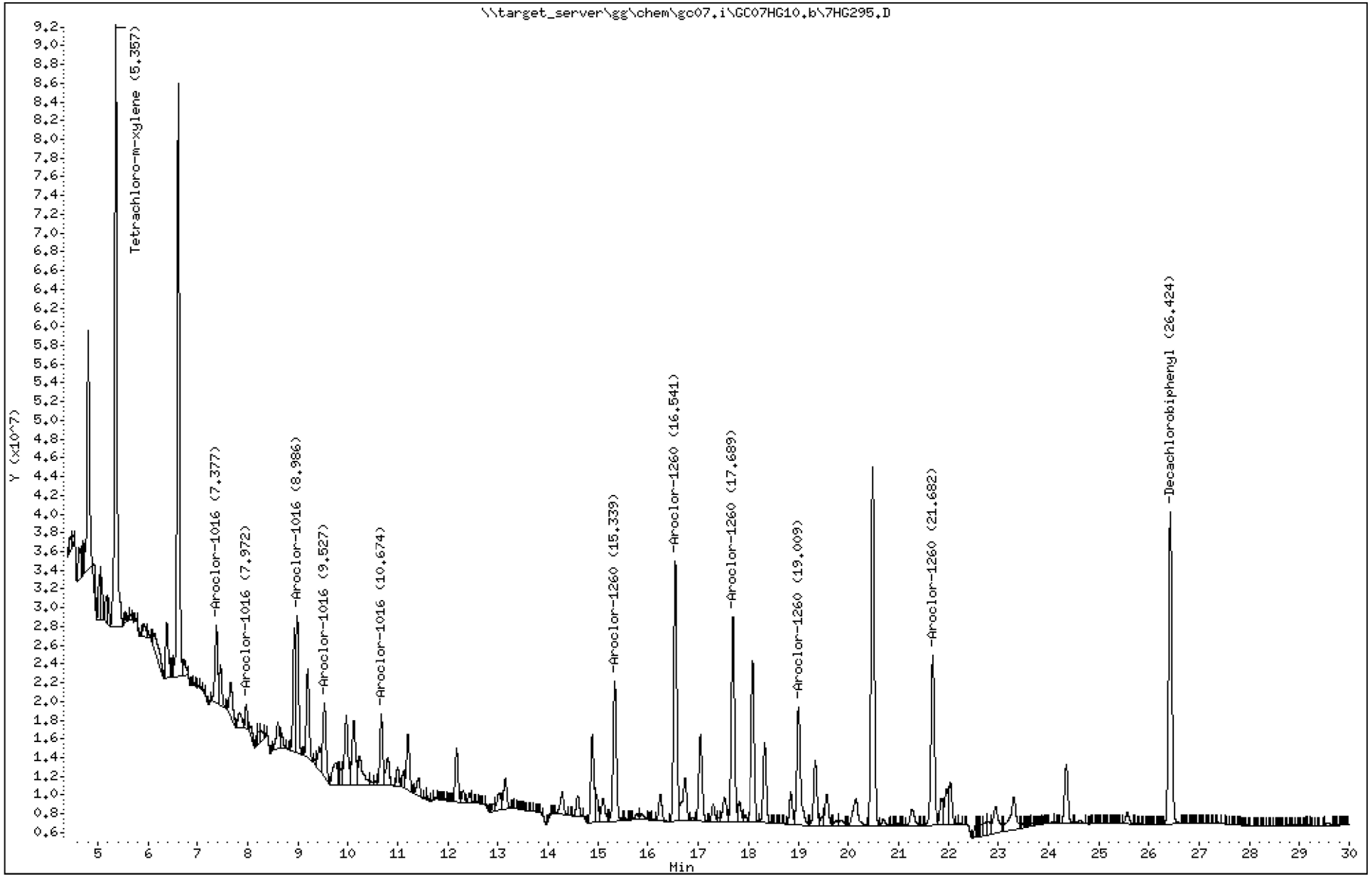
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Lab Smp Id: WG146110-3 Client Smp ID: WG146110-LCSD
Inj Date : 10-JUL-2014 18:42
Operator : CB Inst ID: gc07.i
Smp Info : WG146110-3,WE53-7
Misc Info : WG146326,WG146110,WG144776-1,SH4521-10
Comment :
Method : \\target_server\gg\chem\gc07.i\GC07HG10.b\PCB074.m
Meth Date : 11-Jul-2014 08:54 cbyrne Quant Type: ESTD
Cal Date : 14-JUN-2014 04:12 Cal File: 7HF325.D
Als bottle: 53 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.357	5.351	0.006	64209570	0.06952	0.0695			
6 Aroclor-1016					CAS #: 12674-11-2			
7.377	7.370	0.007	8349517	0.46956	0.470	80.00- 120.00	100.00	
7.972	7.963	0.009	2685708	0.17601	0.176	158.77- 238.15	32.17	
8.985	8.981	0.004	14752280	0.40950	0.409	296.98- 445.46	176.68	
9.527	9.530	-0.003	8010135	0.50628	0.506	114.78- 172.16	95.94	
10.673	10.670	0.003	7565898	0.52062	0.521	112.32- 168.48	90.61	
		Average of Peak Concentrations =			0.416			
9 Aroclor-1260					CAS #: 11096-82-5			
15.338	15.336	0.002	14859523	0.51405	0.514	80.00- 120.00	100.00	
16.540	16.536	0.004	27732979	0.51364	0.514	94.69- 142.03	186.63	
17.688	17.685	0.003	21808419	0.51011	0.510	89.28- 133.92	146.76	
19.008	19.005	0.003	12618222	0.53757	0.538	72.48- 108.72	84.92	
21.682	21.681	0.001	18133473	0.52520	0.525	0.00- 0.00	122.03	
		Average of Peak Concentrations =			0.520			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
26.423	26.418	0.005	33272236	0.08468	0.0847			

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\7HG295.D
Date : 10-JUL-2014 18:42
Client ID: WG146110-LCSD
Instrument: gc07.i
Sample Info: WG146110-3,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-1
Column diameter: 0.53



Katahdin Analytical Services 8000216

Data File: 7HG295.D
Report Date: 15-Jul-2014 15:12

Katahdin Analytical Services

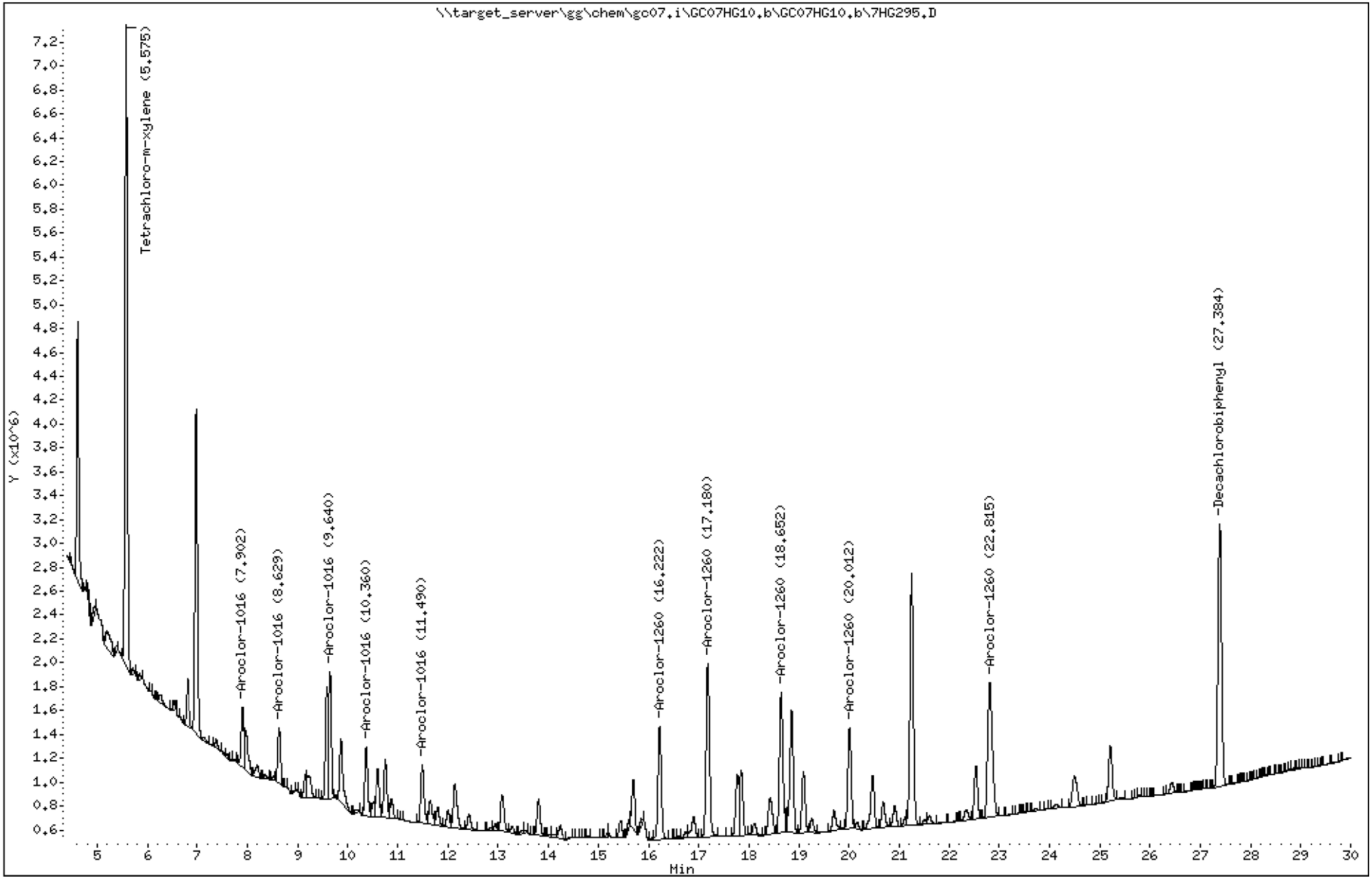
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Lab Smp Id: WG146110-3 Client Smp ID: WG146110-LCSD
Inj Date : 10-JUL-2014 18:42
Operator : CB Inst ID: gc07.i
Smp Info : WG146110-3,WE53-7
Misc Info : WG146326,WG146110,WG144776-1,SH4521-10
Comment :
Method : \\TARGET_SERVER\GG\chem\gc07.i\GC07HG10.b\PCB074.m\PCB074.m
Meth Date : 15-Jul-2014 11:47 gc07.i Quant Type: ESTD
Cal Date : 14-JUN-2014 06:00 Cal File: 7HF328.D
Als bottle: 53 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: LCSDoD.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: V200T5

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.575	5.555	0.020	5367646	0.07865	0.0786			
5 Aroclor-1016					CAS #: 12674-11-2			
7.901	7.884	0.017	501845	0.37838	0.378	80.00- 120.00	100.00	
8.628	8.612	0.016	460985	0.39180	0.392	158.77- 238.15	91.86	
9.640	9.625	0.015	1064018	0.43215	0.432	296.98- 445.46	212.02	
10.360	10.340	0.020	583724	0.45290	0.453	114.78- 172.17	116.32	
11.490	11.470	0.020	495570	0.45927	0.459	112.32- 168.48	98.75	
Average of Peak Concentrations =					0.423			
9 Aroclor-1260					CAS #: 11096-82-5			
16.221	16.204	0.017	948415	0.44978	0.450	80.00- 120.00	100.00	
17.180	17.159	0.021	1454939	0.45976	0.460	94.69- 142.03	153.41	
18.651	18.632	0.019	1175860	0.43362	0.434	89.28- 133.92	123.98	
20.011	19.992	0.019	847209	0.42633	0.426	72.48- 108.72	89.33	
22.815	22.792	0.023	1124488	0.43399	0.434	0.00- 0.00	118.56	
Average of Peak Concentrations =					0.441			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
27.383	27.365	0.018	2191076	0.07509	0.0751			

Data File: \\target_server\gg\chem\gc07.i\GC07HG10.b\GC07HG10.b\7HG295.D
Date : 10-JUL-2014 18:42
Client ID: WG146110-LCSD
Instrument: gc07.i
Sample Info: WG146110-3,WE53-7
Purge Volume: 1.0
Operator: CB
Column phase: ZB-MultiResidue-2
Column diameter: 0.53



Katahdin Analytical Services 8000218

Logbooks and Supporting Documents

P/P DOU
F.V: 2ml TCLP

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - AQUEOUS PESTICIDE/PCB

Extraction Method: (check one)	SW846 3520 (CLLE)		SW846 3510 (SEP) ✓		SW846 3535 (SPE)	
Analytical Method: (check one)	SW846 8081 ✓	SW846 8082 ✓	EPA 608	CLP OLM04.2	CLP OLC2.1	Other:
Standards	Surrogate ID: GC1373		Spike ID: PCB: GC1356 Pest: GC1358		Spike ID: Tox: GC1365	
Solvents	Solvent Lot # (Med2): DK982		Solvent Lot # (Hexane): DK083		Solvent Lot # (Acetone): —	
Consumables	Filter Paper Lot # EC0/0370		Acid Lot # 50730		$NaSO_4$ Lot # 271402	
Nitrogen Bath Temperature: 30°C		Vial Lot #:				
Prep Start Time: 1500		Prep End Time: 1820		CLLE Start Time:		CLLE End Time:

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
6-26-14	AM	WG145481-1 WG145483-1	1000	0.2ml	MR	✓	✓	2	6/27/14	D7	KF			✓		8021: R279621 PCB'S: R279622
		WG145481-2			0.2ml					8						
		-3								9						
		-4		0.2ml 6-26-14						10						
		-9	200	1ml	MR			10		11						Tox Pest 1467 5 to 100ml w DI TCLP Blank H_2O
		-6	1060		1ml					D12						MS SH4662-201
		-7	1060							E1						MSD SH4662-231
		WG145483-2	1000	0.2ml	0.2ml		✓	2		2				✓		
		-3								3				✓		
		-4	1000	1ml	1ml			10		4				✓		MS SH4662-281
		-5	1060							E5				✓		MSD SH4662-271

EX-002 – Revision 1 – 10/15/09

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
6-26-14	AM	SH4521-10	1060	0.2ml	MR		✓	2	6-27-14	E6	KF			✓		
		-12	1050							7						
		-16 N	1050							8						
		-18 N	1060							9						MS+ cont. fortified
		-20	1060							10						
		-22 N	1060							11						
		-24	1080			✓				E12						
		SH4523-9 P	1090							F1						
		-22 P	1090							2						
		SH4553-1 B	200	1ml				10		3						
		SH4549-1 B								4						TCLP To 100ml w DI H2O
		-3 B								5						
		SH4662-1 Q	1060				✓			6				✓		
		-2 T1	1010							7						MS/D
		-3 Q	1040							8						
		-5 J	1000							F9						
											KF	6-27-14				

EX-002 – Revision 1 – 10/15/09

P/P DDD
SEP FV= 1 mL

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - AQUEOUS PESTICIDE/PCB

1/9

Extraction Method: (check one)	SW846 3520 (CLLE)		SW846 3510 (SEP) ✓		SW846 3535 (SPE)	
Analytical Method: (check one)	SW846 8081 ✓	SW846 8082 ✓	EPA 608	CLP OLM04.2	CLP OLC2.1	Other:
Standards	Surrogate ID: GC1373		Spike ID: Pest GC1358 PCB GC1360		Spike ID: TOX GC1365	
Solvents	Solvent Lot # (MeCl2): DK4902		Solvent Lot # (Hexane): DK0103		Solvent Lot # (Acetone): —	
Consumables	Filter Paper Lot # FC01070		Acid Lot # 50730		$NaSO_4$ Lot # 279140502	
Nitrogen Bath Temperature: 38°C		Vial Lot #:				
Prep Start Time: 1330		Prep End Time: 1500	CLLE Start Time:		CLLE End Time:	

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
7-8-14	KF	WG/146109-1	1000	0.1	NR	✓	✓	1	7-9-14	C6/C7	KF			✓		Pest-RJ80950
		WG/146110-1														RE-RJ80951
		WG/146109-2			0.1	✓				C8						
		-3				✓				C9						
		-4				✓				C10						TOX
		WG/146110-2					✓			D1				✓		
		-3					✓			D2				✓		
													KF	7-9-14		

EX-002 – Revision 1 – 10/15/09

QAEX260 0000070

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Surr. Vol.	Spike Vol.	Fraction: Pest	Fraction: PCB	Final Vol. mL	Date Conc.	Tray Location	Initials	Clean-Up: GPC	Clean-Up: Flor.	Clean-Up: Acid Wash	Clean-Up: Other	Comments
~~SH-7-14~~	KF	SH4662-1R RE	980	0.1	NR	✓	✓	1	7-9-14	D3/D4	KF					RE
		-2 V1	980							D5/D6						
		-3R	1030							D7/D8						em-S.S.
		-5I	1030			✓	✓			D9/D10						
		SH4521-10N	1030				✓			E1						em-S.S.
		-22O	1050							E2						em-S.S.
		SH4611-1G	1060							E3						
		-2G	1040							E4						
													KF	7-9-14		

EX-002 – Revision 1 – 10/15/09

Katahdin Analytical Services, Inc.

GC Laboratory Instrument Runlog

Instrument: GC07

Amount Injected: 2 uL

Column Numbers: 406/407

Method: SW846 (8082) / EPA 608 (circle)

Standard	Standard ID

Date	Init.	Result File	Sample ID	Y/N	Analytical Workgroup	Method	Comments
6/13/14	CB	7MF302	PRIME	N	WG144776	PCB074	
		303	ARL660 1.0	Y	-1,2		P7231
		304	0.05		-3,4		P7241
		305	0.1		-5,6		P7242
		306	0.25		-7,8		P7225
		307	2.5		-9,10		P7244
		308	10		-11,12		P7234
		309	AR1016 1.0	Y	-13		P7244
		310	AR1260 1.0	Y	-14		P7245
		311	AR1242 1.0	Y	-15,16		P7235
		312	0.05		-17,18		P7236
		313	0.1		-19,20		P7237
		314	0.25		-21,22		P7238
		315	2.5		-23,24		P7239
		316	10		-25,26		P7234
		317	AR1248 1.0		-27,28		P7267
		318	0.05		-29,30		P7266
6/14/14		319	0.1		-31,32		P7267
		320	0.25		-33,34		P7238
		321	2.5		-35,36		P7239
		322	10		-37,38		P7234
		323	AR1254 1.0		-39,40		P7254
		324	0.05		-41,42		P7240
		325	0.1		-43,44		P7241
		326	0.25		-45,46		P7242
		327	2.5		-47,48		P7243
		328	10		-49,50		P7248
		329	AR1221 1.0		-51,52		P7249
		330	AR1232 1.0		-53,54		P7255
		331	AR1262 1.0		-55,56		P7296

Katahdin Analytical Services, Inc.

GC Laboratory Instrument Runlog

Instrument: GC07

Amount Injected: 2 uL

Column Numbers: 406/407

Method: SW846 (8082) EPA 608 (circle)

Standard	Standard ID
AR1660 1.0	P7231
AR1242 1.0	P7235
AR1248 1.0	P7247
AR1254 1.0	P7250
AR1660 0.25	P7225

Date	Init.	Result File	Sample ID	Y/N	Analytical Workgroup	Method	Comments
6/4/14	CB	7HF332	AR1660 1.0	Y	WG144776	PCB074	P7197
		333	WG144080-1CA 35uO	Y			
		334	-2				
		335	-3				
		336	-4				
		337	-5				
		338	WG144134-1				
		339	-2				
		340	-3				
		341	SM3820-1CA				
		342	-2J				↓DUB A
		343	RINSE	N			
		344	AR1660 1.0	Y	-59,60		
		345	AR1242 1.0	Y	-61,62		
		346	AR1248 1.0				
		347	AR1254 1.0				
		348	SM3820-3RA 35uO	Y			
		349	-4	N			↓TUA
		350	-5				
		351	-6				
		352	-7 DL	N			
		353	-8 RA				ei.40
		354	-9				
		355	-10				↓TUA+B
		356	-11				↑TUA
		357	-12				↓DUB A
6/5/14		358	RINSE	N			
		359	AR1660 0.25	Y	-63,64		↓LOA
		360	AR1242 1.0	Y	-65,66		
		361	AR1248 1.0				

Katahdin Analytical Services, Inc.

C Laboratory Instrument Runlog

strument: GC07

nount Injected: 2 uL

olumn Numbers: 406/407

ethod: SW846 8082 EPA 608

ircle)

Standard	Standard ID
AR1660 1.0	P7279
AR1242 1.0	P7235
AR1248 1.0	~~P7258~~ P7267
AR1254 1.0	P7250
AR1660 0.25	P7280

Date	Init.	Result File	Sample ID	Y/N	Analytical Workgroup WG145521	Method	Comments
6/27/14	CB	7HF711	SH3942-1RE 3540	N	~~WG145521~~ WG145730	PCB07M	not needed
↓	↓	712	↓ -1S ↓	↓			↓
6/28/14		713	AR1660 0.25	Y			↑↓TCE A
		714	AR1242 1.0				
		715	AR1254 1.0				
		716	AR1248 1.0	↓			
		717	SH3942-1RE 3540	Y			↓TA
		718	-3				
		719	-5				
		720	-6				
		721	-9				↓TA
		722	SH4646-1DL	↓			ex-2-mat
		723	AR1660 1.0	Y			10 dil B
		724	AR1242 1.0				
		725	AR1254 1.0				
		726	AR1254 1.0	↓			
6/30/14	CB	7HF727	PBLKE	N	WG145727	PCB07M	
		728	AR1660 1.0	Y	-1.2		
		729	AR1242 1.0	Y			
		730	AR1254 1.0	Y	-3.4		
		731	SH3942-4RE 3540	Y			
		732	SH4504-1 3540	Y			↓TCE A+B
		733	↓ -2 ↓	N			needs 1:10 - 1240
		734	WG145483-1 3510	Y			↓TCE A+B
		735	-2	Y			↓TCE A+B
		736	-3	Y			↓TCE A+B
		737	-4				↓TCD A+B
		738	↓ -5				↓TCD A+B
		739	SH4523-9	Y			
↓	↓	740	↓ -22 ↓	Y	↓	↓	↓TCE B

Katahdin Analytical Services, Inc.

GC Laboratory Instrument Runlog

Instrument: GC07

Amount Injected: 2 uL

Column Numbers: 406/407

Method: SW846 8082 EPA 608 (circle)

Standard	Standard ID
AR1660 1.0	P7279
AR1242 1.0	P7235
AR1248 1.0	P7267
AR1254 1.0	P7250
AR1660 0.25	P7280

Date	Init.	Result File	Sample ID	Y/N	Analytical Workgroup	Method	Comments
6/30/14	CB	7MF741	AR1660 0.25	Y	WG145727 5.6	PCB074	
		742	AR1242 1.0	↓			
		743	AR1254 1.0	↓	-7,10		
		744	SHM521-10 3510				↓T+DA+B
		745	-12	Y			↓T A+B
		746	-16	Y			↓TCE A+B
		747	-18	Y			↓TCE A+B
		748	-20	Y			↓TCE A+B
7/1/14		749	-22	Y			↓T+D A+B
		750	-24	Y			
		751	SHM662-1				↓T+D A+B
		752	-2	Y			
		753	-3	Y			
		754	AR1660 1.0	Y	-9,10		↑60+DCB A
		755	AR1242 1.0	Y			
		756	AR1254 1.0	Y	-11,12		
		757	SHM662-5 3510	Y			
		758	SHM479-2EA 3540	N			no Surrogate-RE
		759	WG145960-1EA 3550	Y			3640
		760	-2	Y			↑T, D, 16 A ↑DCB B
		761	-3	Y			↑AR A ↑60+DCB B
		762	SHM595-1 EA	Y			↑DCB A+B
		763	J -3	Y			↑DCB A+B
		764	RINSE	N			
		765	AR1660 0.25	Y	-13,14		↓16+DCB A 60 B
		766	AR1242 1.0				
		767	~~AR1660~~ AR1254 1.0		-15,16		
			Clipped column + changed liner CB 7/1/14				

Katahdin Analytical Services, Inc.

GC Laboratory Instrument Runlog

Instrument: GC07

Amount Injected: 2 uL

Column Numbers: 406/407

Method: SW846 (8082) / EPA 608

(circle)

Standard	Standard ID
AR1660 1.0	P7279
AR1262 1.0	P7235
AR1248 1.0	P7267
AR1254 1.0	P7258
AR1660 0.25	P7280

Date	Init.	Result File	Sample ID	Y/N	Analytical Workgroup	Method	Comments
7/10/14	CB	7MH277	AR1262 1.0	Y	WH146240	PCB024	
↓	↓	↓ 278	AR1254 1.0	Y	↓	↓	
7/10/14	CB	7MH279	SHH522-7RE2	Y	WH146326	PCB024	LTFD A
		280	↓ -8RE2	Y			↓TFD A
		281	↓ -9RE2	Y			↓TFD A+B
		282	WH146163-1 RA 3550				
		283	↓ -2				
		284	↓ -3 ↓				
		285	SHH983-1 DLRA				ei.s ↑DCB A
		286	↓ -2				↓
		287	↓ -3 ↓ ↓				↓ TDCB A
		288	SHH523-1RA	↓			↓TFE A+B
		289	RINSE	N			dark st samples
		290	AR1660 0.25	Y	-1.2		↓660 B
		291	AR1262 1.0	Y	-3,4		
		292	AR1254 1.0	Y	-5,6		
		293	WH146110-1 3510				↓TFE B
		294	↓ -2				
		295	↓ -3				
		296	SHH1662-1RE2				↓TFE B
		297	↓ -2				
		298	↓ -3				
		299	↓ -5 ↓				
		300	SHH521-10RE				
		301	↓ -22	↓			↓TFD A+B
		302	RINSE	N			dark samples
		303	AR1660 1.0	Y	-7,8		↑TFE A
7/10/14		304	AR1262 1.0	Y	-9,10		
↓	↓	305	AR1254 1.0	Y	-11,12		
		306	SHH611-1 3510	Y	↓	↓	↓TAFB ↓DB

Subject: FW: COCs for the samples received 6/20- Cutler WE53 FTA
From: "Peter Lemay" <plemay@katahdinlab.com>
Date: 7/8/2014 10:52 AM
To: "Carolyn Byrne " <cbyrne@katahdinlab.com>, <jprescott@katahdinlab.com>, <cgomez@katahdinlab.com>

From: Jennifer Obrin [mailto:jobrin@katahdinlab.com]
Sent: Tuesday, July 08, 2014 10:31 AM
To: 'Peter Lemay'
Subject: FW: COCs for the samples received 6/20- Cutler WE53 FTA

From: Samchuck, Joseph [mailto:Joseph.Samchuck@tetratech.com]
Sent: Tuesday, July 08, 2014 10:08 AM
To: Jennifer Obrin; Messmer, Mindi
Subject: RE: COCs for the samples received 6/20- Cutler WE53 FTA

Hi Jennifer,

1. Please re-extract the PCBs.
2. Please re-extract the Pesticides.
3. Please re-extract SVOA sample SH4400-12 only.

Thank you.

Joe

From: Jennifer Obrin [mailto:jobrin@katahdinlab.com]
Sent: Tuesday, July 08, 2014 6:43 AM
To: Samchuck, Joseph; Messmer, Mindi
Subject: RE: COCs for the samples received 6/20- Cutler WE53 FTA

Good Morning Joe and Mindi,

I have three non-conformances with attachments for you this morning.

1) PCB-- SH4400-3 had low DCB recovery on both channels A&B. Sample SH4522-5 had low DCB in both channels and low TCX in the B channel. SH4523-15 had low TCX and DCB in both channels. All QC is acceptable. There were hits for Aroclor 1260 in the samples. The samples had been GPC'd and brought to a final volume of 2mls. Please let me know if you would like the lab to re-extract.
2) Pesticide-- SH4400-2,4,6,7,8,10 and 12 as well as SH4523-18,19 and 21 had low TCX surrogate recoveries on both channels. The hold times for these samples were 7/1 and 7/2. Please let me know if you would like to have the lab re-extract or narrate.

3) SVOA—SH4400-3,9,12 and 15 had low surrogate recoveries. The hold time was 7/1. These samples were all noted on the extraction log as clay. Please let me know if you would like them to re-extract or narrate.

Thank you,

Jennifer Obrin
Federal Programs Project Manager
Katahdin Analytical Services
A Woman-Owned Small Business Enterprise
DoD ELAP Accredited
600 Technology Way
Scarborough, Maine 04074
Direct - 207.874.2400 x17
Cell - 207.333.7469
Fax - 207.775.4029

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From: Samchuck, Joseph [mailto:Joseph.Samchuck@tetratech.com]
Sent: Monday, July 07, 2014 7:40 AM
To: Messmer, Mindi; Jennifer Obrin
Subject: RE: COCs for the samples received 6/20- Cutler WE53 FTA

Jennifer,

Yes, I agree with re-extracting the samples.

Thanks.

Joe

From: Messmer, Mindi
Sent: Thursday, July 03, 2014 2:06 PM
To: Jennifer Obrin
Cc: Samchuck, Joseph
Subject: RE: COCs for the samples received 6/20- Cutler WE53 FTA

I'm sure Joe would say re-extract if he were here.

Thanks Jen.

Mindi F. Messmer | Senior Project Manager
Direct: 978.474.8402 | Fax: 978.474.8499 | Cellular: 603.498.8847
mindi.messmer@tetratech.com

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From: Jennifer Obrin [mailto:jobrin@katahdinlab.com]
Sent: Thursday, July 03, 2014 2:04 PM
To: Messmer, Mindi
Cc: Samchuck, Joseph
Subject: RE: COCs for the samples received 6/20- Cutler WE53 FTA

Mindi,

The PCB group has come to me with a non-conformance. Samples SH4521-10 and 22 (attached) had low TCX and DCB recoveries on both the A and B channels. There were no hits in the samples and all of the QC was acceptable. Please let me know if you would like the lab to re-extract these samples down to a 2ml FV again.

Thank you,

Jennifer Obrin
Federal Programs Project Manager
Katahdin Analytical Services
A Woman-Owned Small Business Enterprise
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600 Technology Way
Scarborough, Maine 04074
Direct - 207.874.2400 x17
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From: Messmer, Mindi [mailto:Mindi.Messmer@tetratech.com]
Sent: Thursday, July 03, 2014 6:58 AM
To: Jennifer Obrin
Cc: Samchuck, Joseph
Subject: RE: COCs for the samples received 6/20- Cutler WE53 FTA

Yes please reextract. Please also only cc myself and Joe Samchuck on data issues from now on.

Thanks,

Mindi F. Messmer | Senior Project Manager
Direct: 978.474.8402 | Fax: 978.474.8499 | Cellular: 603.498.8847
mindi.messmer@tetratech.com

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From: Jennifer Obrin [mailto:jobrin@katahdinlab.com]

Sent: Thursday, July 03, 2014 6:30 AM
To: Messmer, Mindi; Jalkut, Kayleen; Carper, Kelly
Subject: RE: COCs for the samples received 6/20- Cutler WE53 FTA

Good Morning,

The lab has come to me with a non-conformance for EPH. Samples SH4522-2, 6 and 7 were low for both extraction surrogates. SH4522-1,3 and 4 were low for the aliphatic surrogate 5-alpha androstane. SH4522-5 was low for the aromatic surrogate o-terphenyl. For SH4522-3 a MS/MSD was done on the sample. The MS passed and the MSD had low surrogate recoveries. It was noted in the extraction logbook that these samples were very wet and some of the failing surrogates were not out by very much. Today is the last day of hold time. Please let me know if you would like to have the lab re-extract or if we can continue with narration.

Thank you,

Jennifer Obrin
Federal Programs Project Manager
Katahdin Analytical Services
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600 Technology Way
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From: Jennifer Obrin [mailto:jobrin@katahdinlab.com]
Sent: Saturday, June 21, 2014 11:57 AM
To: 'Geringer, Brian'; 'Messmer, Mindi'; 'Jalkut, Kayleen'; 'Good, Vanessa'; 'Carper, Kelly'
Subject: COCs for the samples received 6/20- Cutler WE53 FTA

Good Morning All,

Please find attached the COCs for the samples received 6/20 for the project Cutler WE53 FTA under the work orders SH4521, SH4522 and SH4523. These work orders along with SH4400 and SH4401 have been put into two SDGs (WE53-6 and WE53-7). Please let me know if you have any questions.

Have a wonderful day!

Jennifer Obrin
Federal Programs Project Manager
Katahdin Analytical Services
A Woman-Owned Small Business Enterprise
DoD ELAP Accredited
600 Technology Way
Scarborough, Maine 04074
Direct - 207.874.2400 x17

EXTRACTABLE PETROLEUM HYDROCARBON DATA

QC Summary Section

Form 2
System Monitoring Compound Recovery

Lab Name: Katahdin Analytical Services **Project:** NCTAMSLANT Cutler CTO WE53 **Matrix:** AQ
Lab Code: KAS **SDG:** WE53-7

Client Sample ID	Lab Sample ID	Col. ID	2BN	#	2FBP	#	5AA	#	OTP	#
FTA-MW-5-061814	SH4401-10	A	79.8		80.1		56.4		71.3	
FTA-MW-203-061814	SH4401-12	A	93.6		93.5		64.8		86.3	
FTA-GW-DUP01-061814	SH4401-14	A	92.9		91.6		62.3		82.3	
FTA-MW-218-061814	SH4401-16	A	94.4		93.4		57.1		90.8	
FTA-MW-206-061814	SH4401-18	A	87.0		86.6		62.7		80.8	
FTA-MW-9-061714	SH4401-2	A	84.1		84.0		65.8		83.3	
FTA-MW-14-061714	SH4401-20	A	82.8		82.7		56.1		77.5	
FTA-MW-10-061714	SH4401-4	A	93.6		93.3		65.5		83.9	
FTA-MW-11-061714	SH4401-6	A	93.0		92.8		60.3		88.2	
FTA-MW-12-061714	SH4401-8	A	87.3		87.0		52.2		76.4	
FTA-SW-01-061914	SH4521-10	A	72.6		71.9		52.0		68.1	
FTA-SW-02-061914	SH4521-12	A	70.3		70.3		42.2		65.2	
FTA-SW-03-061914	SH4521-14	A	74.7		74.6		49.9		68.0	
FTA-SW-06-061914	SH4521-16	A	76.3		76.2		43.5		60.1	
FTA-SW-07-061914	SH4521-18	A	73.8		73.7		37.5	*	57.0	
FTA-SW-07-061914	SH4521-18RE	A	74.7		73.6		34.8	*	38.8	*
FTA-MW-208-061814	SH4521-2	A	72.4		72.0		59.6		69.9	
FTA-SW-08-061914	SH4521-20	A	75.1		74.8		39.6		64.0	
FTA-SW-DUP01-061914	SH4521-22	A	74.6		74.0		41.7		67.5	
FTA-SD-RB01-062014	SH4521-24	A	73.1		73.1		57.7		70.4	
FTA-MW-1-061814	SH4521-4	A	74.2		72.6		51.4		69.1	
FTA-GW-DUP02-061814	SH4521-6	A	71.4		71.4		53.5		65.5	
FTA-MW-210-061814	SH4521-8	A	66.4		66.9		49.0		66.6	
Method Blank Sample	WG145094-1	A	90.3		90.6		67.7		82.1	
Laboratory Control S	WG145094-2	A	92.9		92.1		76.4		91.2	
Laboratory Control S	WG145094-3	A	68.9		67.4		76.9		80.1	
Method Blank Sample	WG145314-1	A	81.0		80.1		65.6		74.8	
Laboratory Control S	WG145314-2	A	79.6		79.4		68.3		75.7	
Laboratory Control S	WG145314-3	A	76.7		76.0		71.7		77.9	
Matrix Spike	WG145314-4	A	75.5		75.4		61.2		73.8	
Matrix Spike Duplica	WG145314-5	A	76.0		75.0		61.5		75.3	
Matrix Spike	WG145314-6	A	75.0		74.4		56.0		71.6	
Matrix Spike Duplica	WG145314-7	A	73.5		74.4		57.6		74.4	
Method Blank Sample	WG145668-1	A	74.8		74.7		55.4		65.9	
Laboratory Control S	WG145668-2	A	78.3		77.2		64.0		67.6	
Laboratory Control S	WG145668-3	A	84.4		84.2		60.9		68.9	

Form 2
System Monitoring Compound Recovery

Lab Name: Katahdin Analytical Services **Project:** NCTAMSLANT Cutler CTO WE53 **Matrix:** AQ
Lab Code: KAS **SDG:** WE53-7

Client Sample ID	Lab Sample ID	Col. ID	2BN	#	2FBP	#	5AA	#	OTP	#

		QC Limits
5AA	5-ALPHA ANDROSTANE	40-140
OTP	O-TERPHENYL	40-140
2FBP	2-FLUOROBIPHENYL	40-140
2BN	2-BROMONAPHTHALENE	40-140

= Column to be used to flag recovery limits.
* = Values outside of contract required QC limits.
D= System Monitoring Compound diluted out.

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File ID : CHF3036.D
Instrument ID : GC12

SDG : WE53-7
Lab Sample ID : WG145094-1
Date Analyzed : 23-JUN-14
Time Analyzed : 13:31
Date Extracted : 20-JUN-14

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG145094-2	CHF3037.D	06/23/14	14:16
Laboratory Control S	WG145094-3	CHF3038.D	06/23/14	15:02
FTA-MW-9-061714	SH4401-2	CHF3039.D	06/23/14	15:55
FTA-MW-10-061714	SH4401-4	CHF3040.D	06/23/14	16:40
FTA-MW-11-061714	SH4401-6	CHF3041.D	06/23/14	17:26
FTA-MW-12-061714	SH4401-8	CHF3042.D	06/23/14	18:11
FTA-MW-5-061814	SH4401-10	CHF3043.D	06/23/14	18:56
FTA-MW-203-061814	SH4401-12	CHF3044.D	06/23/14	19:41
FTA-GW-DUP01-061814	SH4401-14	CHF3045.D	06/23/14	20:27
FTA-MW-218-061814	SH4401-16	CHF3046.D	06/23/14	21:12
FTA-MW-206-061814	SH4401-18	CHF3047.D	06/23/14	21:57
FTA-MW-14-061714	SH4401-20	CHF3048.D	06/23/14	22:43

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File ID : CHF4036.D
Instrument ID : GC12

SDG : WE53-7
Lab Sample ID : WG145094-1
Date Analyzed : 23-JUN-14
Time Analyzed : 13:31
Date Extracted : 20-JUN-14

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG145094-2	CHF4037.D	06/23/14	14:16
Laboratory Control S	WG145094-3	CHF4038.D	06/23/14	15:02
FTA-MW-9-061714	SH4401-2	CHF4039.D	06/23/14	15:55
FTA-MW-10-061714	SH4401-4	CHF4040.D	06/23/14	16:40
FTA-MW-11-061714	SH4401-6	CHF4041.D	06/23/14	17:26
FTA-MW-12-061714	SH4401-8	CHF4042.D	06/23/14	18:11
FTA-MW-5-061814	SH4401-10	CHF4043.D	06/23/14	18:56
FTA-MW-203-061814	SH4401-12	CHF4044.D	06/23/14	19:41
FTA-GW-DUP01-061814	SH4401-14	CHF4045.D	06/23/14	20:27
FTA-MW-218-061814	SH4401-16	CHF4046.D	06/23/14	21:12
FTA-MW-206-061814	SH4401-18	CHF4047.D	06/23/14	21:57
FTA-MW-14-061714	SH4401-20	CHF4048.D	06/23/14	22:43

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File ID : CHF3134.D
Instrument ID : GC12

SDG : WE53-7
Lab Sample ID : WG145314-1
Date Analyzed : 26-JUN-14
Time Analyzed : 18:30
Date Extracted : 24-JUN-14

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG145314-2	CHF3135.D	06/26/14	19:16
Laboratory Control S	WG145314-3	CHF3136.D	06/26/14	20:01
Matrix Spike	WG145314-4	CHF3137.D	06/26/14	20:46
Matrix Spike Duplica	WG145314-5	CHF3138.D	06/26/14	21:32
Matrix Spike	WG145314-6	CHF3139.D	06/26/14	22:17
Matrix Spike Duplica	WG145314-7	CHF3140.D	06/26/14	23:02
FTA-MW-208-061814	SH4521-2	CHF3149.D	06/27/14	05:48
FTA-MW-1-061814	SH4521-4	CHF3150.D	06/27/14	06:34
FTA-GW-DUP02-061814	SH4521-6	CHF3151.D	06/27/14	07:19
FTA-MW-210-061814	SH4521-8	CHF3152.D	06/27/14	08:04
FTA-SW-01-061914	SH4521-10	CHF3153.D	06/27/14	08:50
FTA-SW-02-061914	SH4521-12	CHF3154.D	06/27/14	09:35
FTA-SW-03-061914	SH4521-14	CHF3155.D	06/27/14	10:20
FTA-SW-06-061914	SH4521-16	CHF3156.D	06/27/14	11:05
FTA-SW-07-061914	SH4521-18	CHF3157.D	06/27/14	11:51
FTA-SW-08-061914	SH4521-20	CHF3158.D	06/27/14	12:36
FTA-SW-DUP01-061914	SH4521-22	CHF3159.D	06/27/14	13:21
FTA-SD-RB01-062014	SH4521-24	CHF3160.D	06/27/14	14:06

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File ID : CHF4134.D
Instrument ID : GC12

SDG : WE53-7
Lab Sample ID : WG145314-1
Date Analyzed : 26-JUN-14
Time Analyzed : 18:30
Date Extracted : 24-JUN-14

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG145314-2	CHF4135.D	06/26/14	19:16
Laboratory Control S	WG145314-3	CHF4136.D	06/26/14	20:01
Matrix Spike	WG145314-4	CHF4137.D	06/26/14	20:46
Matrix Spike Duplica	WG145314-5	CHF4138.D	06/26/14	21:32
Matrix Spike	WG145314-6	CHF4139.D	06/26/14	22:17
Matrix Spike Duplica	WG145314-7	CHF4140.D	06/26/14	23:02
FTA-MW-208-061814	SH4521-2	CHF4149.D	06/27/14	05:48
FTA-MW-1-061814	SH4521-4	CHF4150.D	06/27/14	06:34
FTA-GW-DUP02-061814	SH4521-6	CHF4151.D	06/27/14	07:19
FTA-MW-210-061814	SH4521-8	CHF4152.D	06/27/14	08:04
FTA-SW-01-061914	SH4521-10	CHF4153.D	06/27/14	08:50
FTA-SW-02-061914	SH4521-12	CHF4154.D	06/27/14	09:35
FTA-SW-03-061914	SH4521-14	CHF4155.D	06/27/14	10:20
FTA-SW-06-061914	SH4521-16	CHF4156.D	06/27/14	11:05
FTA-SW-07-061914	SH4521-18	CHF4157.D	06/27/14	11:51
FTA-SW-08-061914	SH4521-20	CHF4158.D	06/27/14	12:36
FTA-SW-DUP01-061914	SH4521-22	CHF4159.D	06/27/14	13:21
FTA-SD-RB01-062014	SH4521-24	CHF4160.D	06/27/14	14:06

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File ID : CHG1055.D
Instrument ID : GC12

SDG : WE53-7
Lab Sample ID : WG145668-1
Date Analyzed : 07-JUL-14
Time Analyzed : 12:17
Date Extracted : 30-JUN-14

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG145668-2	CHG1056.I	07/07/14	13:02
Laboratory Control S	WG145668-3	CHG1057.I	07/07/14	13:47
FTA-SW-07-061914	SH4521-18RE	CHG1059.I	07/07/14	15:19

Form 4
Method Blank Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File ID : CHG2055.D
Instrument ID : GC12

SDG : WE53-7
Lab Sample ID : WG145668-1
Date Analyzed : 07-JUL-14
Time Analyzed : 12:17
Date Extracted : 30-JUN-14

This Method Blank applies to the following samples, LCS, MS and MSD:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
Laboratory Control S	WG145668-2	CHG2056.I	07/07/14	13:02
Laboratory Control S	WG145668-3	CHG2057.I	07/07/14	13:47
FTA-SW-07-061914	SH4521-18RE	CHG2059.I	07/07/14	15:19

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: NCTAMSLANT CUTLER CTO WE53 FTA SDG No.: WE53-7

GC Column: RTX-1 ID: 0.53 (mm)Init. Calib. Date(s): 05/06/14 05/06/14

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 16.83

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		WG142382-9	05/06/14	1922	16.83	
02		WG142382-7	05/06/14	2007	16.84	
03		WG142382-8	05/06/14	2052	16.84	
04		WG142382-10	05/06/14	2138	16.83	
05		WG142382-11	05/06/14	2223	16.83	
06		WG142382-12	05/06/14	2308		
07		WG145269-9	06/23/14	1108	16.78	
08	WG145094-BLANK	WG145094-1	06/23/14	1331	16.77	
09	WG145094-LCS	WG145094-2	06/23/14	1416	16.77	
10	WG145094-LCSD	WG145094-3	06/23/14	1502	16.77	
11	FTA-MW-9-061714	SH4401-2	06/23/14	1555	16.77	
12	FTA-MW-10-061714	SH4401-4	06/23/14	1640	16.77	
13	FTA-MW-11-061714	SH4401-6	06/23/14	1726	16.77	
14	FTA-MW-12-061714	SH4401-8	06/23/14	1811	16.76	
15	FTA-MW-5-061814	SH4401-10	06/23/14	1856	16.77	
16	FTA-MW-203-061814	SH4401-12	06/23/14	1941	16.77	
17	FTA-GW-DUP01-061814	SH4401-14	06/23/14	2027	16.77	
18	FTA-MW-218-061814	SH4401-16	06/23/14	2112	16.77	
19	FTA-MW-206-061814	SH4401-18	06/23/14	2157	16.77	
20	FTA-MW-14-061714	SH4401-20	06/23/14	2243	16.77	

QC LIMITS
S1 = 5-alpha androstane (+/- 0.34 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: NCTAMSLANT CUTLER CTO WE53 FTA SDG No.: WE53-7

GC Column: RTX-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/06/14 05/06/14

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 16.83

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		WG145269-10	06/24/14	0529	16.78	
02		WG145456-8	06/26/14	0555	16.77	
03	WG145314-BLANK	WG145314-1	06/26/14	1830	16.75	
04	WG145314-LCS	WG145314-2	06/26/14	1916	16.75	
05	WG145314-LCSD	WG145314-3	06/26/14	2001	16.76	
06	FTA-MW-210-061814MS	WG145314-4	06/26/14	2046	16.76	
07	FTA-MW-210-061814MS	WG145314-5	06/26/14	2132	16.76	
08	FTA-SW-03-061914MS	WG145314-6	06/26/14	2217	16.76	
09	FTA-SW-03-061914MSD	WG145314-7	06/26/14	2302	16.76	
10		WG145456-9	06/27/14	0032	16.76	
11	FTA-MW-208-061814	SH4521-2	06/27/14	0548	16.77	
12	FTA-MW-1-061814	SH4521-4	06/27/14	0634	16.77	
13	FTA-GW-DUP02-061814	SH4521-6	06/27/14	0719	16.77	
14	FTA-MW-210-061814	SH4521-8	06/27/14	0804	16.76	
15	FTA-SW-01-061914	SH4521-10	06/27/14	0850	16.76	
16	FTA-SW-02-061914	SH4521-12	06/27/14	0935	16.75	
17	FTA-SW-03-061914	SH4521-14	06/27/14	1020	16.76	
18	FTA-SW-06-061914	SH4521-16	06/27/14	1105	16.76	
19	FTA-SW-07-061914	SH4521-18	06/27/14	1151	16.75	
20	FTA-SW-08-061914	SH4521-20	06/27/14	1236	16.75	

QC LIMITS
S1 = 5-alpha androstane (+/- 0.34 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: NCTAMSLANT CUTLER CTO WE53 FTA SDG No.: WE53-7

GC Column: RTX-1 ID: 0.53 (mm)Init. Calib. Date(s): 05/06/14 05/06/14

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 16.83

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	FTA-SW-DUP01-061914	SH4521-22	06/27/14	1321	16.75	
02	FTA-SD-RB01-062014	SH4521-24	06/27/14	1406	16.75	
03		WG145456-10	06/27/14	1711	16.75	
04		WG146138-3	07/07/14	1046	16.75	
05	WG145668-BLANK	WG145668-1	07/07/14	1217	16.74	
06	WG145668-LCS	WG145668-2	07/07/14	1302	16.74	
07	WG145668-LCSD	WG145668-3	07/07/14	1347	16.74	
08	FTA-SW-07-061914	SH4521-18RE	07/07/14	1519	16.74	
09		WG146138-4	07/08/14	0412	16.74	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
S1 = 5-alpha androstane (+/- 0.34 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: NCTAMSLANT CUTLER CTO WE53 FTA SDG No.: WE53-7

GC Column: RTX-5 ID: 0.53 (mm)Init. Calib. Date(s): 05/06/14 05/06/14

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 9.01 S2 : 10.39

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		WG142382-3	05/06/14	1922	9.01	10.39
02		WG142382-5	05/06/14	2007	9.01	10.39
03		WG142382-4	05/06/14	2052	9.01	10.39
04		WG142382-2	05/06/14	2138	9.01	10.39
05		WG142382-1	05/06/14	2223	9.01	10.39
06		WG142382-6	05/06/14	2308		
07		WG145269-1	06/23/14	1245	8.96	10.34
08	WG145094-BLANK	WG145094-1	06/23/14	1331	8.96	10.34
09	WG145094-LCS	WG145094-2	06/23/14	1416	8.95	10.33
10	WG145094-LCSD	WG145094-3	06/23/14	1502	8.95	10.33
11	FTA-MW-9-061714	SH4401-2	06/23/14	1555	8.96	10.34
12	FTA-MW-10-061714	SH4401-4	06/23/14	1640	8.95	10.33
13	FTA-MW-11-061714	SH4401-6	06/23/14	1726	8.95	10.33
14	FTA-MW-12-061714	SH4401-8	06/23/14	1811	8.95	10.33
15	FTA-MW-5-061814	SH4401-10	06/23/14	1856	8.96	10.34
16	FTA-MW-203-061814	SH4401-12	06/23/14	1941	8.95	10.33
17	FTA-GW-DUP01-061814	SH4401-14	06/23/14	2027	8.96	10.34
18	FTA-MW-218-061814	SH4401-16	06/23/14	2112	8.96	10.34
19	FTA-MW-206-061814	SH4401-18	06/23/14	2157	8.96	10.34
20	FTA-MW-14-061714	SH4401-20	06/23/14	2243	8.96	10.34

QC LIMITS
S1 = 2-Fluorobiphenyl (+/- 0.15 MINUTES)
S2 = 2-Bromonaphthalene (+/- 0.15 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: NCTAMSLANT CUTLER CTO WE53 FTA SDG No.: WE53-7

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 05/06/14 05/06/14

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 9.01 S2 : 10.39

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		WG145269-2	06/24/14	0529	8.97	10.35
02		WG145456-2	06/26/14	0555	8.96	10.34
03	WG145314-BLANK	WG145314-1	06/26/14	1830	8.94	10.32
04	WG145314-LCS	WG145314-2	06/26/14	1916	8.94	10.32
05	WG145314-LCSD	WG145314-3	06/26/14	2001	8.94	10.32
06	FTA-MW-210-061814MS	WG145314-4	06/26/14	2046	8.94	10.32
07	FTA-MW-210-061814MS	WG145314-5	06/26/14	2132	8.95	10.33
08	FTA-SW-03-061914MS	WG145314-6	06/26/14	2217	8.95	10.33
09	FTA-SW-03-061914MSD	WG145314-7	06/26/14	2302	8.95	10.33
10		WG145456-3	06/27/14	0032	8.95	10.33
11	FTA-MW-208-061814	SH4521-2	06/27/14	0548	8.97	10.35
12	FTA-MW-1-061814	SH4521-4	06/27/14	0634	8.97	10.36
13	FTA-GW-DUP02-061814	SH4521-6	06/27/14	0719	8.97	10.35
14	FTA-MW-210-061814	SH4521-8	06/27/14	0804	8.97	10.35
15	FTA-SW-01-061914	SH4521-10	06/27/14	0850	8.95	10.33
16	FTA-SW-02-061914	SH4521-12	06/27/14	0935	8.94	10.32
17	FTA-SW-03-061914	SH4521-14	06/27/14	1020	8.94	10.33
18	FTA-SW-06-061914	SH4521-16	06/27/14	1105	8.95	10.33
19	FTA-SW-07-061914	SH4521-18	06/27/14	1151	8.94	10.32
20	FTA-SW-08-061914	SH4521-20	06/27/14	1236	8.94	10.32

QC LIMITS
S1 = 2-Fluorobiphenyl (+/- 0.15 MINUTES)
S2 = 2-Bromonaphthalene (+/- 0.15 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: NCTAMSLANT CUTLER CTO WE53 FTA SDG No.: WE53-7

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 05/06/14 05/06/14

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 9.01 S2 : 10.39

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01	FTA-SW-DUP01-061914	SH4521-22	06/27/14	1321	8.93	10.32
02	FTA-SD-RB01-062014	SH4521-24	06/27/14	1406	8.94	10.32
03		WG145456-4	06/27/14	1711	8.93	10.31
04		WG146138-1	07/07/14	1046	8.94	10.32
05	WG145668-BLANK	WG145668-1	07/07/14	1217	8.93	10.31
06	WG145668-LCS	WG145668-2	07/07/14	1302	8.93	10.31
07	WG145668-LCSD	WG145668-3	07/07/14	1347	8.93	10.31
08	FTA-SW-07-061914	SH4521-18RE	07/07/14	1519	8.93	10.31
09		WG146138-2	07/08/14	0412	8.93	10.31
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
S1 = 2-Fluorobiphenyl (+/- 0.15 MINUTES)
S2 = 2-Bromonaphthalene (+/- 0.15 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: NCTAMSLANT CUTLER CTO WE53 FTA SDG No.: WE53-7

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 05/06/14 05/06/14

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION S3 : 15.28						
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S3 RT #	RT #
01		WG142382-3	05/06/14	1922	15.27	
02		WG142382-5	05/06/14	2007	15.28	
03		WG142382-4	05/06/14	2052	15.27	
04		WG142382-2	05/06/14	2138	15.27	
05		WG142382-1	05/06/14	2223	15.27	
06		WG142382-6	05/06/14	2308		
07		WG145269-1	06/23/14	1245	15.22	
08	WG145094-BLANK	WG145094-1	06/23/14	1331	15.21	
09	WG145094-LCS	WG145094-2	06/23/14	1416	15.21	
10	WG145094-LCSD	WG145094-3	06/23/14	1502	15.21	
11	FTA-MW-9-061714	SH4401-2	06/23/14	1555	15.22	
12	FTA-MW-10-061714	SH4401-4	06/23/14	1640	15.21	
13	FTA-MW-11-061714	SH4401-6	06/23/14	1726	15.20	
14	FTA-MW-12-061714	SH4401-8	06/23/14	1811	15.21	
15	FTA-MW-5-061814	SH4401-10	06/23/14	1856	15.21	
16	FTA-MW-203-061814	SH4401-12	06/23/14	1941	15.21	
17	FTA-GW-DUP01-061814	SH4401-14	06/23/14	2027	15.21	
18	FTA-MW-218-061814	SH4401-16	06/23/14	2112	15.21	
19	FTA-MW-206-061814	SH4401-18	06/23/14	2157	15.21	
20	FTA-MW-14-061714	SH4401-20	06/23/14	2243	15.21	

QC LIMITS
S3 = O-Terphenyl (+/- 0.15 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Katahdin Analytical Services 9000017

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: NCTAMSLANT CUTLER CTO WE53 FTA SDG No.: WE53-7

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 05/06/14 05/06/14

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S3 : 15.28

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S3 RT	#	RT	#
01		WG145269-2	06/24/14	0529	15.22			
02		WG145456-2	06/26/14	0555	15.21			
03	WG145314-BLANK	WG145314-1	06/26/14	1830	15.19			
04	WG145314-LCS	WG145314-2	06/26/14	1916	15.19			
05	WG145314-LCSD	WG145314-3	06/26/14	2001	15.20			
06	FTA-MW-210-061814MS	WG145314-4	06/26/14	2046	15.20			
07	FTA-MW-210-061814MS	WG145314-5	06/26/14	2132	15.20			
08	FTA-SW-03-061914MS	WG145314-6	06/26/14	2217	15.21			
09	FTA-SW-03-061914MSD	WG145314-7	06/26/14	2302	15.20			
10		WG145456-3	06/27/14	0032	15.21			
11	FTA-MW-208-061814	SH4521-2	06/27/14	0548	15.23			
12	FTA-MW-1-061814	SH4521-4	06/27/14	0634	15.23			
13	FTA-GW-DUP02-061814	SH4521-6	06/27/14	0719	15.23			
14	FTA-MW-210-061814	SH4521-8	06/27/14	0804	15.21			
15	FTA-SW-01-061914	SH4521-10	06/27/14	0850	15.20			
16	FTA-SW-02-061914	SH4521-12	06/27/14	0935	15.19			
17	FTA-SW-03-061914	SH4521-14	06/27/14	1020	15.20			
18	FTA-SW-06-061914	SH4521-16	06/27/14	1105	15.20			
19	FTA-SW-07-061914	SH4521-18	06/27/14	1151	15.20			
20	FTA-SW-08-061914	SH4521-20	06/27/14	1236	15.20			

QC LIMITS
S3 = O-Terphenyl (+/- 0.15 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Katahdin Analytical Services 9000018

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: NCTAMSLANT CUTLER CTO WE53 FTA SDG No.: WE53-7

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 05/06/14 05/06/14

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S3 : 15.28

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S3 RT #	RT #
01	FTA-SW-DUP01-061914	SH4521-22	06/27/14	1321	15.19	
02	FTA-SD-RB01-062014	SH4521-24	06/27/14	1406	15.19	
03		WG145456-4	06/27/14	1711	15.19	
04		WG146138-1	07/07/14	1046	15.19	
05	WG145668-BLANK	WG145668-1	07/07/14	1217	15.18	
06	WG145668-LCS	WG145668-2	07/07/14	1302	15.18	
07	WG145668-LCSD	WG145668-3	07/07/14	1347	15.18	
08	FTA-SW-07-061914	SH4521-18RE	07/07/14	1519	15.18	
09		WG146138-2	07/08/14	0412	15.18	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
S3 = O-Terphenyl (+/- 0.15 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

or

J Used for Pesticides, PCBs, Herbicides, Formaldehyde, Explosives and Method 504.1 analytes when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

C Indicates that the flagged compound did not meet DoD criteria in the corresponding daily calibration verification (CV).

L Indicates that the flagged compound did not meet DoD criteria in the corresponding Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCSD) prepared and/or analyzed concurrently with the sample.

M Indicates that the flagged compound did not meet DoD criteria in the Matrix Spike and/or Matrix Spike Duplicate prepared and/or analyzed concurrently with the native sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

Katahdin Analytical Services, Inc.

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting.
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant.
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold.
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-2
Client ID: FTA-MW-9-061714
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4039.D

Sample Date: 17-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		65.8	%					
o-Terphenyl		83.3	%					
2-Fluorobiphenyl		84.0	%					
2-Bromonaphthalene		84.1	%					

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P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3039.d
Report Date: 09-Jul-2014 12:30

Katahdin Analytical Services

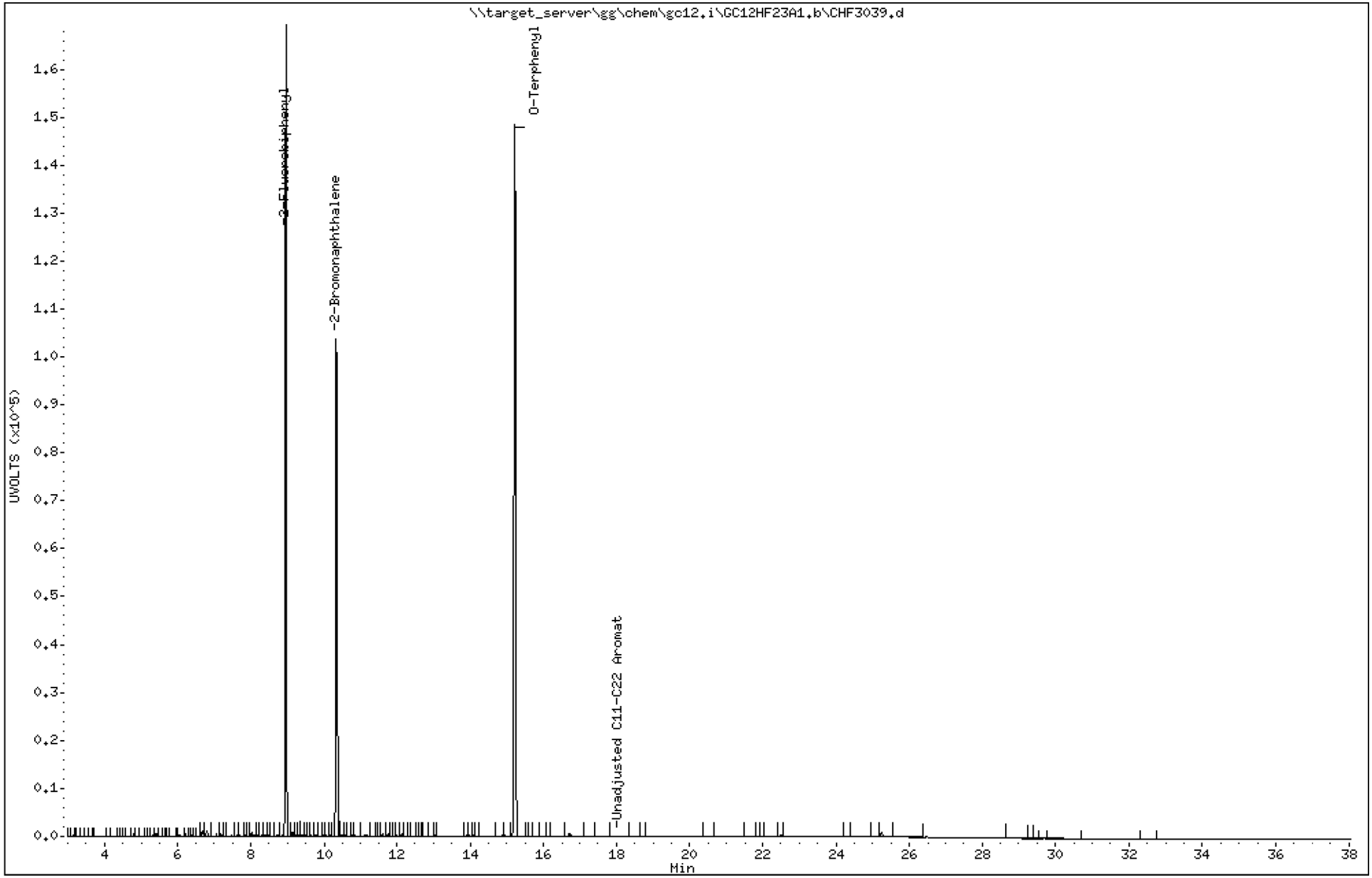
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Inj Date : 23-JUN-2014 15:55
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-2
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.957	8.982	-0.025	447451	37.7683	71.3	
$ 6 2-Bromonaphthalene	10.338	10.364	-0.026	305004	37.8415	71.4	
$ 11 O-Terphenyl	15.215	15.242	-0.027	493534	37.4687	70.7	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3039.d
Date : 23-JUN-2014 15:55
Client ID: FTA-MW-9-061714
Instrument: gc12.i
Sample Info: SH4401-2
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000025

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4039.d
Report Date: 09-Jul-2014 12:30

Katahdin Analytical Services

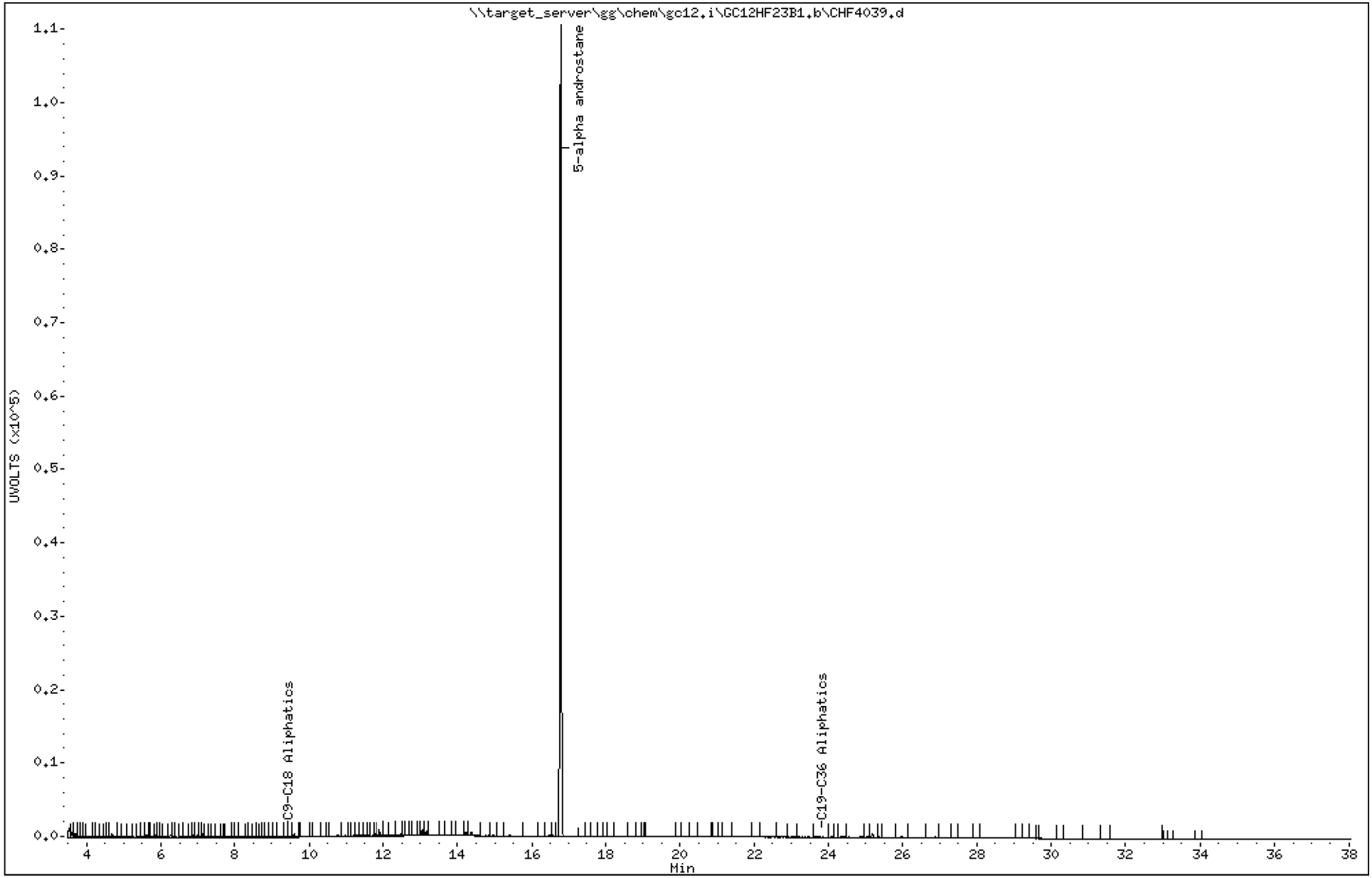
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Lab Smp Id: SH4401-2 Client Smp ID: FTA-MW-9-061714
Inj Date : 23-JUN-2014 15:55
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-2
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.770	16.782	-0.012	381820	29.6501	55.9	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4039.d
Date : 23-JUN-2014 15:55
Client ID: FTA-MW-9-061714
Instrument: gc12.i
Sample Info: SH4401-2
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000027

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-4
Client ID: FTA-MW-10-061714
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4040.D

Sample Date: 17-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		65.5	%					
o-Terphenyl		83.9	%					
2-Fluorobiphenyl		93.3	%					
2-Bromonaphthalene		93.6	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3040.d
Report Date: 09-Jul-2014 12:30

Katahdin Analytical Services

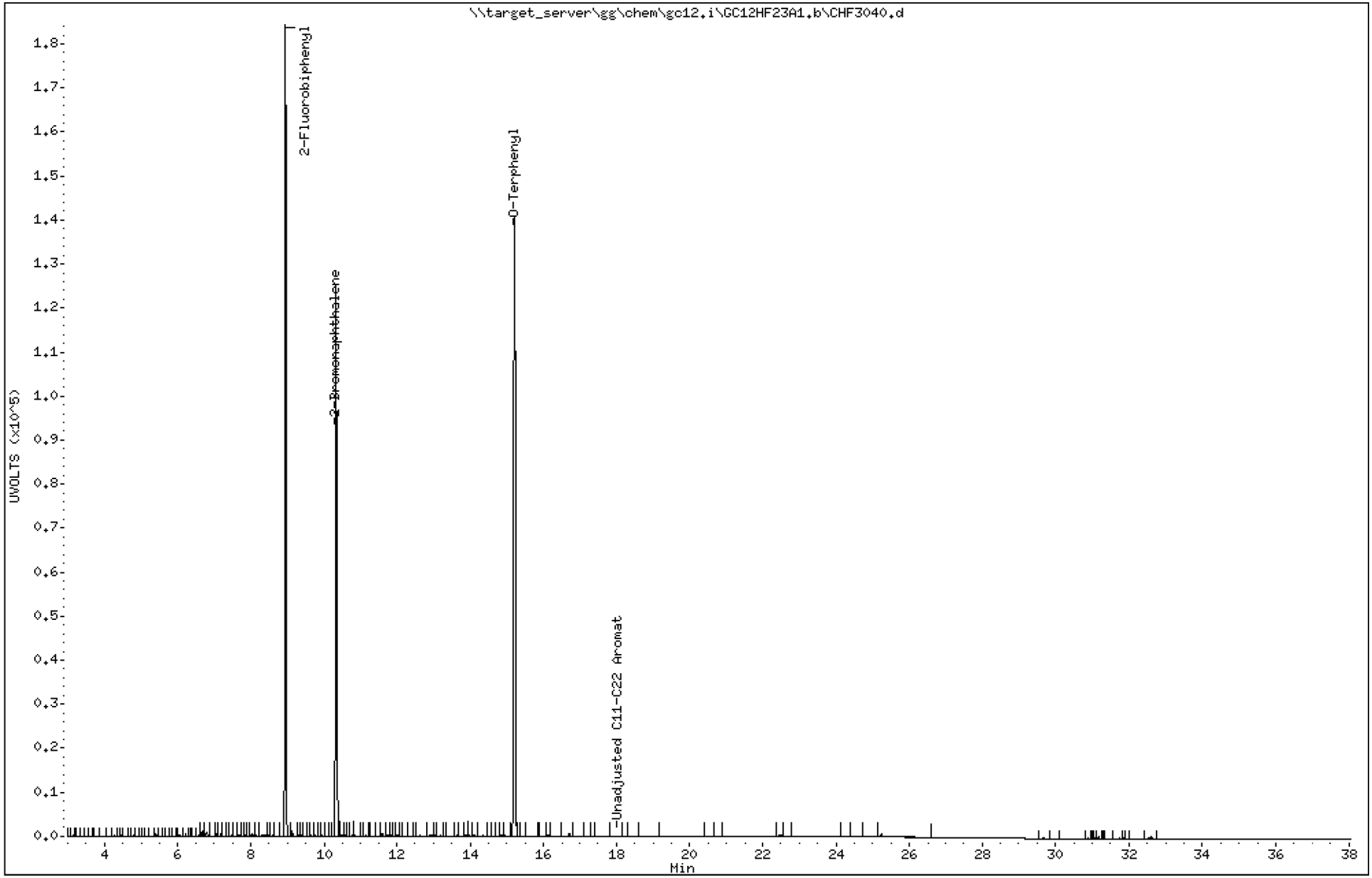
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Lab Smp Id: SH4401-4 Client Smp ID: FTA-MW-10-061714
Inj Date : 23-JUN-2014 16:40
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-4
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.949	8.982	-0.033	497608	42.0019	79.2	
$ 6 2-Bromonaphthalene	10.331	10.364	-0.033	339734	42.1504	79.5	
$ 11 O-Terphenyl	15.207	15.242	-0.035	497224	37.7488	71.2	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3040.d
Date : 23-JUN-2014 16:40
Client ID: FTA-MW-10-061714
Instrument: gc12.i
Sample Info: SH4401-4
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000030

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4040.d
Report Date: 09-Jul-2014 12:30

Katahdin Analytical Services

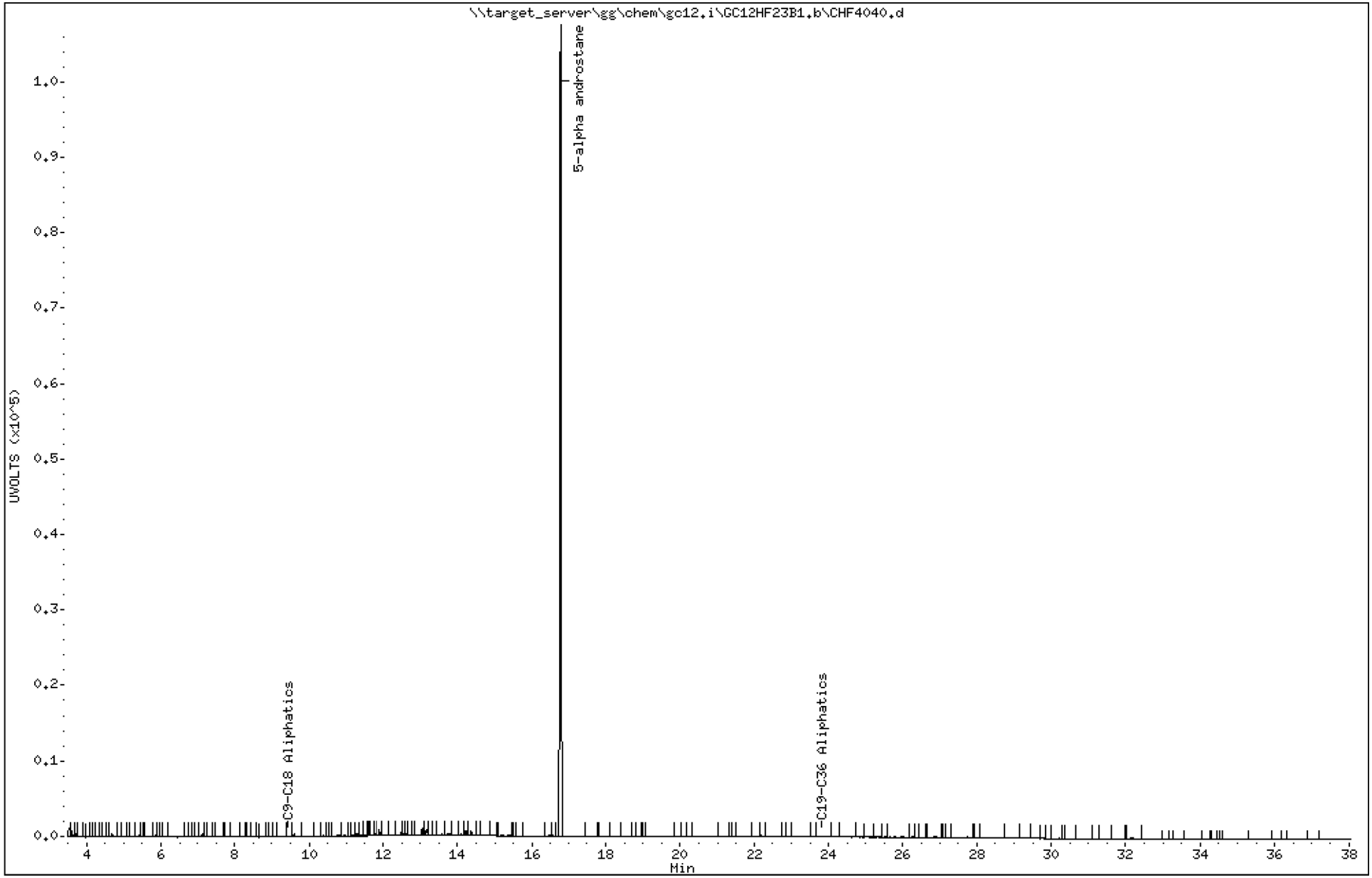
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Inj Date : 23-JUN-2014 16:40
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-4
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.768	16.782	-0.014	379188	29.4458	55.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4040.d
Date : 23-JUN-2014 16:40
Client ID: FTA-MW-10-061714
Instrument: gc12.i
Sample Info: SH4401-4
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000032

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-6
Client ID: FTA-MW-11-061714
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4041.D

Sample Date: 17-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		60.3	%					
o-Terphenyl		88.2	%					
2-Fluorobiphenyl		92.8	%					
2-Bromonaphthalene		93.0	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3041.d
Report Date: 09-Jul-2014 12:30

Katahdin Analytical Services

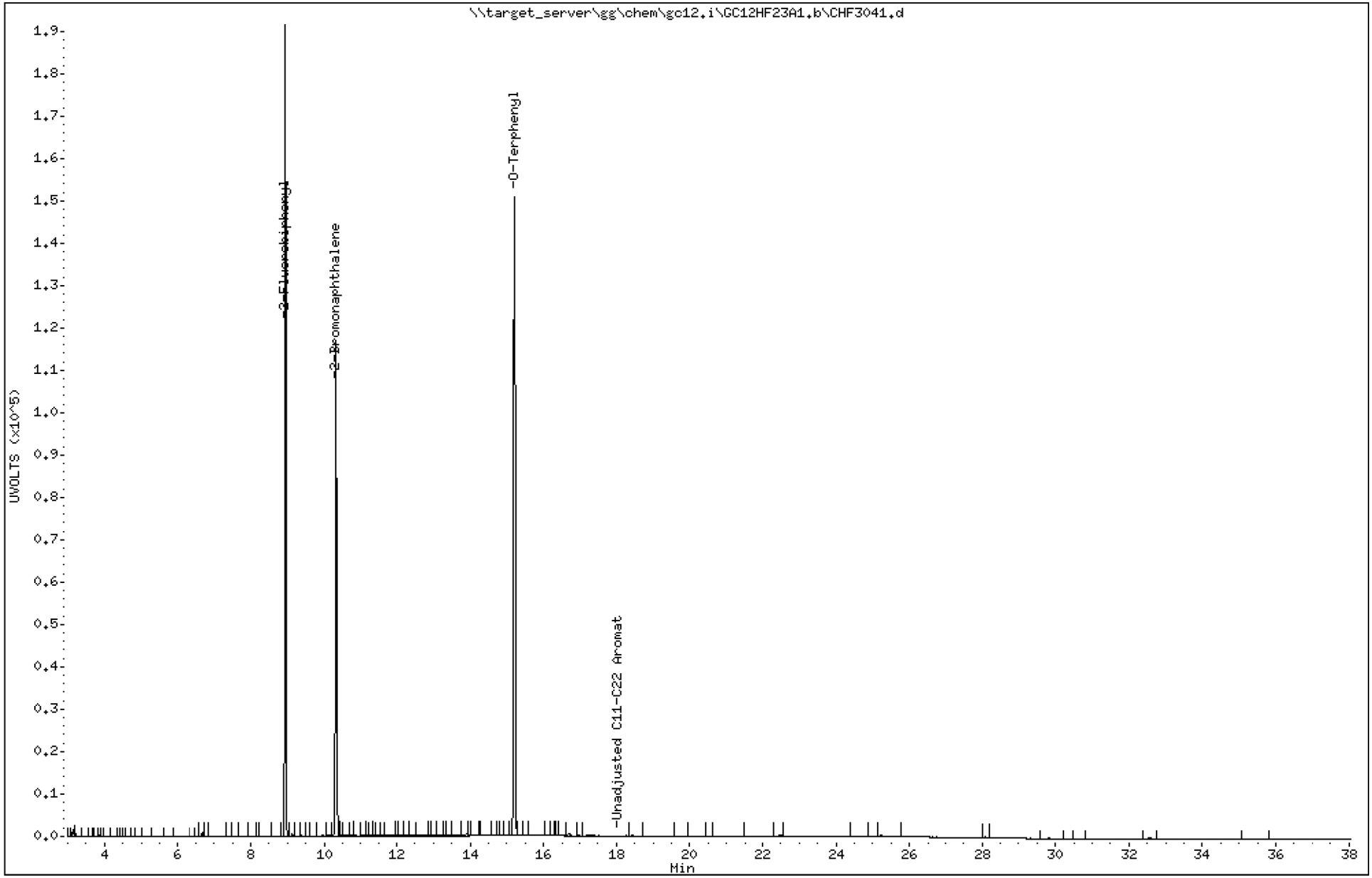
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Lab Smp Id: SH4401-6 Client Smp ID: FTA-MW-11-061714
Inj Date : 23-JUN-2014 17:26
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-6
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.946	8.982	-0.036	494889	41.7724	78.8	
$ 6 2-Bromonaphthalene	10.328	10.364	-0.036	337370	41.8571	79.0	
$ 11 O-Terphenyl	15.204	15.242	-0.038	522935	39.7008	74.9	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3041.d
Date : 23-JUN-2014 17:26
Client ID: FTA-MW-11-061714
Instrument: gc12.i
Sample Info: SH4401-6
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000035

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4041.d
Report Date: 09-Jul-2014 12:31

Katahdin Analytical Services

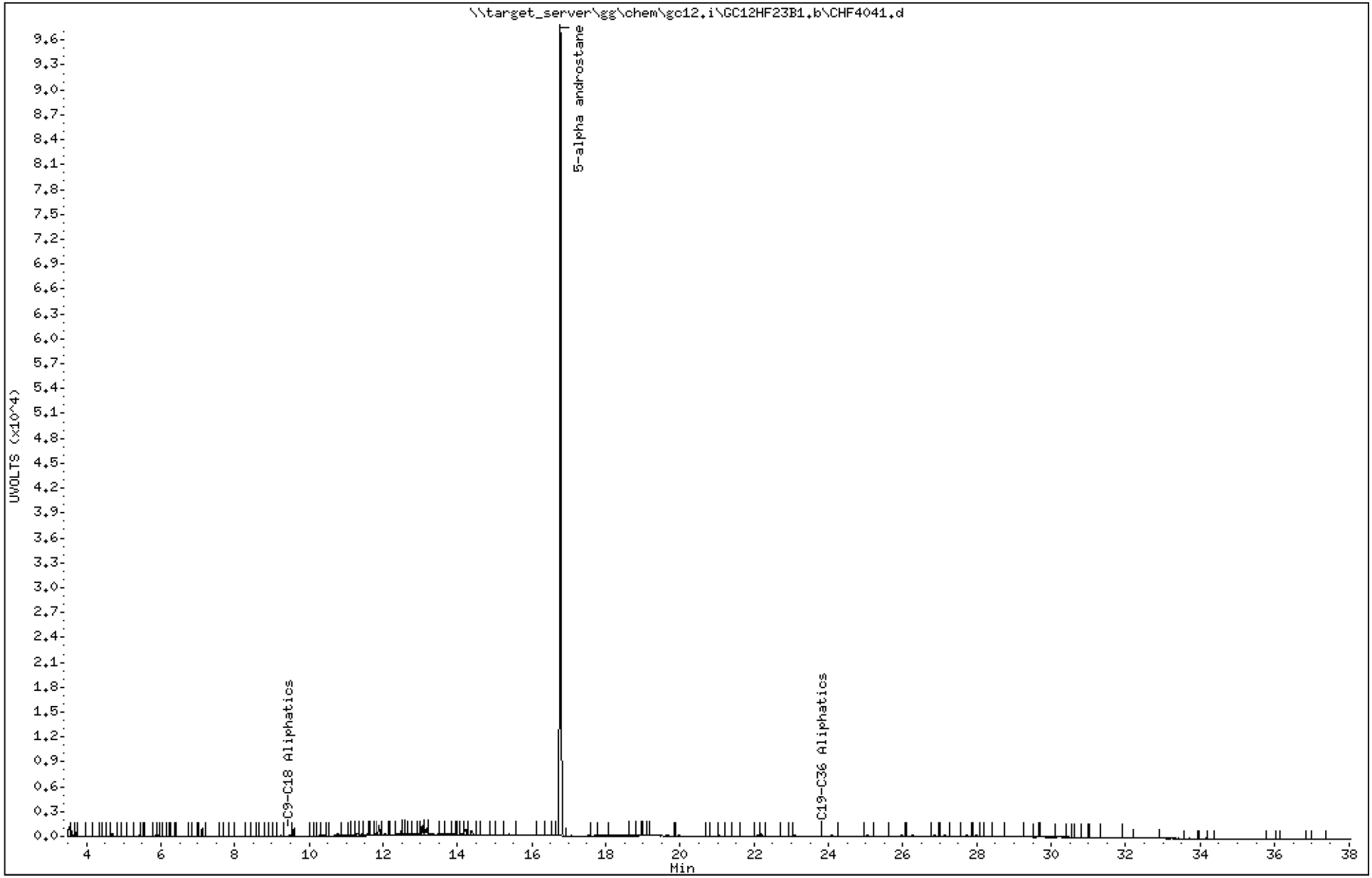
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Lab Smp Id: SH4401-6 Client Smp ID: FTA-MW-11-061714
Inj Date : 23-JUN-2014 17:26
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-6
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.766	16.782	-0.016	349616	27.1493	51.2	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4041.d
Date : 23-JUN-2014 17:26
Client ID: FTA-MW-11-061714
Instrument: gc12.i
Sample Info: SH4401-6
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000037

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-8
Client ID: FTA-MW-12-061714
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4042.D

Sample Date: 17-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		52.2	%					
o-Terphenyl		76.4	%					
2-Fluorobiphenyl		87.0	%					
2-Bromonaphthalene		87.3	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3042.d
Report Date: 09-Jul-2014 12:30

Katahdin Analytical Services

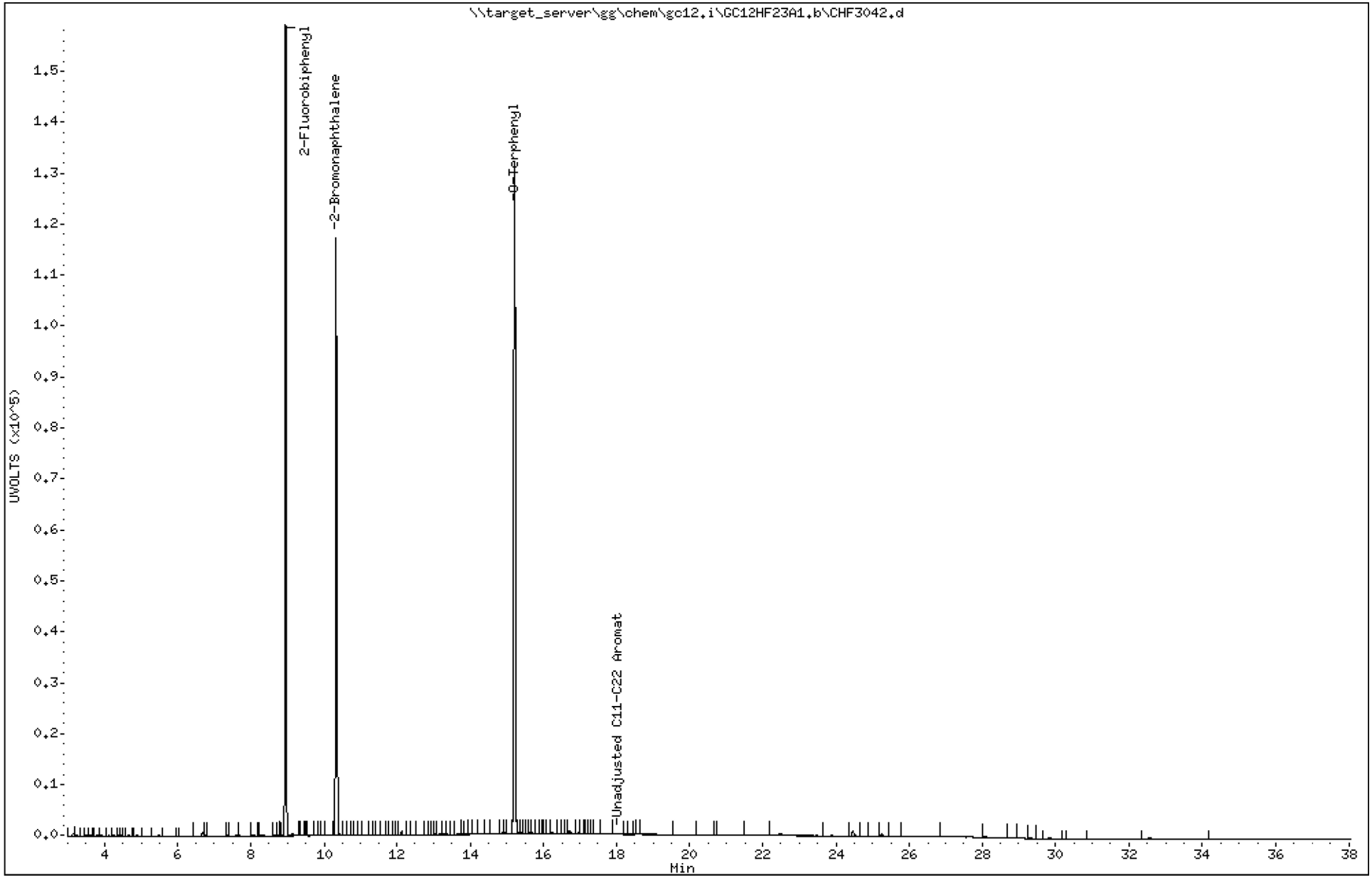
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Inj Date : 23-JUN-2014 18:11
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-8
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.953	8.982	-0.029	464085	39.1723	73.9	
$ 6 2-Bromonaphthalene	10.333	10.364	-0.031	316716	39.2946	74.1	
$ 11 O-Terphenyl	15.208	15.242	-0.034	452935	34.3864	64.9	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3042.d
Date : 23-JUN-2014 18:11
Client ID: FTA-MW-12-061714
Instrument: gc12.i
Sample Info: SH4401-8
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000040

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4042.d
Report Date: 09-Jul-2014 12:31

Katahdin Analytical Services

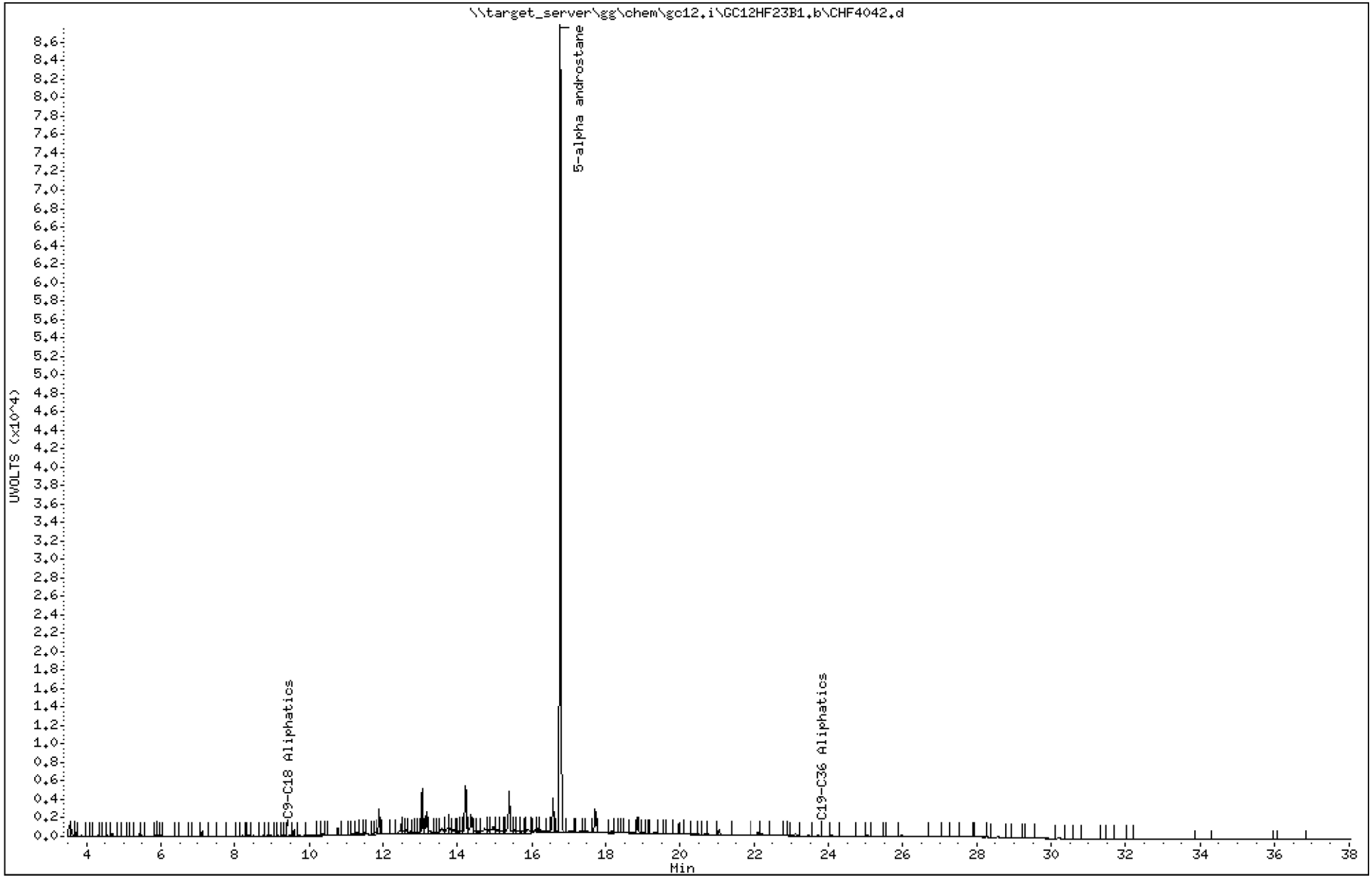
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Lab Smp Id: SH4401-8 Client Smp ID: FTA-MW-12-061714
Inj Date : 23-JUN-2014 18:11
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-8
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.763	16.782	-0.019	302397	23.4826	44.3	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4042.d
Date : 23-JUN-2014 18:11
Client ID: FTA-MW-12-061714
Instrument: gc12.i
Sample Info: SH4401-8
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000042

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-10
Client ID: FTA-MW-5-061814
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4043.D

Sample Date: 18-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		56.4	%					
o-Terphenyl		71.3	%					
2-Fluorobiphenyl		80.1	%					
2-Bromonaphthalene		79.8	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3043.d
Report Date: 09-Jul-2014 12:30

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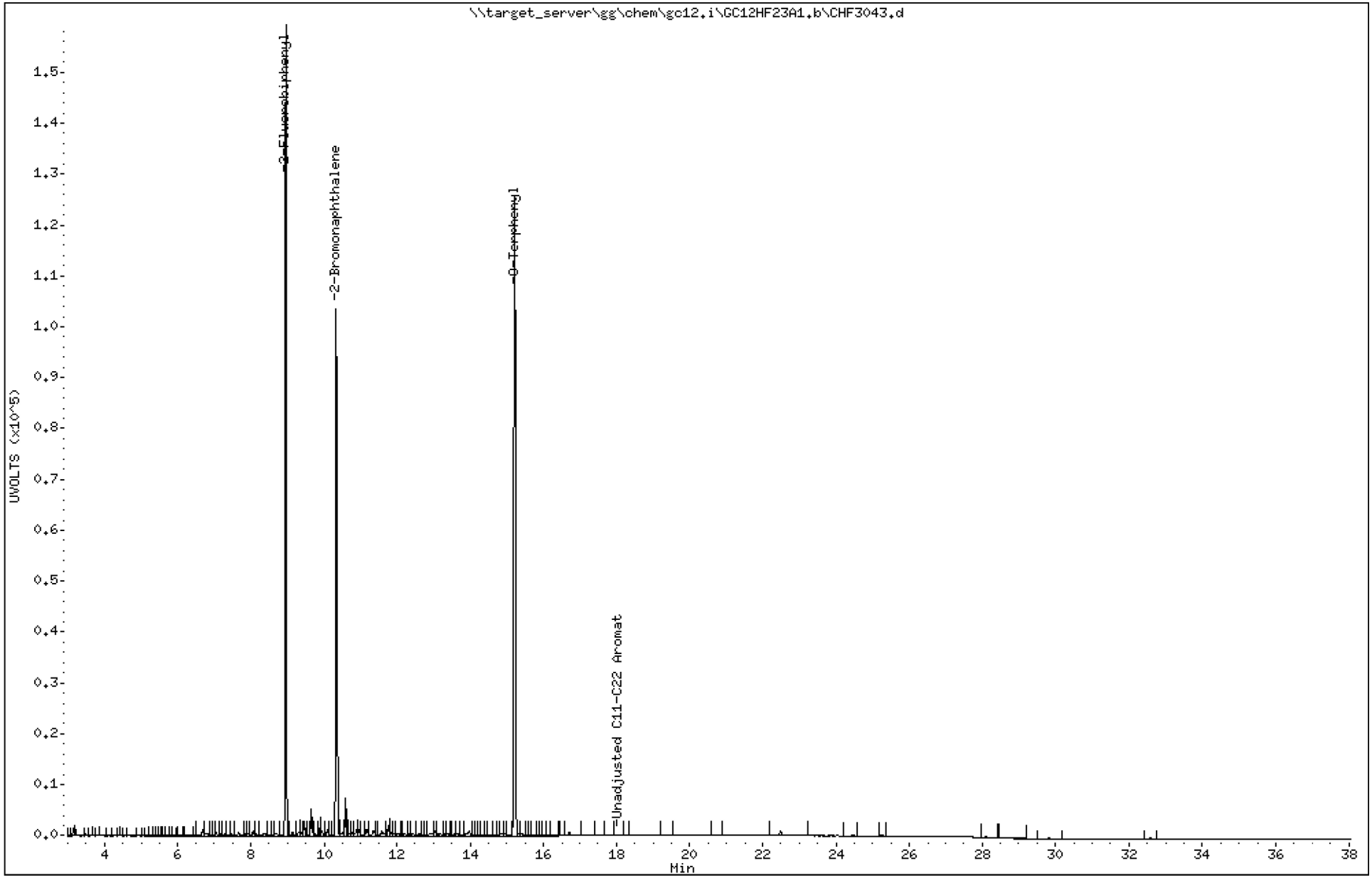
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Lab Smp Id: SH4401-10 Client Smp ID: FTA-MW-5-061814
Inj Date : 23-JUN-2014 18:56
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-10
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.956	8.982	-0.026	426729	36.0192	68.0	
$ 6 2-Bromonaphthalene	10.336	10.364	-0.028	289545	35.9235	67.8	
$ 11 O-Terphenyl	15.210	15.242	-0.032	422478	32.0742	60.5	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3043.d
Date : 23-JUN-2014 18:56
Client ID: FTA-MW-5-061814
Instrument: gc12.i
Sample Info: SH4401-10
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000045

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4043.d
Report Date: 09-Jul-2014 12:31

Katahdin Analytical Services

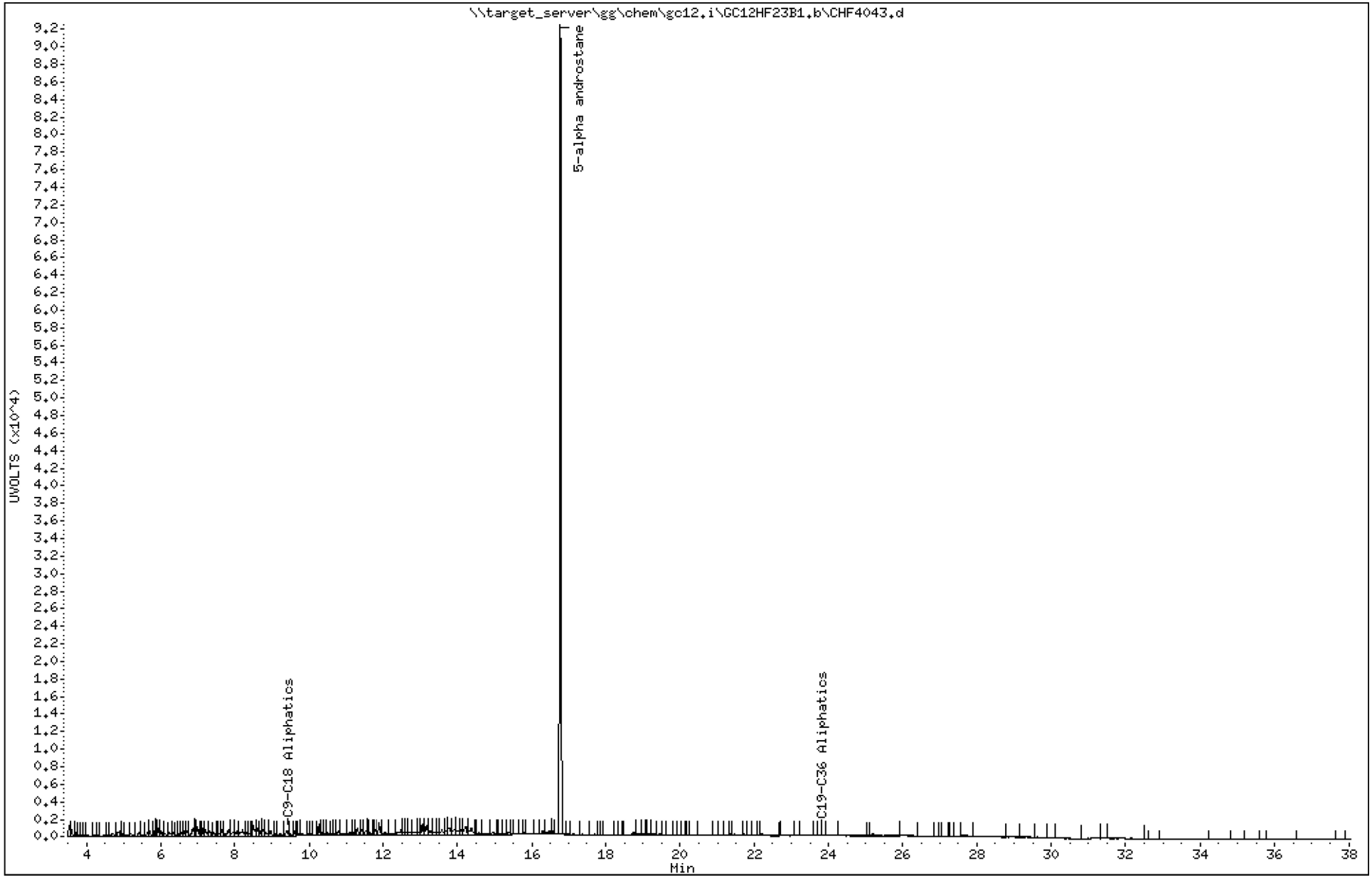
Data file : \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4043.d
Lab Smp Id: SH4401-10 Client Smp ID: FTA-MW-5-061814
Inj Date : 23-JUN-2014 18:56
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-10
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.765	16.782	-0.017	326928	25.3875	47.9	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4043.d
Date : 23-JUN-2014 18:56
Client ID: FTA-MW-5-061814
Instrument: gc12.i
Sample Info: SH4401-10
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000047

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-12
Client ID: FTA-MW-203-061814
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4044.D

Sample Date: 18-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		64.8	%					
o-Terphenyl		86.3	%					
2-Fluorobiphenyl		93.5	%					
2-Bromonaphthalene		93.6	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3044.d
Report Date: 09-Jul-2014 12:30

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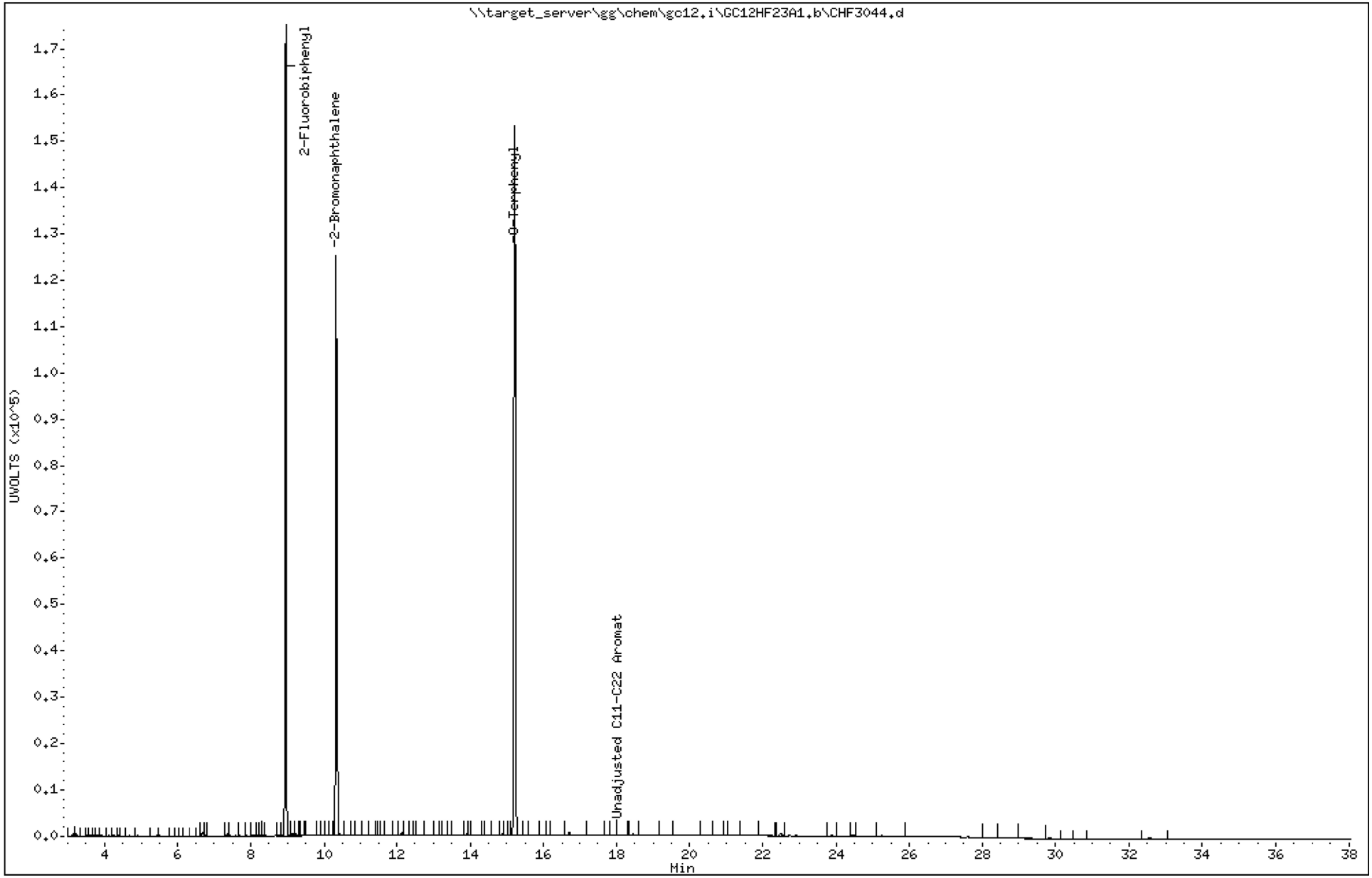
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Lab Smp Id: SH4401-12 Client Smp ID: FTA-MW-203-061814
Inj Date : 23-JUN-2014 19:41
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-12
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.954	8.982	-0.028	498295	42.0599	79.4	
$ 6 2-Bromonaphthalene	10.334	10.364	-0.030	339627	42.1371	79.5	
$ 11 O-Terphenyl	15.211	15.242	-0.031	511521	38.8342	73.3	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3044.d
Date : 23-JUN-2014 19:41
Client ID: FTA-MW-203-061814
Instrument: gc12.i
Sample Info: SH4401-12
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000050

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4044.d
Report Date: 09-Jul-2014 12:31

Katahdin Analytical Services

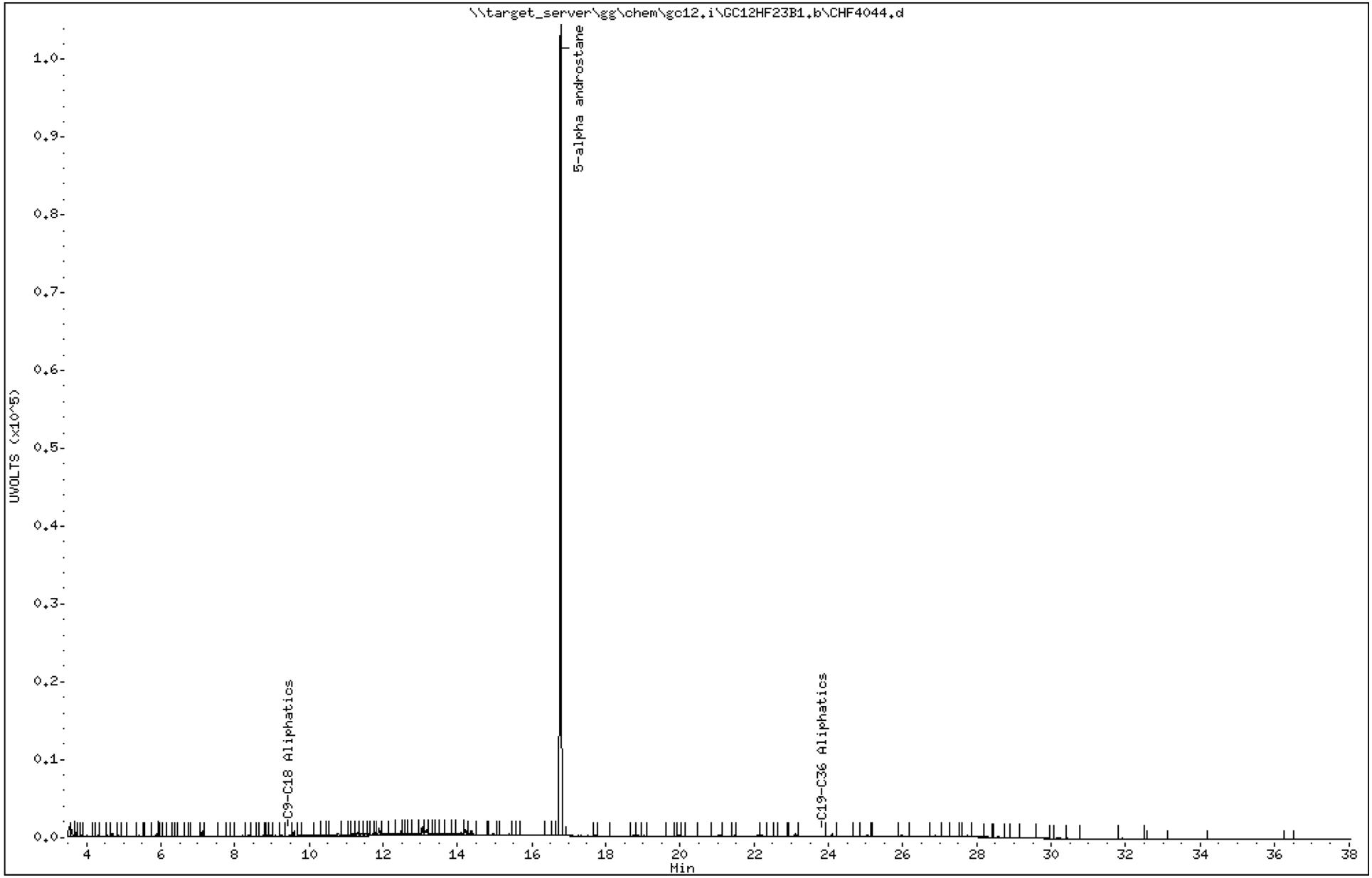
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Inj Date : 23-JUN-2014 19:41
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-12
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS		
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.767	16.782	-0.015	375088	29.1274	55.0	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4044.d
Date : 23-JUN-2014 19:41
Client ID: FTA-MW-203-061814
Instrument: gc12.i
Sample Info: SH4401-12
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000052

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-14
Client ID: FTA-GW-DUP01-061814
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4045.D

Sample Date: 18-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	J	49	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	J	49	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		62.3	%					
o-Terphenyl		82.3	%					
2-Fluorobiphenyl		91.6	%					
2-Bromonaphthalene		92.9	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3045.d
Report Date: 09-Jul-2014 12:30

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3045.d
Lab Smp Id: SH4401-14 Client Smp ID: FTA-GW-DUP01-061814
Inj Date : 23-JUN-2014 20:27
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-14
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

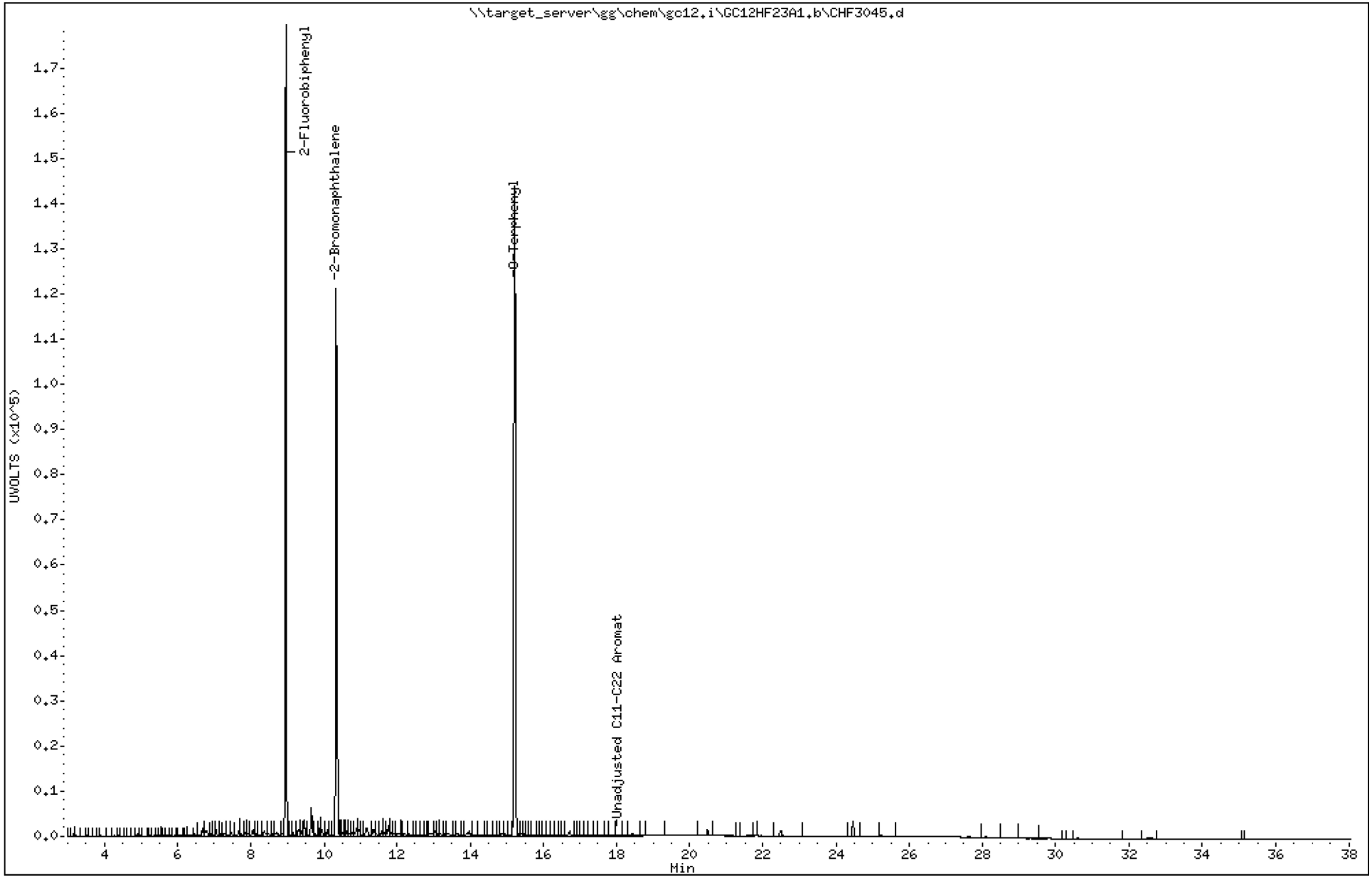
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.956	8.982	-0.026	488748	41.2540	77.8	
$ 6 2-Bromonaphthalene	10.335	10.364	-0.029	337173	41.8327	78.9	
$ 11 O-Terphenyl	15.210	15.242	-0.032	487738	37.0287	69.9	
S 15 Unadjusted C11-C22 Aromatics	6.618-29.474			331746	26.0214	49.1(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3045.d
Date : 23-JUN-2014 20:27
Client ID: FTA-GW-DUP01-061814
Instrument: gc12.i
Sample Info: SH4401-14
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000055

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4045.d
Report Date: 09-Jul-2014 12:31

Katahdin Analytical Services

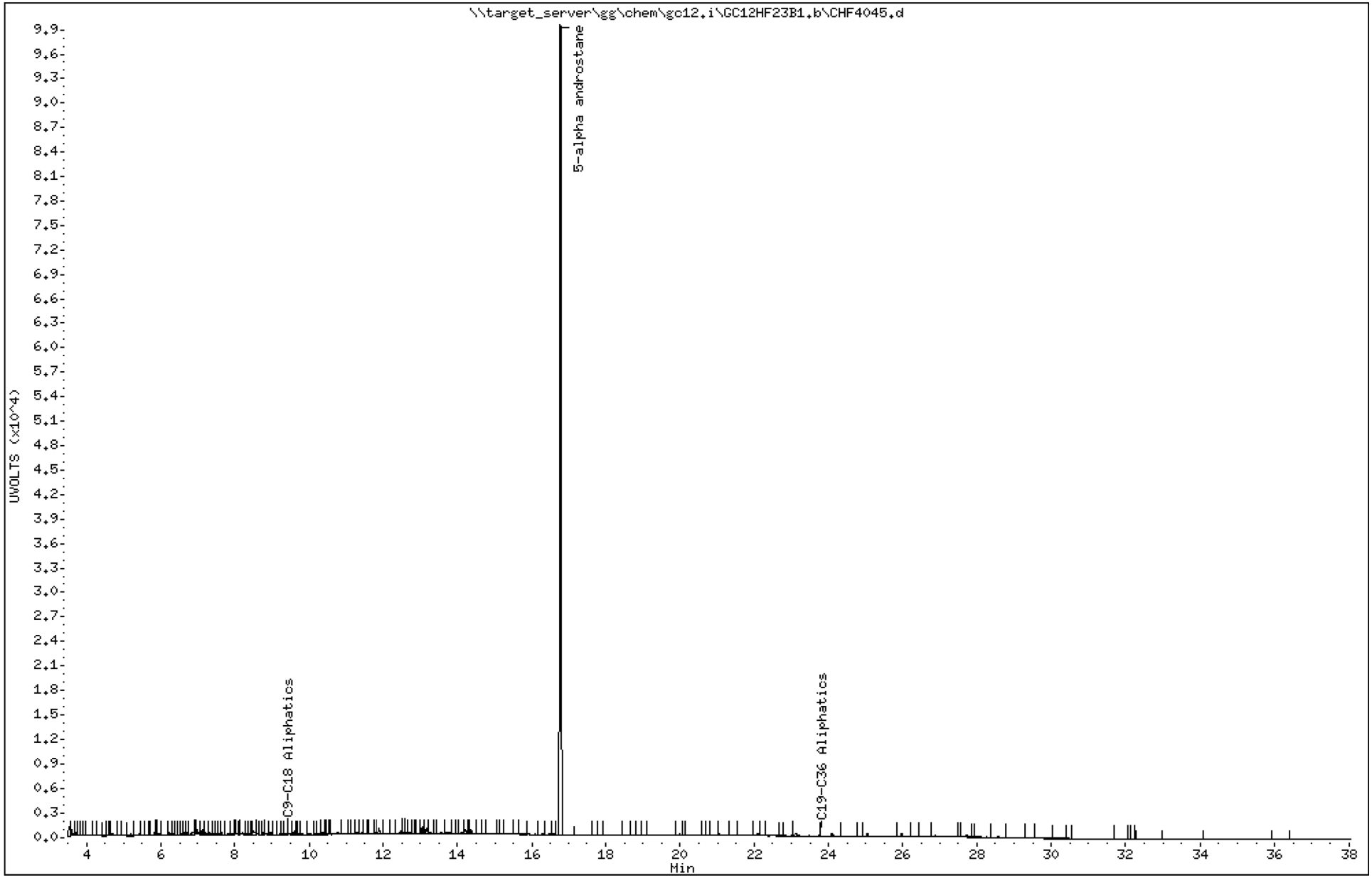
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Inj Date : 23-JUN-2014 20:27
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-14
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.766	16.782	-0.016	361115	28.0423	52.9	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4045.d
Date : 23-JUN-2014 20:27
Client ID: FTA-GW-DUP01-061814
Instrument: gc12.i
Sample Info: SH4401-14
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000057

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-16
Client ID: FTA-MW-218-061814
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4046.D

Sample Date: 18-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	72	ug/L	1	100	96.	48.	72.
C9-C18 Aliphatics	U	72	ug/L	1	100	96.	48.	72.
C19-C36 Aliphatics	U	72	ug/L	1	100	96.	48.	72.
C11-C22 Aromatics	U	72	ug/L	1	100	96.	48.	72.
5-Alpha Androstane		57.1	%					
o-Terphenyl		90.8	%					
2-Fluorobiphenyl		93.4	%					
2-Bromonaphthalene		94.4	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3046.d
Report Date: 09-Jul-2014 12:30

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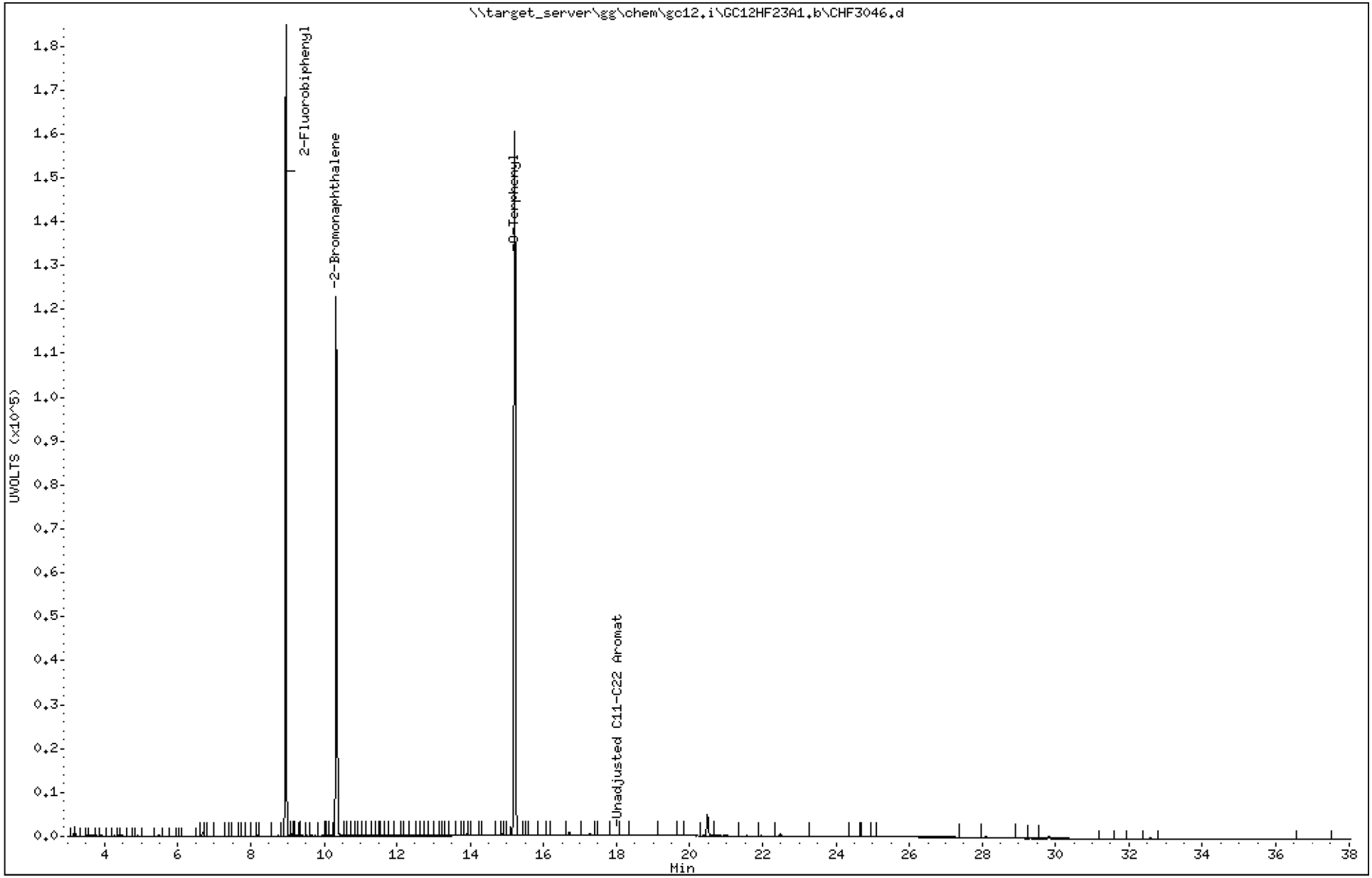
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Lab Smp Id: SH4401-16 Client Smp ID: FTA-MW-218-061814
Inj Date : 23-JUN-2014 21:12
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-16
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.956	8.982	-0.026	498074	42.0412	80.8	
$ 6 2-Bromonaphthalene	10.336	10.364	-0.028	342409	42.4823	81.7	
$ 11 O-Terphenyl	15.211	15.242	-0.031	537679	40.8201	78.5	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3046.d
Date : 23-JUN-2014 21:12
Client ID: FTA-MW-218-061814
Instrument: gc12.i
Sample Info: SH4401-16
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



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Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4046.d
Report Date: 09-Jul-2014 12:31

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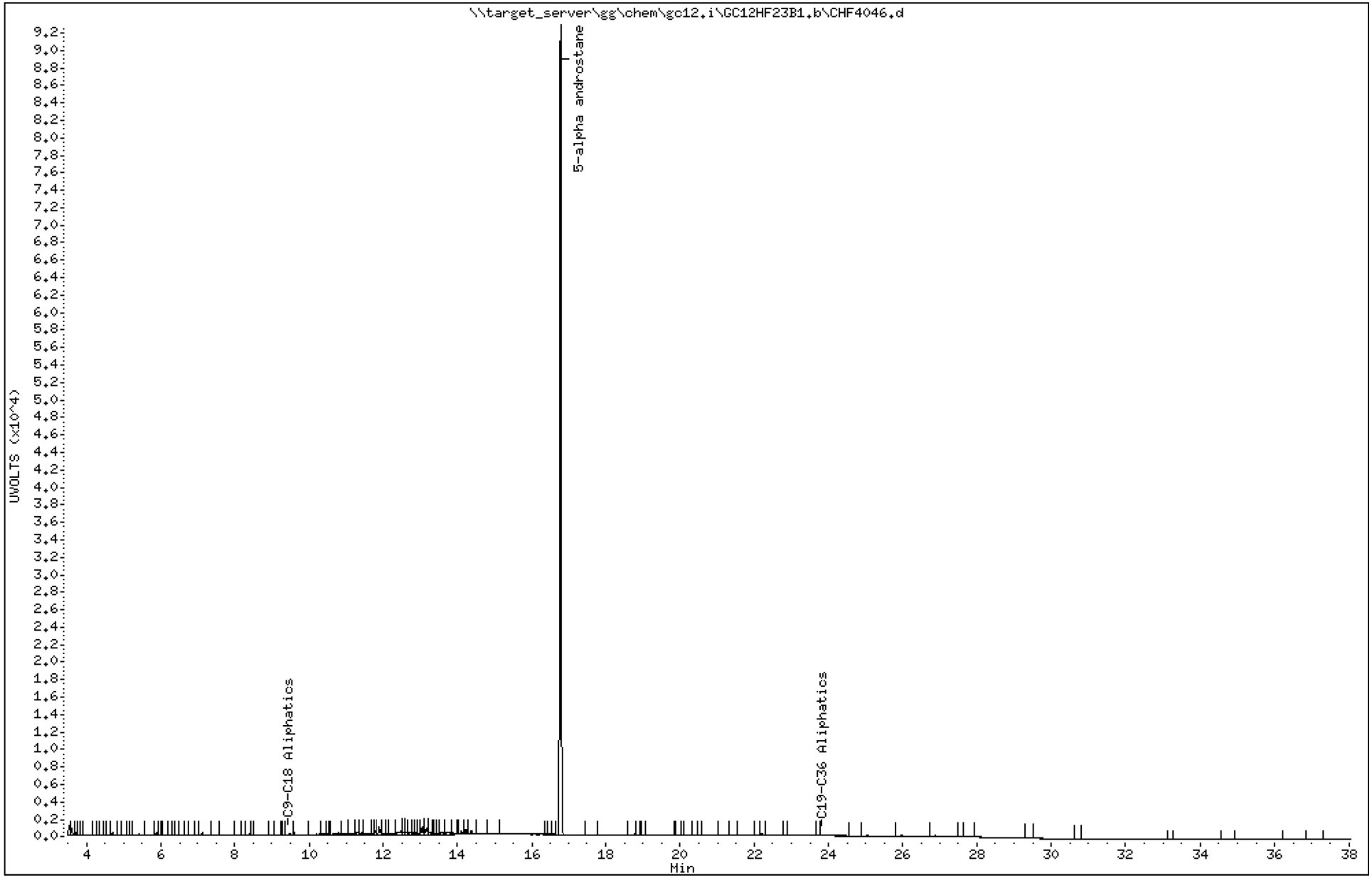
Data file : \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4046.d
Lab Smp Id: SH4401-16 Client Smp ID: FTA-MW-218-061814
Inj Date : 23-JUN-2014 21:12
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-16
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.767	16.782	-0.015	330546	25.6685	49.4	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4046.d
Date : 23-JUN-2014 21:12
Client ID: FTA-MW-218-061814
Instrument: gc12.i
Sample Info: SH4401-16
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



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Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-18
Client ID: FTA-MW-206-061814
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4047.D

Sample Date: 18-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		62.7	%					
o-Terphenyl		80.8	%					
2-Fluorobiphenyl		86.6	%					
2-Bromonaphthalene		87.0	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3047.d
Report Date: 09-Jul-2014 12:30

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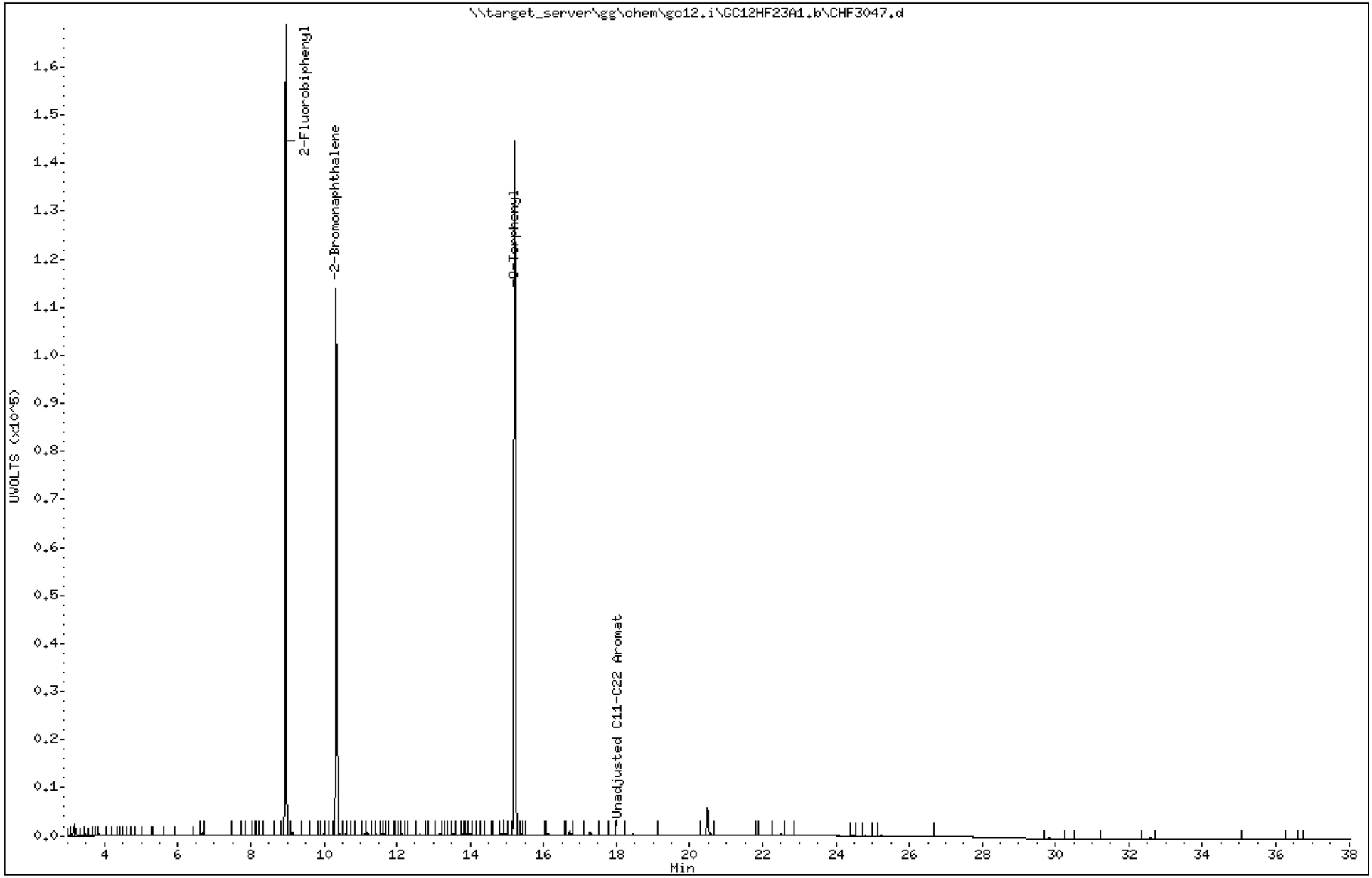
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Inj Date : 23-JUN-2014 21:57
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-18
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.956	8.982	-0.026	461456	38.9504	73.5	
$ 6 2-Bromonaphthalene	10.336	10.364	-0.028	315526	39.1469	73.9	
$ 11 O-Terphenyl	15.212	15.242	-0.030	478823	36.3518	68.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3047.d
Date : 23-JUN-2014 21:57
Client ID: FTA-MW-206-061814
Instrument: gc12.i
Sample Info: SH4401-18
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



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Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4047.d
Report Date: 09-Jul-2014 12:31

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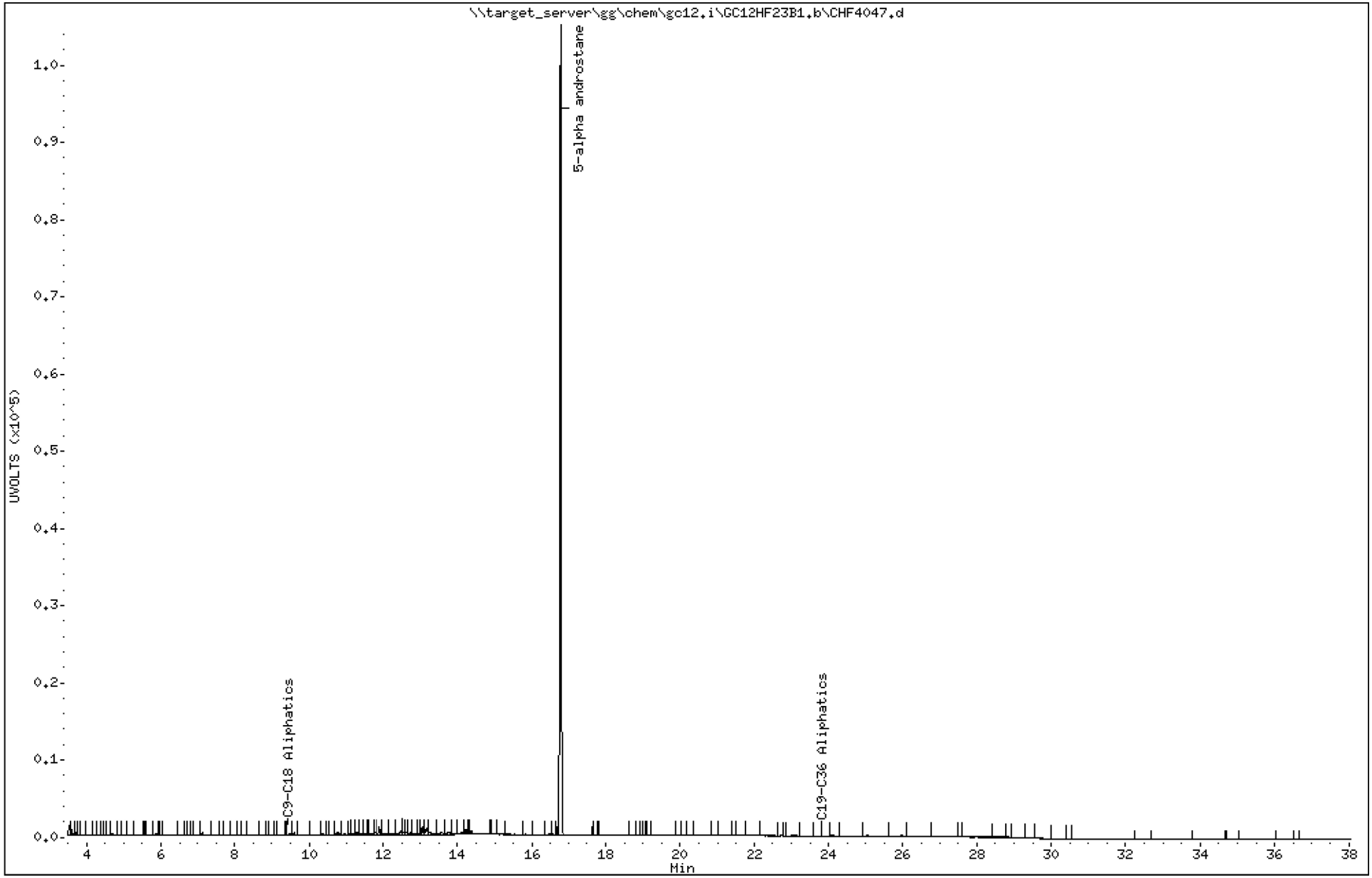
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Inj Date : 23-JUN-2014 21:57
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-18
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS		
					ON-COLUMN	FINAL	
Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.769	16.782	-0.013	363352	28.2160	53.2	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4047.d
Date : 23-JUN-2014 21:57
Client ID: FTA-MW-206-061814
Instrument: gc12.i
Sample Info: SH4401-18
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



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Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4401-20
Client ID: FTA-MW-14-061714
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4048.D

Sample Date: 17-JUN-14
Received Date: 19-JUN-14
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		56.1	%					
o-Terphenyl		77.5	%					
2-Fluorobiphenyl		82.7	%					
2-Bromonaphthalene		82.8	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3048.d
Report Date: 09-Jul-2014 12:30

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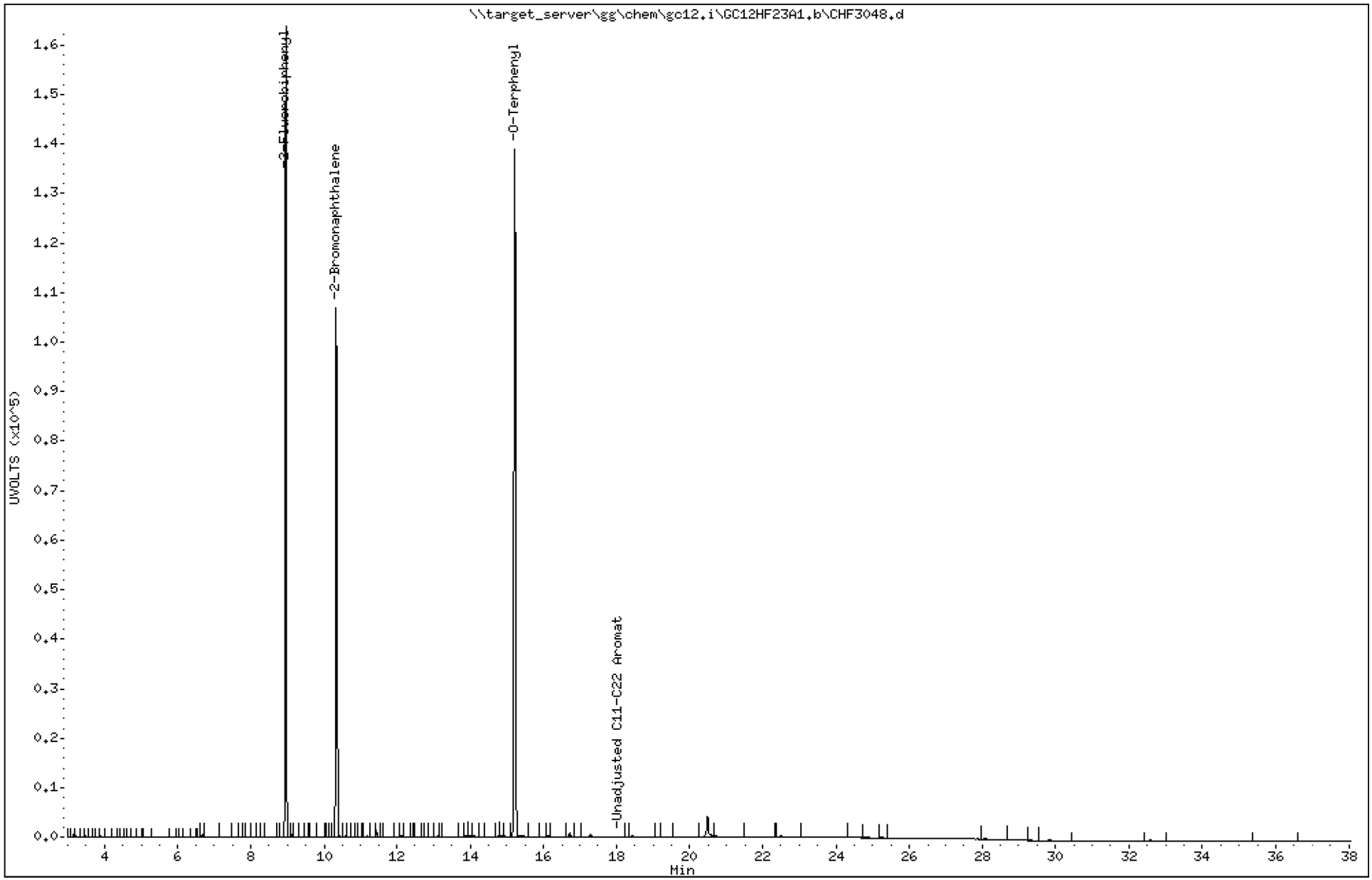
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Lab Smp Id: SH4401-20 Client Smp ID: FTA-MW-14-061714
Inj Date : 23-JUN-2014 22:43
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-20
Misc Info : WG145269,WG145094,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.956	8.982	-0.026	440812	37.2079	70.2	
$ 6 2-Bromonaphthalene	10.337	10.364	-0.027	300250	37.2517	70.3	
$ 11 O-Terphenyl	15.213	15.242	-0.029	459202	34.8622	65.8	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3048.d
Date : 23-JUN-2014 22:43
Client ID: FTA-MW-14-061714
Instrument: gc12.i
Sample Info: SH4401-20
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



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Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4048.d
Report Date: 09-Jul-2014 12:31

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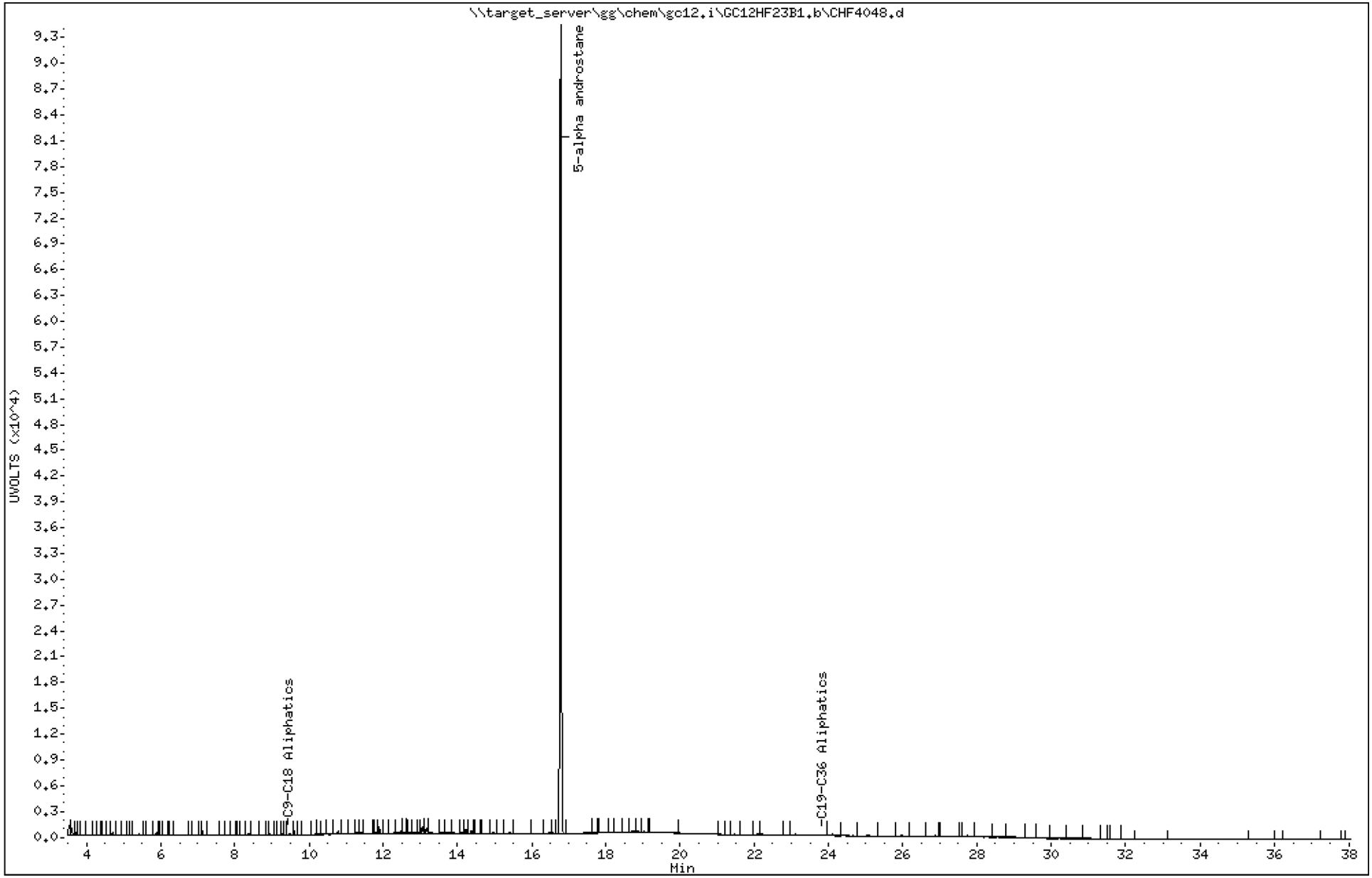
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Inj Date : 23-JUN-2014 22:43
Operator : AC Inst ID: gc12.i
Smp Info : SH4401-20
Misc Info : WG145269,WG145094,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.770	16.782	-0.012	325279	25.2595	47.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4048.d
Date : 23-JUN-2014 22:43
Client ID: FTA-MW-14-061714
Instrument: gc12.i
Sample Info: SH4401-20
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000072

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-2
Client ID: FTA-MW-208-061814
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4149.D

Sample Date: 18-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	72	ug/L	1	100	96.	48.	72.
C9-C18 Aliphatics	U	72	ug/L	1	100	96.	48.	72.
C19-C36 Aliphatics	U	72	ug/L	1	100	96.	48.	72.
C11-C22 Aromatics	U	72	ug/L	1	100	96.	48.	72.
5-Alpha Androstane		59.6	%					
o-Terphenyl		69.9	%					
2-Fluorobiphenyl		72.0	%					
2-Bromonaphthalene		72.4	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3149.d
Report Date: 09-Jul-2014 14:03

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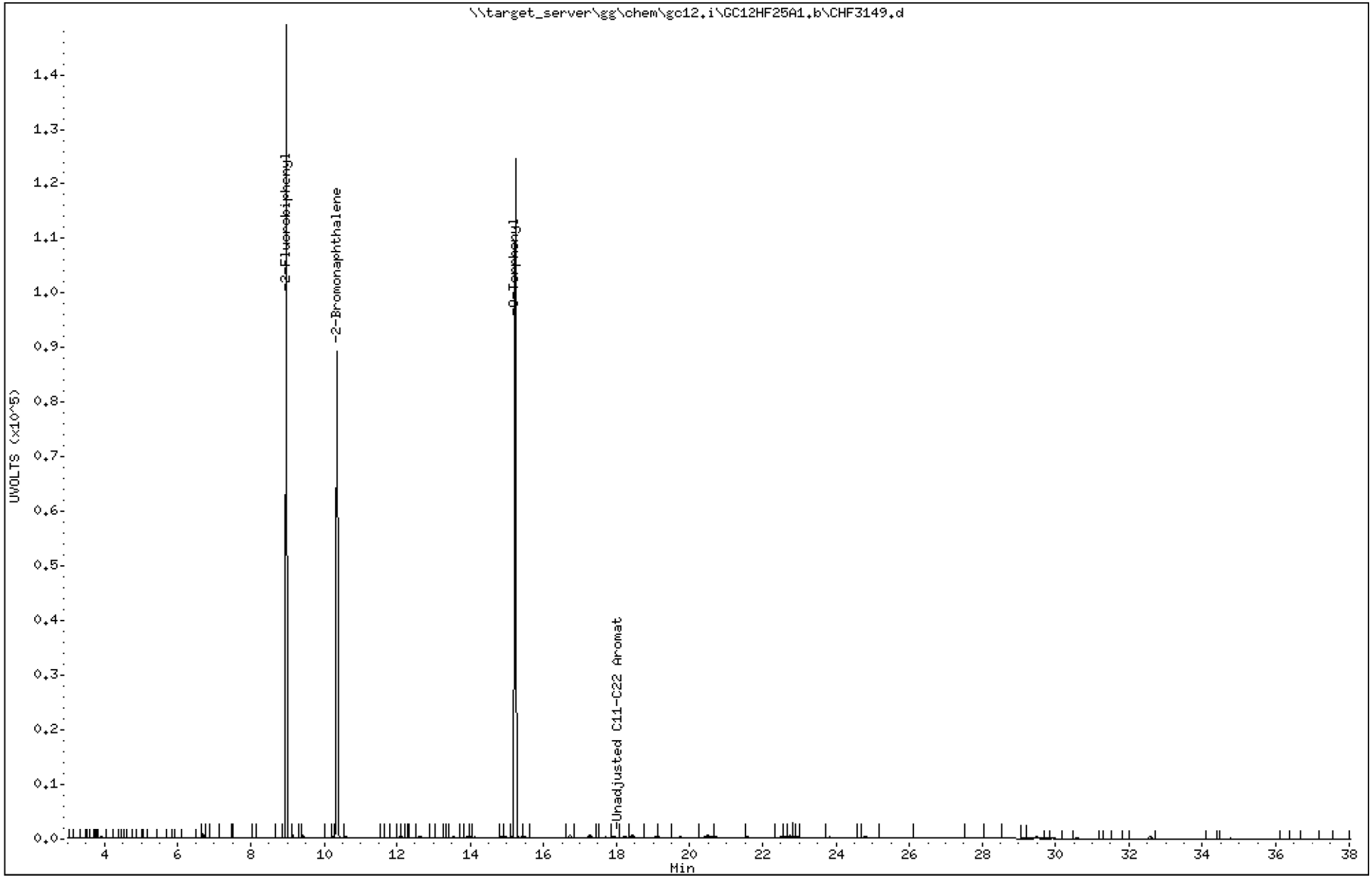
Data file : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3149.d
Lab Smp Id: SH4521-2 Client Smp ID: FTA-MW-208-061814
Inj Date : 27-JUN-2014 05:48
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-2
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.972	8.982	-0.010	383961	32.4092	62.3	
$ 6 2-Bromonaphthalene	10.352	10.364	-0.012	262215	32.5327	62.6	
$ 11 O-Terphenyl	15.226	15.185	0.041	414168	31.4433	60.5	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3149.d
Date : 27-JUN-2014 05:48
Client ID: FTA-MW-208-061814
Instrument: gc12.i
Sample Info: SH4521-2
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



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Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4149.d
Report Date: 09-Jul-2014 14:04

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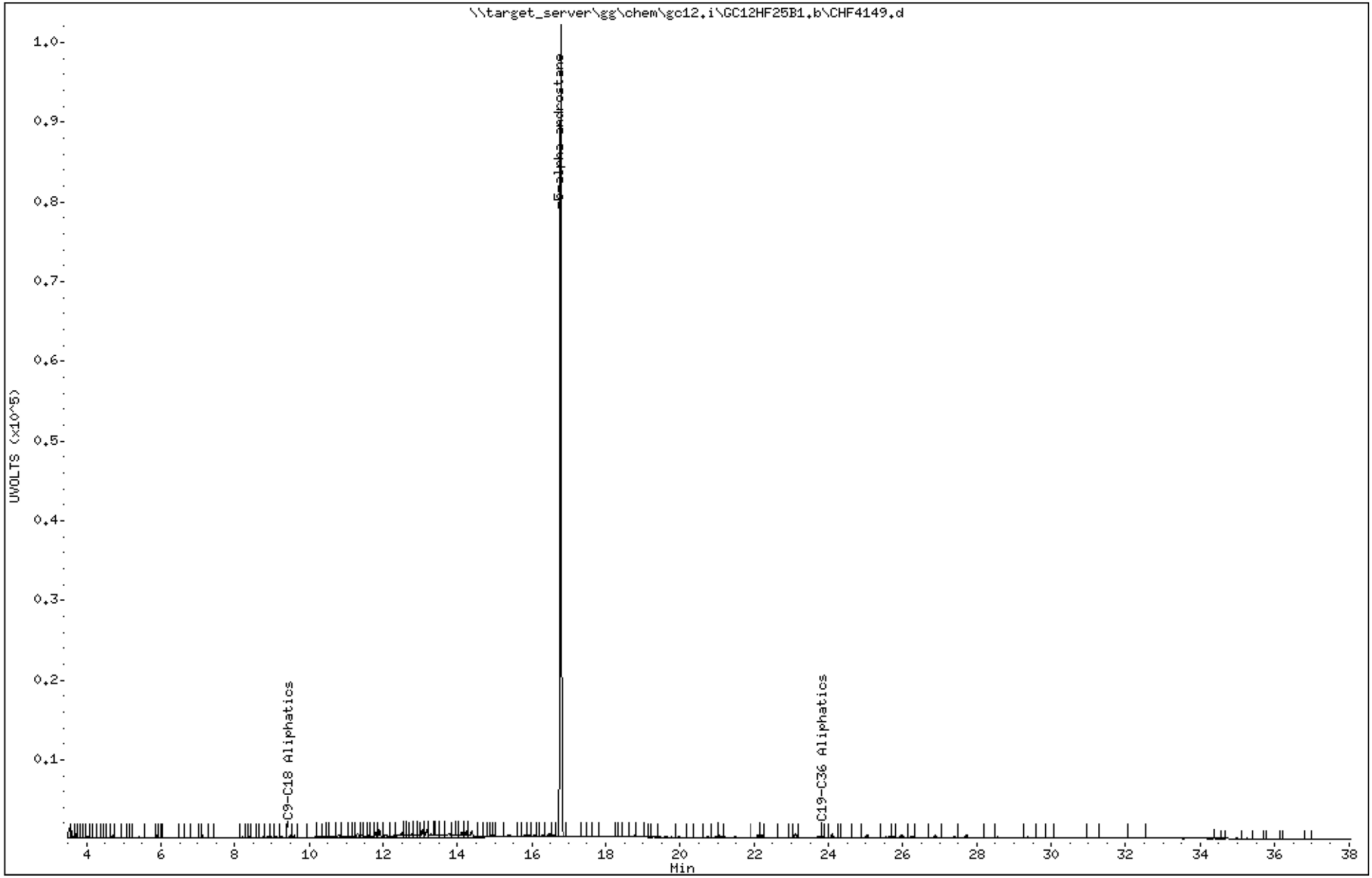
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Inj Date : 27-JUN-2014 05:48
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-2
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.773	16.782	-0.009	345639	26.8405	51.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4149.d
Date : 27-JUN-2014 05:48
Client ID: FTA-MW-208-061814
Instrument: gc12.i
Sample Info: SH4521-2
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000077

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-4
Client ID: FTA-MW-1-061814
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4150.D

Sample Date: 18-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		51.4	%					
o-Terphenyl		69.1	%					
2-Fluorobiphenyl		72.6	%					
2-Bromonaphthalene		74.2	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3150.d
Report Date: 09-Jul-2014 14:03

Katahdin Analytical Services

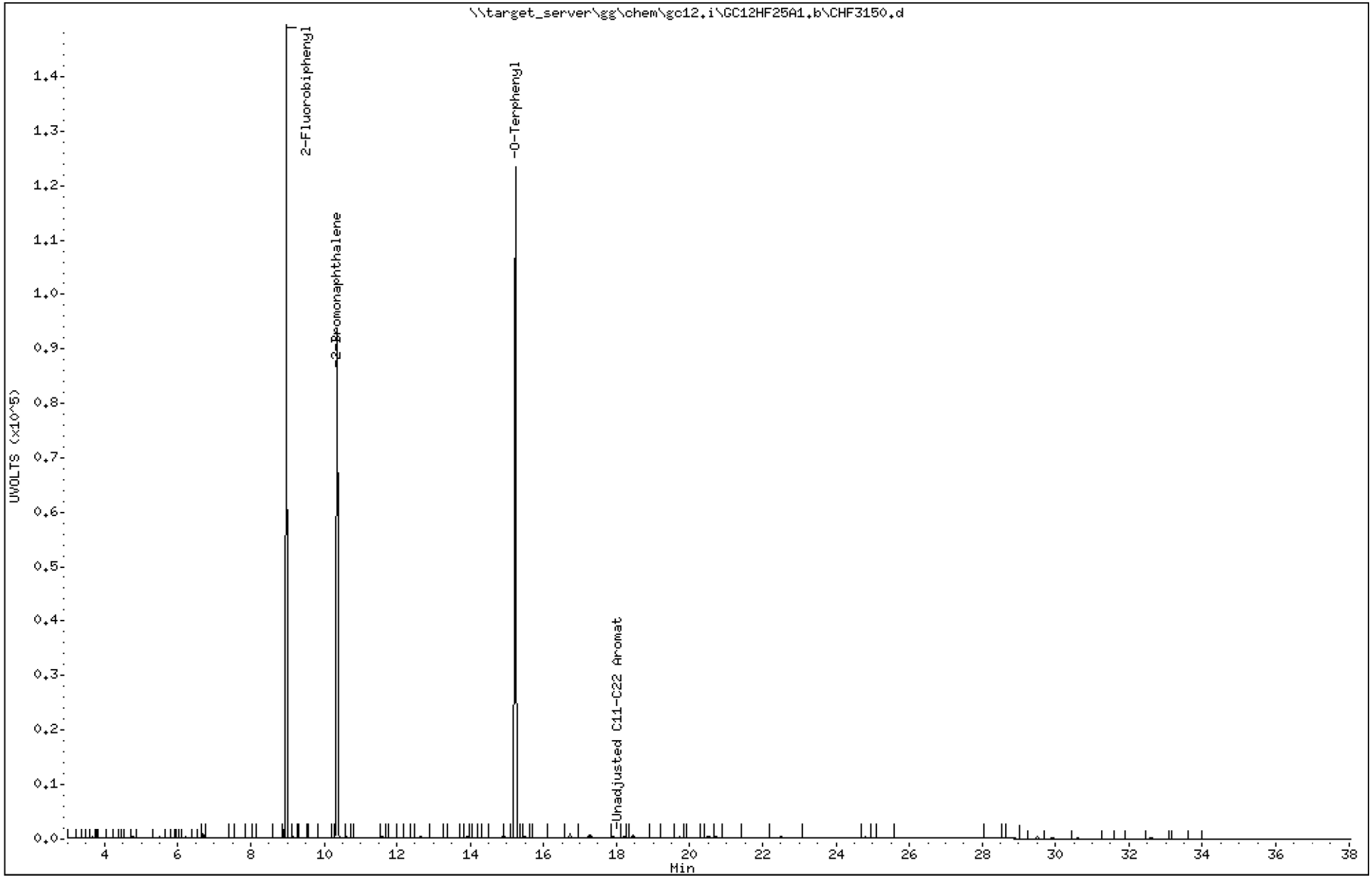
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Lab Smp Id: SH4521-4 Client Smp ID: FTA-MW-1-061814
Inj Date : 27-JUN-2014 06:34
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-4
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.973	8.982	-0.009	386723	32.6424	61.6	
$ 6 2-Bromonaphthalene	10.355	10.364	-0.009	268944	33.3676	63.0	
$ 11 O-Terphenyl	15.227	15.185	0.042	409845	31.1151	58.7	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3150.d
Date : 27-JUN-2014 06:34
Client ID: FTA-MW-1-061814
Instrument: gc12.i
Sample Info: SH4521-4
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000080

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4150.d
Report Date: 09-Jul-2014 14:04

Katahdin Analytical Services

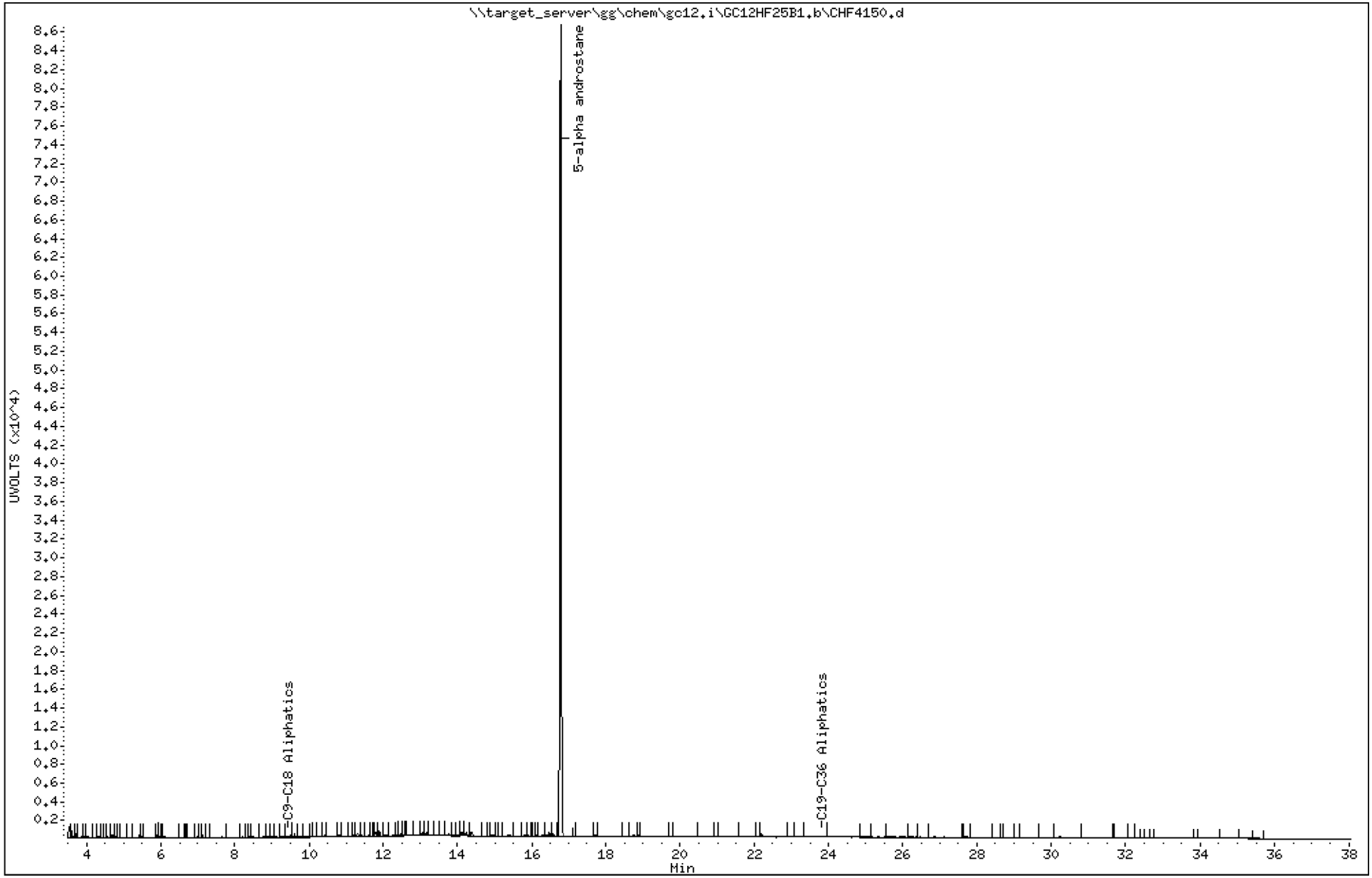
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Lab Smp Id: SH4521-4 Client Smp ID: FTA-MW-1-061814
Inj Date : 27-JUN-2014 06:34
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-4
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.770	16.782	-0.012	297870	23.1310	43.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4150.d
Date : 27-JUN-2014 06:34
Client ID: FTA-MW-1-061814
Instrument: gc12.i
Sample Info: SH4521-4
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000082

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-6
Client ID: FTA-GW-DUP02-061814
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4151.D

Sample Date: 18-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		53.5	%					
o-Terphenyl		65.5	%					
2-Fluorobiphenyl		71.4	%					
2-Bromonaphthalene		71.4	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3151.d
Report Date: 09-Jul-2014 14:03

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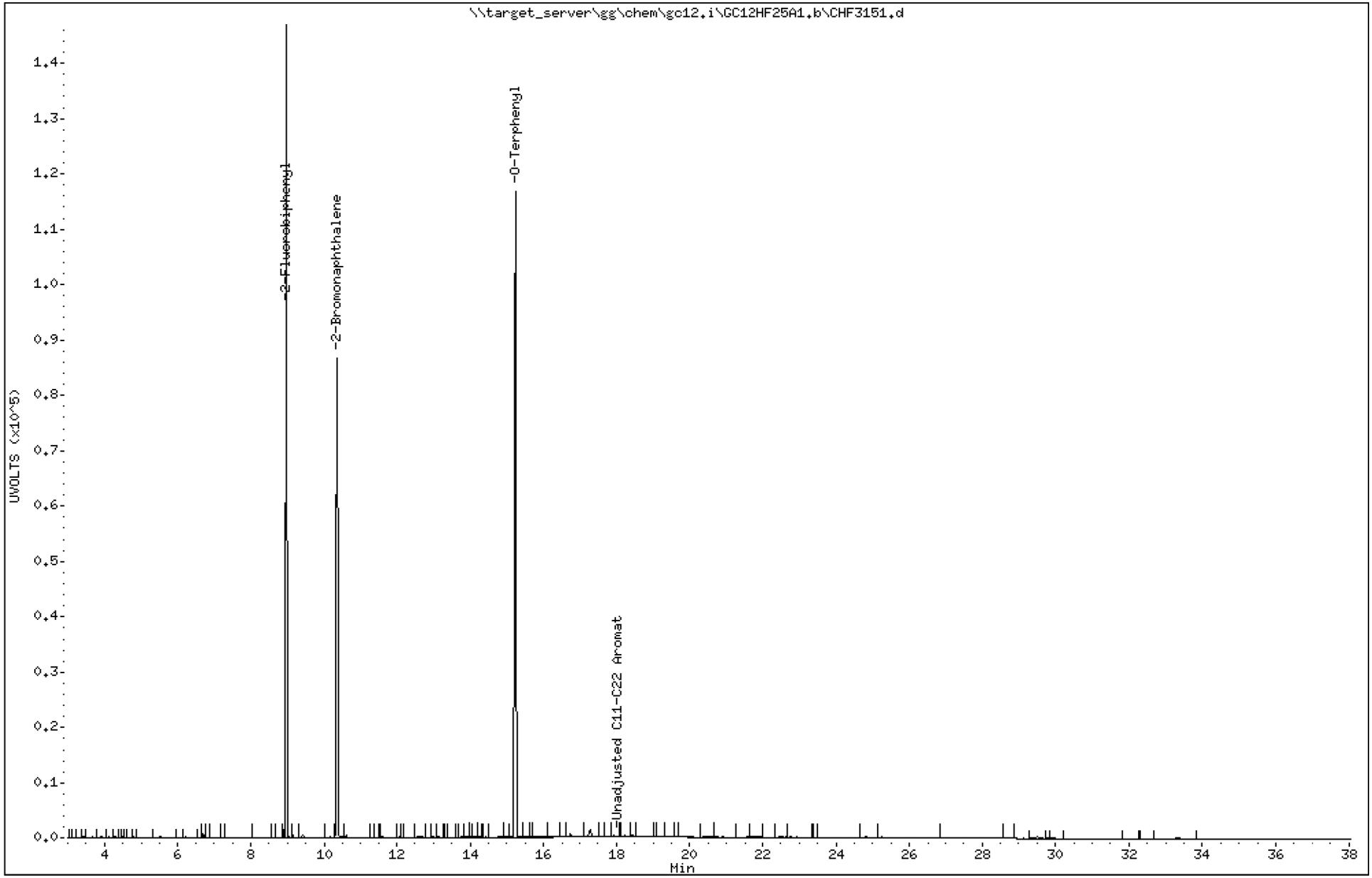
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Lab Smp Id: SH4521-6 Client Smp ID: FTA-GW-DUP02-061814
Inj Date : 27-JUN-2014 07:19
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-6
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.972	8.982	-0.010	380209	32.0925	60.6	
$ 6 2-Bromonaphthalene	10.353	10.364	-0.011	258703	32.0970	60.6	
$ 11 O-Terphenyl	15.226	15.185	0.041	388493	29.4941	55.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3151.d
Date : 27-JUN-2014 07:19
Client ID: FTA-GW-DUP02-061814
Instrument: gc12.i
Sample Info: SH4521-6
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



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Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4151.d
Report Date: 09-Jul-2014 14:04

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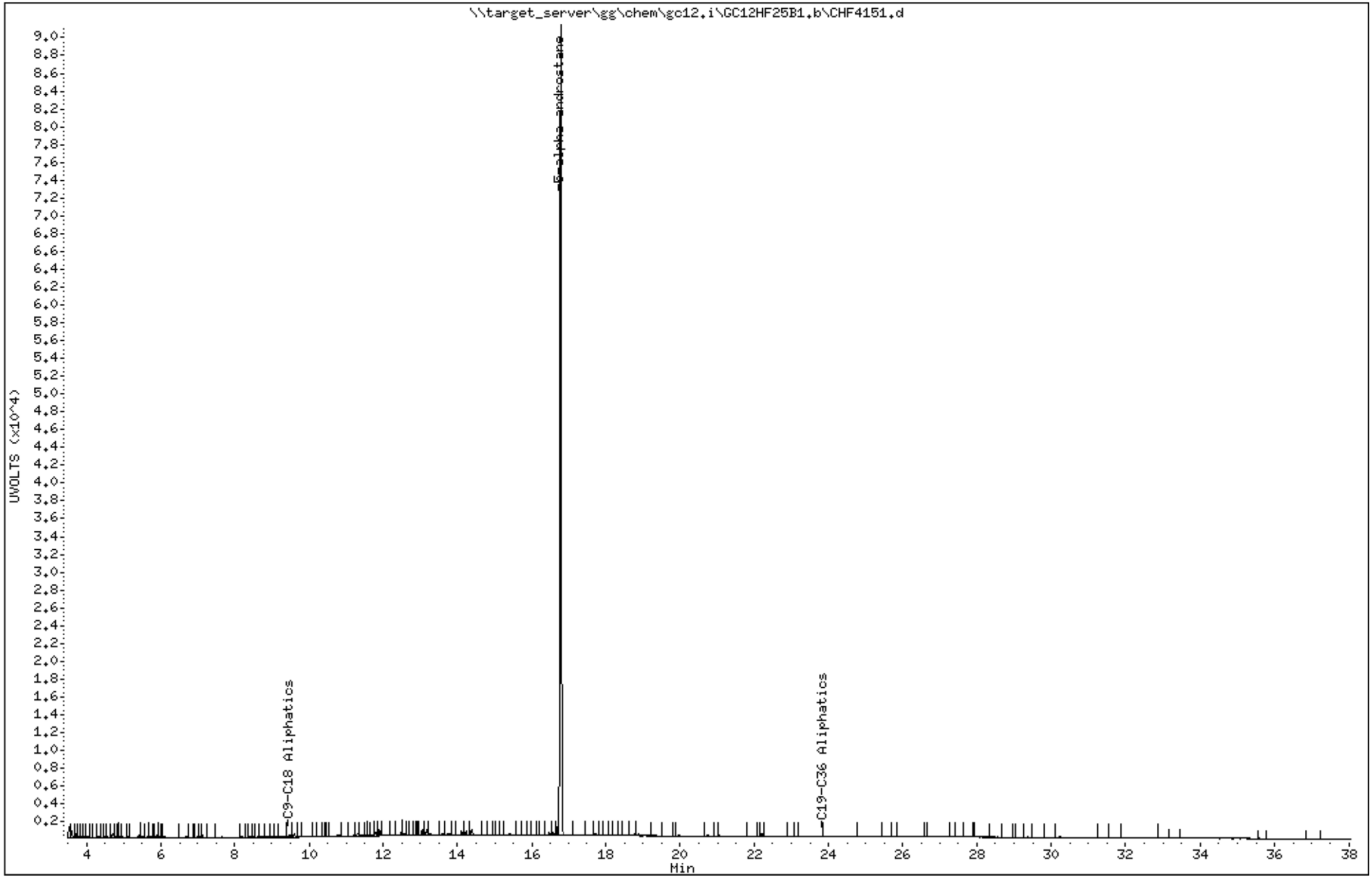
Data file : \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4151.d
Lab Smp Id: SH4521-6 Client Smp ID: FTA-GW-DUP02-061814
Inj Date : 27-JUN-2014 07:19
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-6
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.772	16.782	-0.010	310144	24.0842	45.4	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4151.d
Date : 27-JUN-2014 07:19
Client ID: FTA-GW-DUP02-061814
Instrument: gc12.i
Sample Info: SH4521-6
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000087

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-8
Client ID: FTA-MW-210-061814
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4152.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	72	ug/L	1	100	96.	48.	72.
C9-C18 Aliphatics	U	72	ug/L	1	100	96.	48.	72.
C19-C36 Aliphatics	U	72	ug/L	1	100	96.	48.	72.
C11-C22 Aromatics	U	72	ug/L	1	100	96.	48.	72.
5-Alpha Androstane		49.0	%					
o-Terphenyl		66.6	%					
2-Fluorobiphenyl		66.9	%					
2-Bromonaphthalene		66.4	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3152.d
Report Date: 09-Jul-2014 14:03

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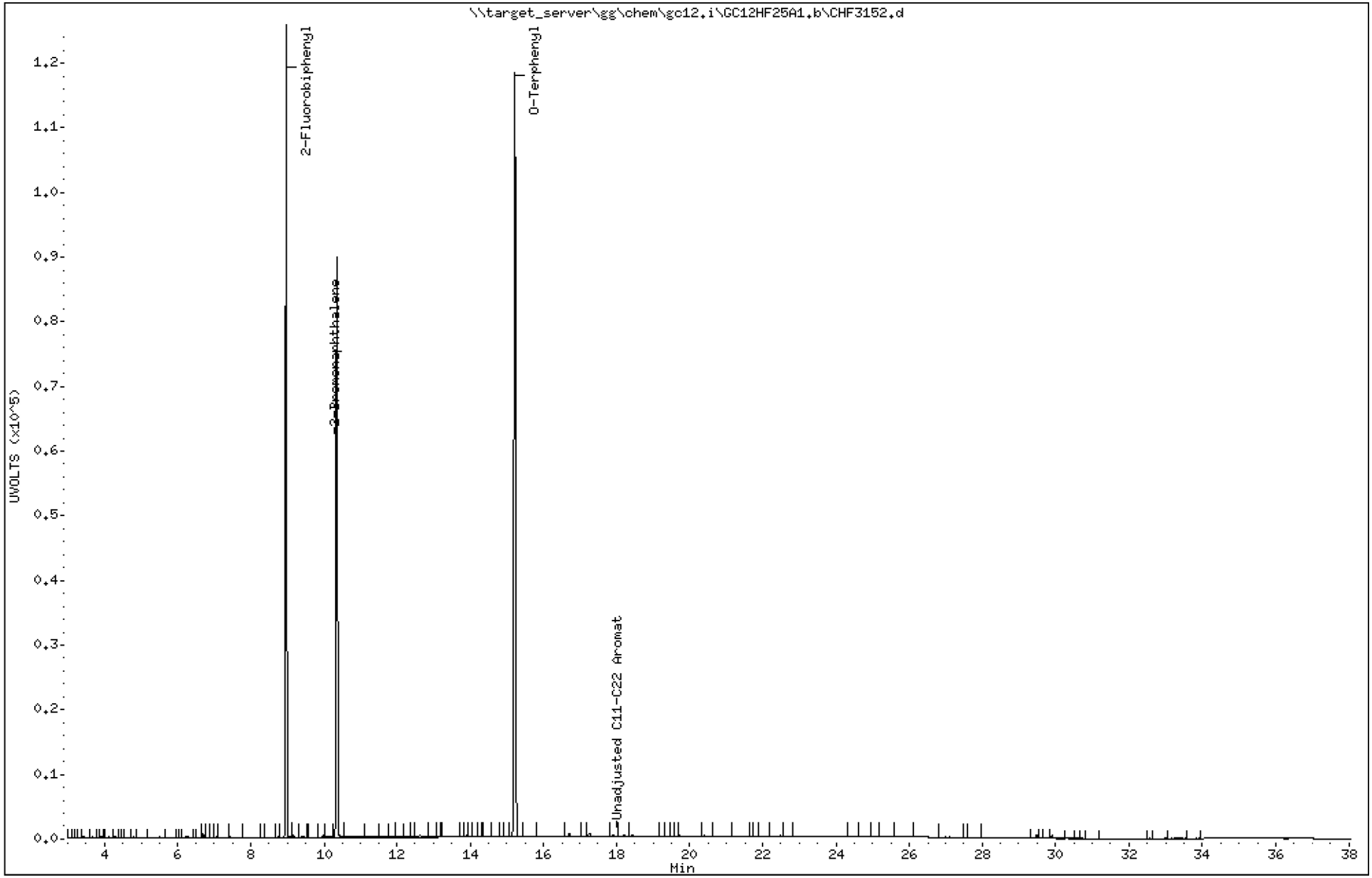
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Inj Date : 27-JUN-2014 08:04
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-8
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.967	8.982	-0.015	356565	30.0968	57.9	
$ 6 2-Bromonaphthalene	10.345	10.364	-0.019	240775	29.8727	57.4	
$ 11 O-Terphenyl	15.214	15.185	0.029	394244	29.9307	57.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3152.d
Date : 27-JUN-2014 08:04
Client ID: FTA-MW-210-061814
Instrument: gc12.i
Sample Info: SH4521-8
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000090

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4152.d
Report Date: 09-Jul-2014 14:04

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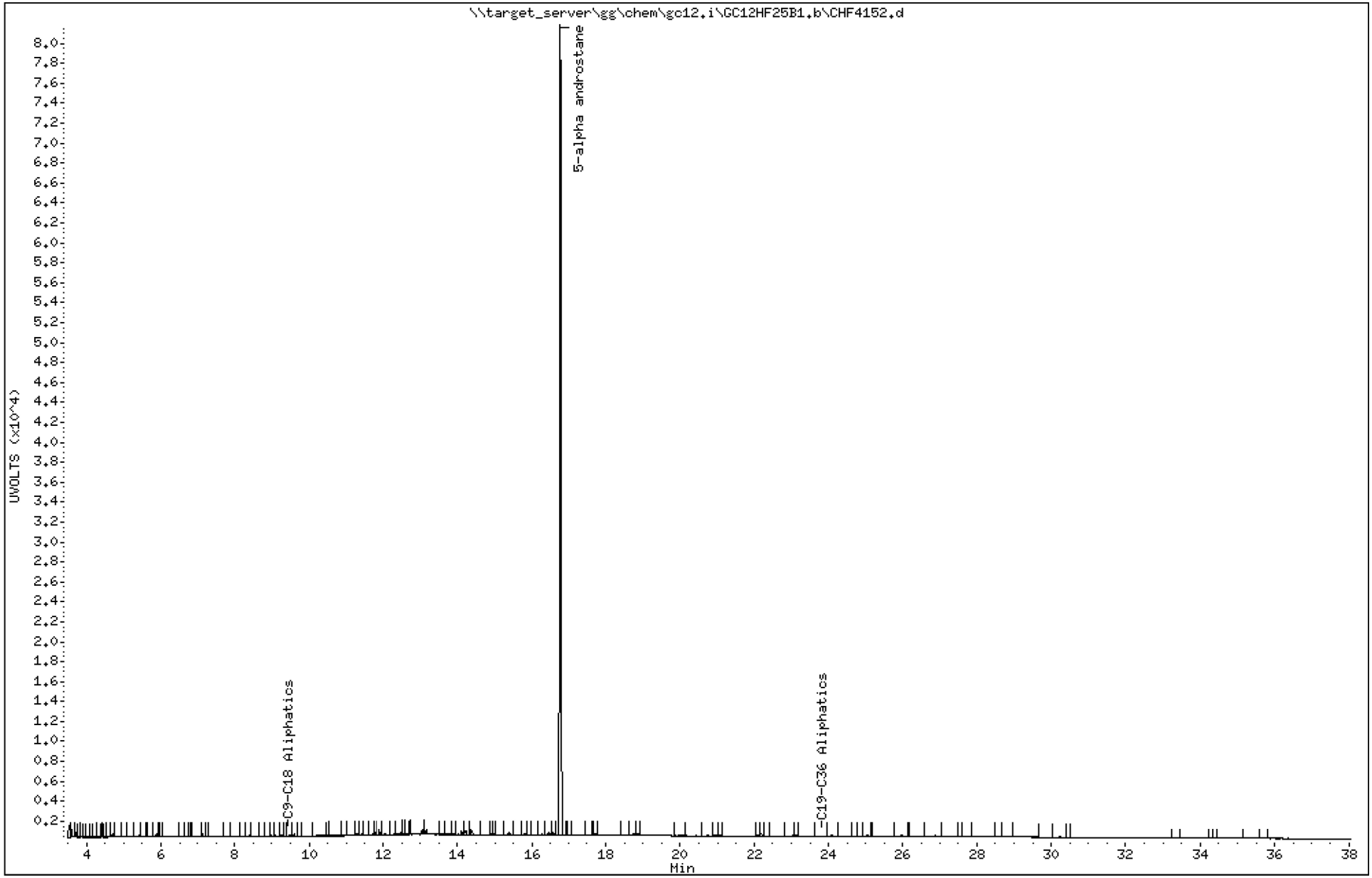
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Lab Smp Id: SH4521-8 Client Smp ID: FTA-MW-210-061814
Inj Date : 27-JUN-2014 08:04
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-8
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.764	16.782	-0.018	283765	22.0357	42.4	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4152.d
Date : 27-JUN-2014 08:04
Client ID: FTA-MW-210-061814
Instrument: gc12.i
Sample Info: SH4521-8
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000092

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-10
Client ID: FTA-SW-01-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4153.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	95.	48.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	95.	48.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	95.	48.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	95.	48.	71.
5-Alpha Androstane		52.0	%					
o-Terphenyl		68.1	%					
2-Fluorobiphenyl		71.9	%					
2-Bromonaphthalene		72.6	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3153.d
Report Date: 09-Jul-2014 14:03

Katahdin Analytical Services

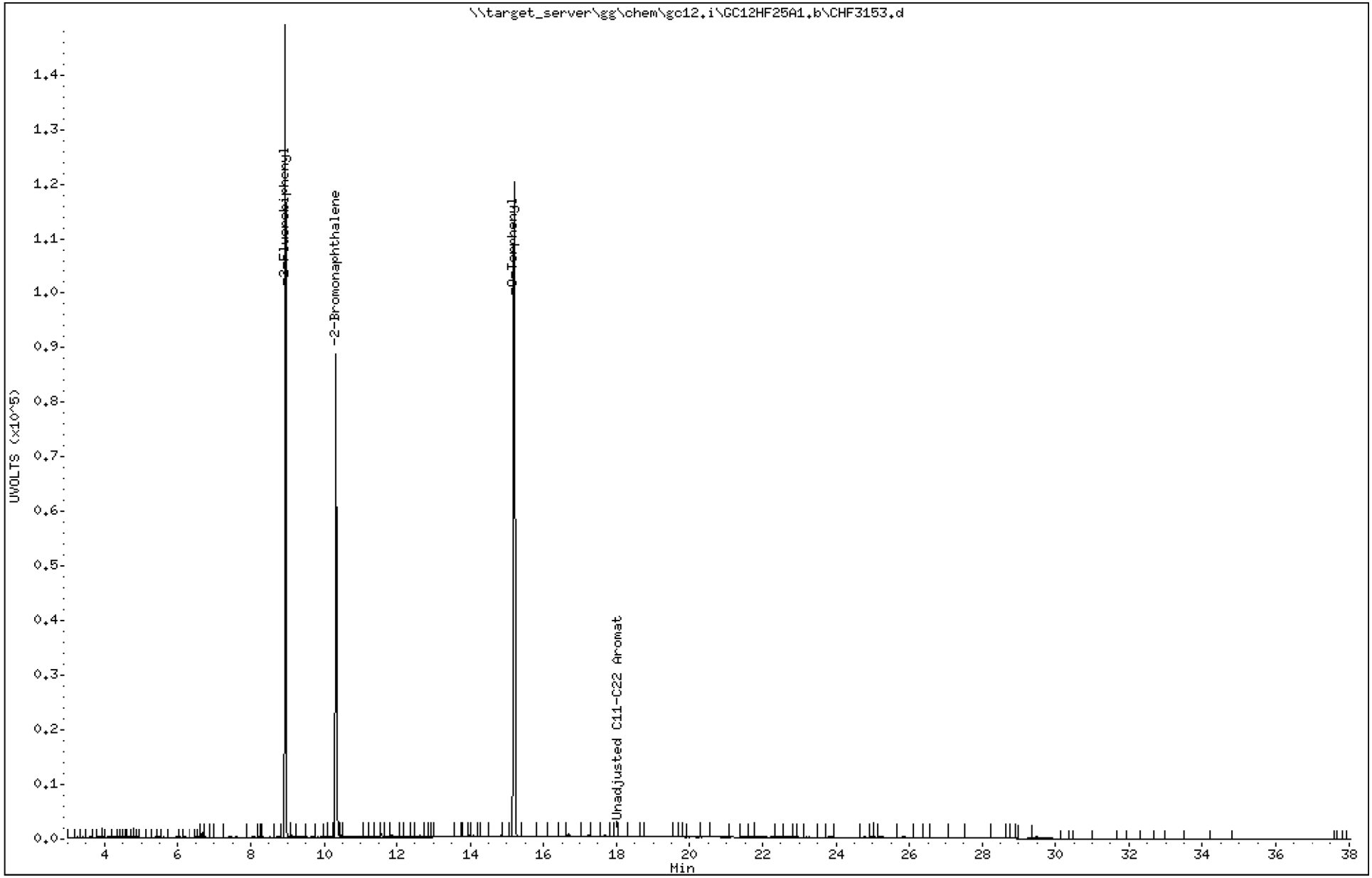
Data file : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3153.d
Lab Smp Id: SH4521-10 Client Smp ID: FTA-SW-01-061914
Inj Date : 27-JUN-2014 08:50
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-10
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.945	8.982	-0.037	383234	32.3479	61.6	
$ 6 2-Bromonaphthalene	10.326	10.364	-0.038	263393	32.6789	62.2	
$ 11 O-Terphenyl	15.198	15.185	0.013	404048	30.6750	58.4	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3153.d
Date : 27-JUN-2014 08:50
Client ID: FTA-SW-01-061914
Instrument: gc12.i
Sample Info: SH4521-10
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



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Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4153.d
Report Date: 09-Jul-2014 14:04

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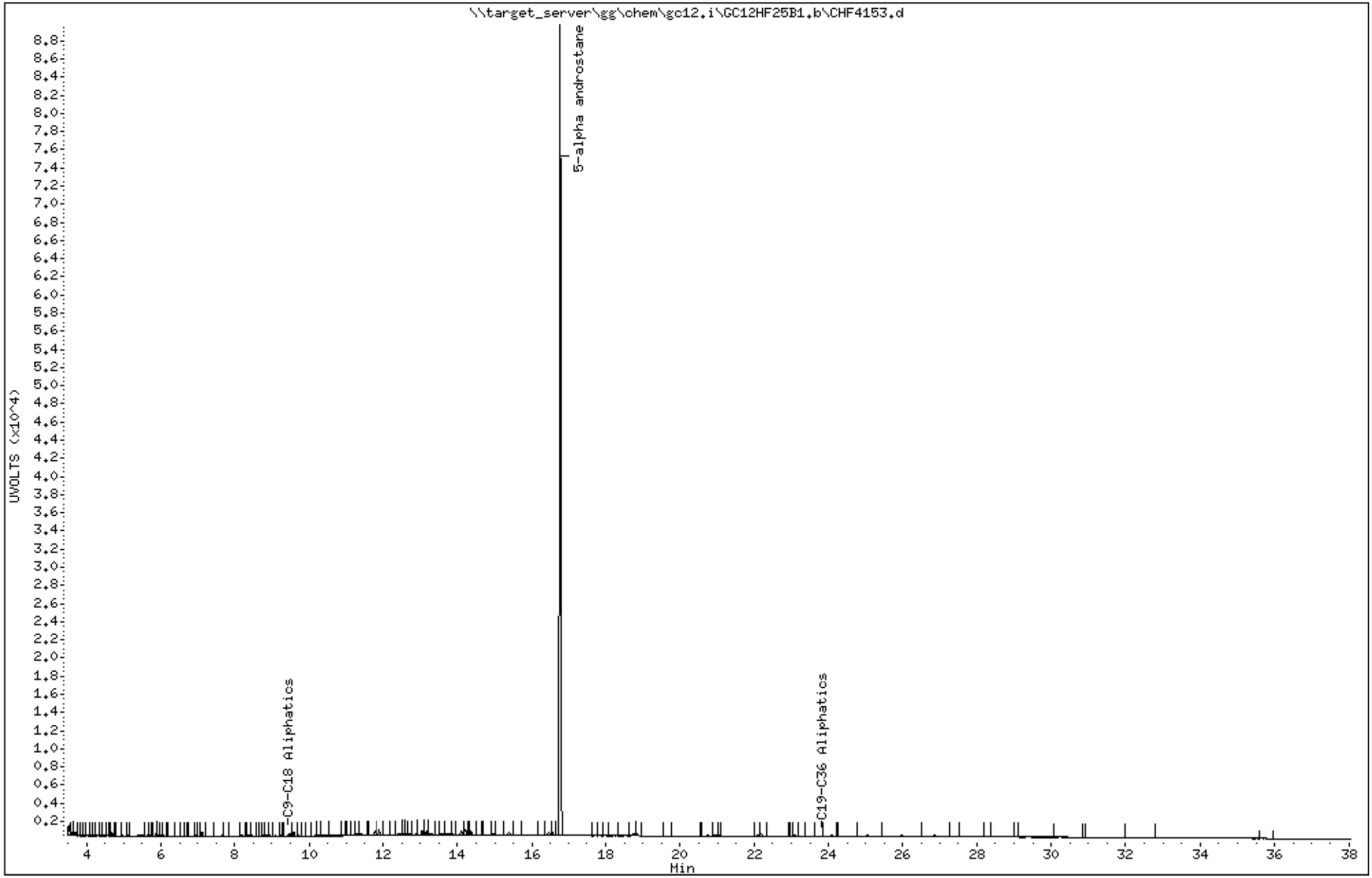
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Inj Date : 27-JUN-2014 08:50
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-10
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.757	16.782	-0.025	301387	23.4041	44.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4153.d
Date : 27-JUN-2014 08:50
Client ID: FTA-SW-01-061914
Instrument: gc12.i
Sample Info: SH4521-10
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000097

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Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-12
Client ID: FTA-SW-02-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4154.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	72	ug/L	1	100	96.	48.	72.
C9-C18 Aliphatics	U	72	ug/L	1	100	96.	48.	72.
C19-C36 Aliphatics	U	72	ug/L	1	100	96.	48.	72.
C11-C22 Aromatics	U	72	ug/L	1	100	96.	48.	72.
5-Alpha Androstane		42.2	%					
o-Terphenyl		65.2	%					
2-Fluorobiphenyl		70.3	%					
2-Bromonaphthalene		70.3	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3154.d
Report Date: 09-Jul-2014 14:03

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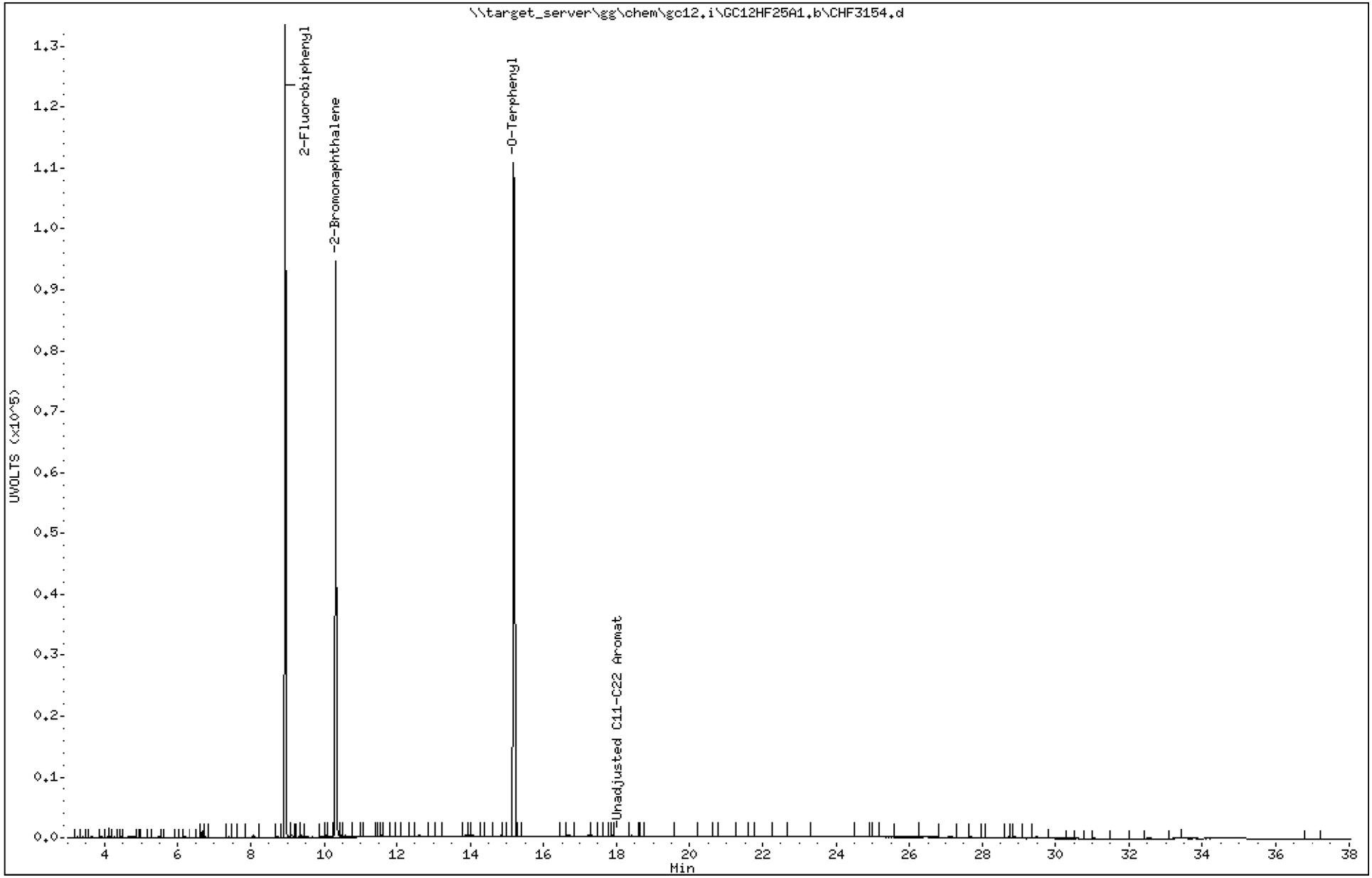
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Lab Smp Id: SH4521-12 Client Smp ID: FTA-SW-02-061914
Inj Date : 27-JUN-2014 09:35
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-12
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.941	8.982	-0.041	374260	31.5904	60.8	
$ 6 2-Bromonaphthalene	10.320	10.364	-0.044	254935	31.6295	60.8	
$ 11 O-Terphenyl	15.192	15.185	0.007	386510	29.3435	56.4	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3154.d
Date : 27-JUN-2014 09:35
Client ID: FTA-SW-02-061914
Instrument: gc12.i
Sample Info: SH4521-12
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000100

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4154.d
Report Date: 09-Jul-2014 14:04

Katahdin Analytical Services

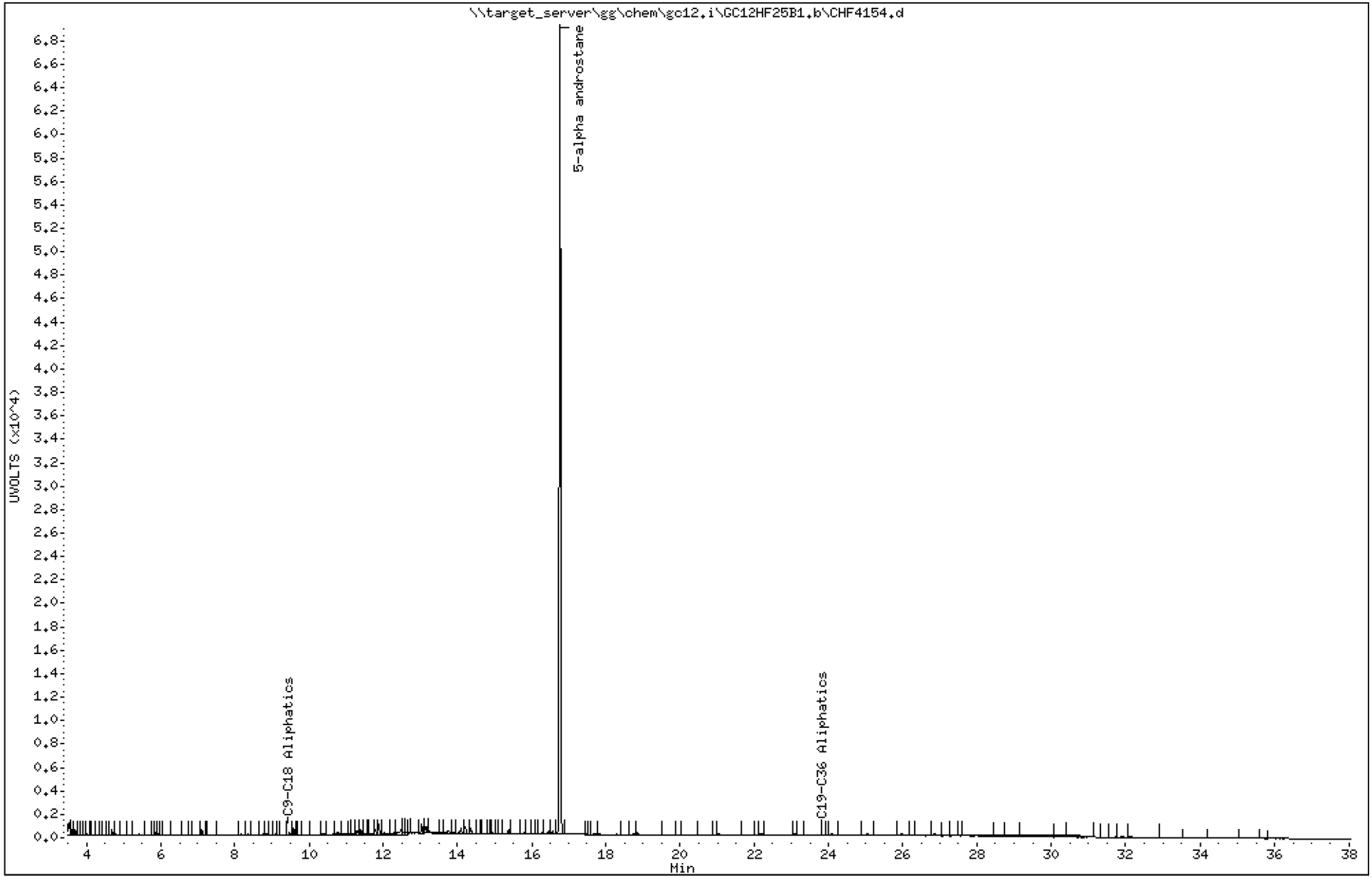
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Inj Date : 27-JUN-2014 09:35
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-12
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.751	16.782	-0.031	244202	18.9634	36.5	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4154.d
Date : 27-JUN-2014 09:35
Client ID: FTA-SW-02-061914
Instrument: gc12.i
Sample Info: SH4521-12
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000102

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-14
Client ID: FTA-SW-03-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4155.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	95.	48.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	95.	48.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	95.	48.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	95.	48.	71.
5-Alpha Androstane		49.9	%					
o-Terphenyl		68.0	%					
2-Fluorobiphenyl		74.6	%					
2-Bromonaphthalene		74.7	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3155.d
Report Date: 09-Jul-2014 14:03

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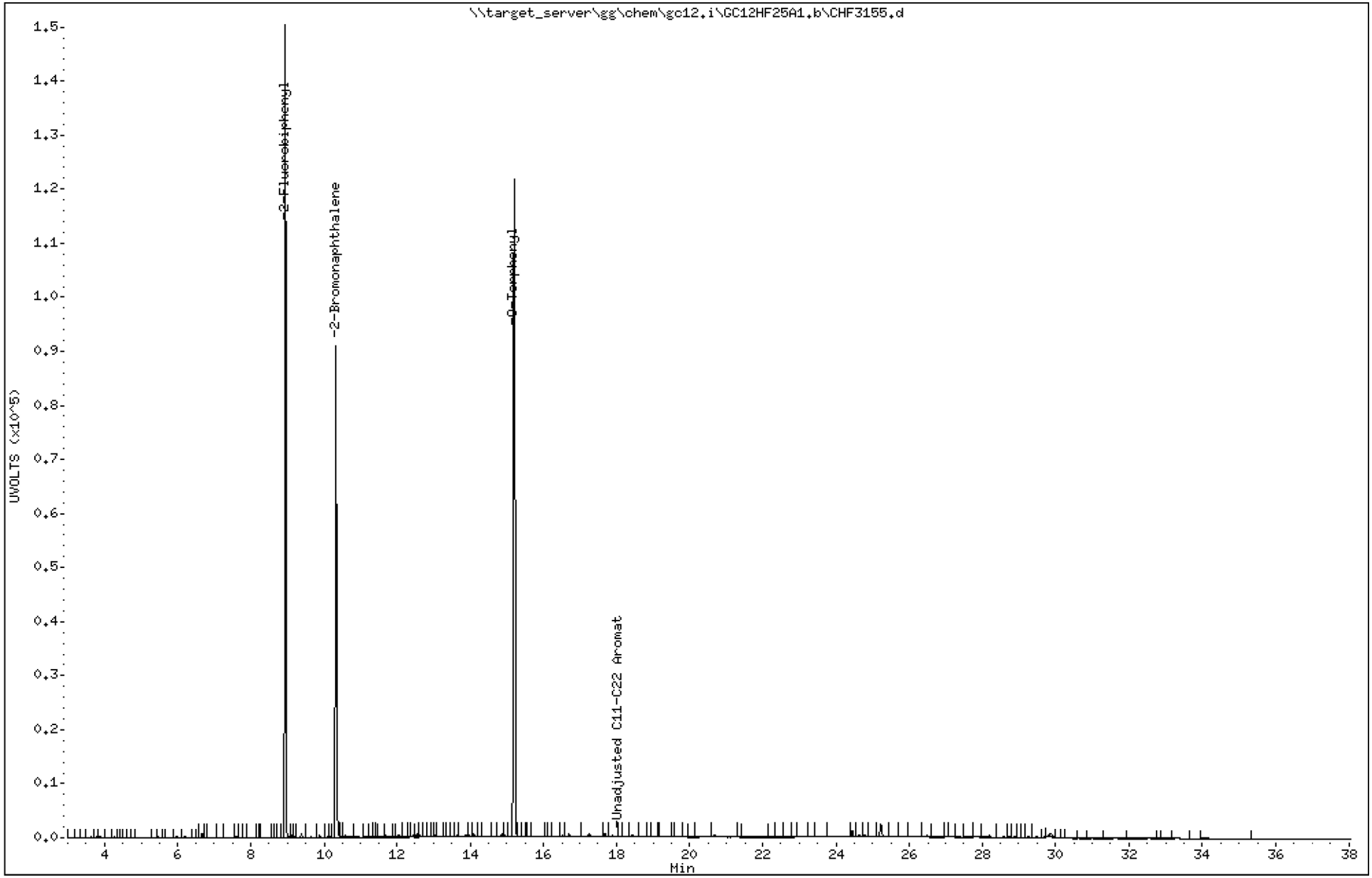
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Lab Smp Id: SH4521-14 Client Smp ID: FTA-SW-03-061914
Inj Date : 27-JUN-2014 10:20
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-14
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.944	8.982	-0.038	397499	33.5519	63.9	
$ 6 2-Bromonaphthalene	10.326	10.364	-0.038	270689	33.5841	64.0	
$ 11 O-Terphenyl	15.199	15.185	0.014	403402	30.6259	58.3	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3155.d
Date : 27-JUN-2014 10:20
Client ID: FTA-SW-03-061914
Instrument: gc12.i
Sample Info: SH4521-14
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000105

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4155.d
Report Date: 09-Jul-2014 14:04

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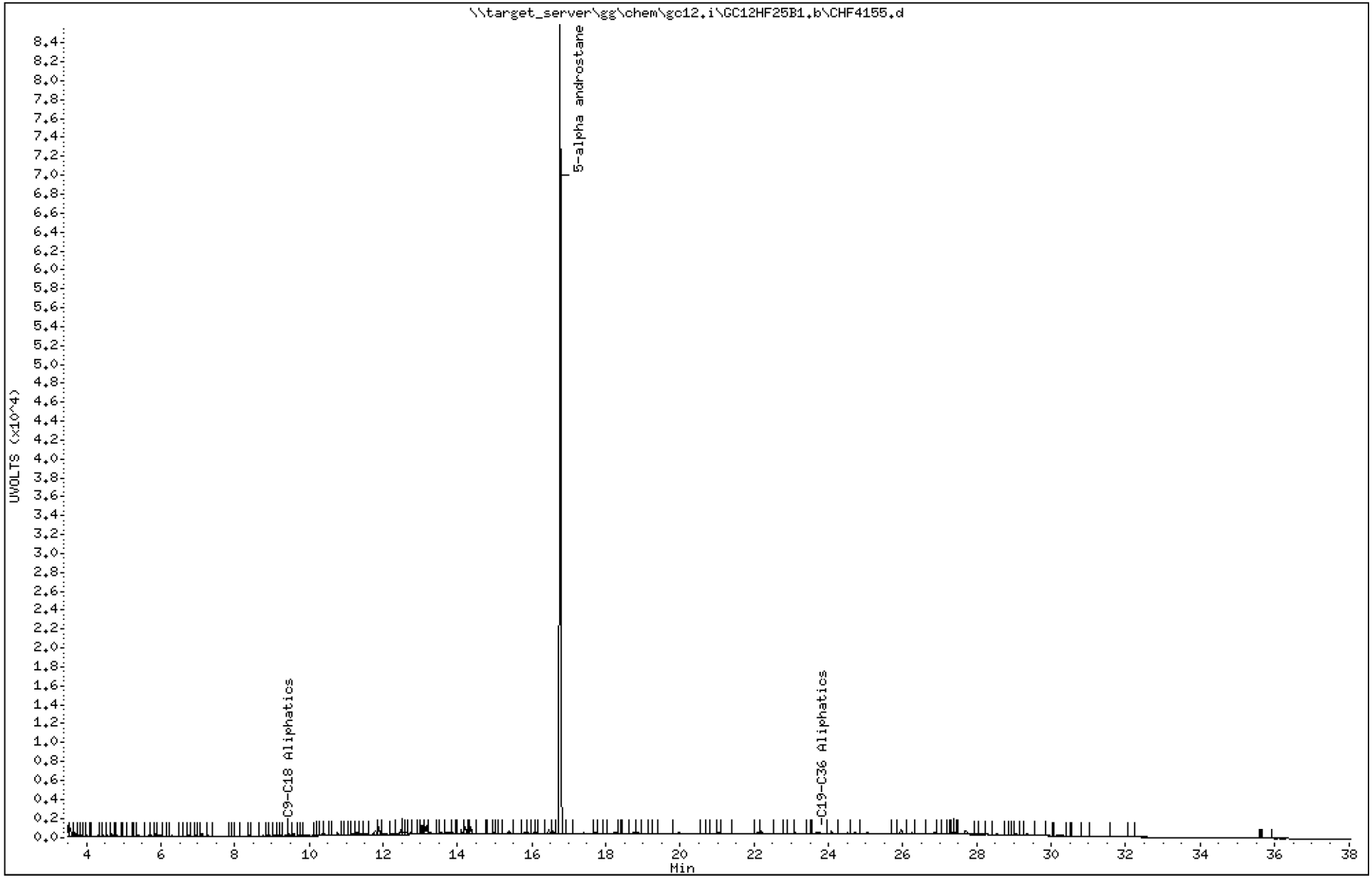
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Lab Smp Id: SH4521-14 Client Smp ID: FTA-SW-03-061914
Inj Date : 27-JUN-2014 10:20
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-14
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.758	16.782	-0.024	289553	22.4852	42.8	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4155.d
Date : 27-JUN-2014 10:20
Client ID: FTA-SW-03-061914
Instrument: gc12.i
Sample Info: SH4521-14
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000107

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-16
Client ID: FTA-SW-06-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4156.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		43.5	%					
o-Terphenyl		60.1	%					
2-Fluorobiphenyl		76.2	%					
2-Bromonaphthalene		76.3	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3156.d
Report Date: 09-Jul-2014 14:03

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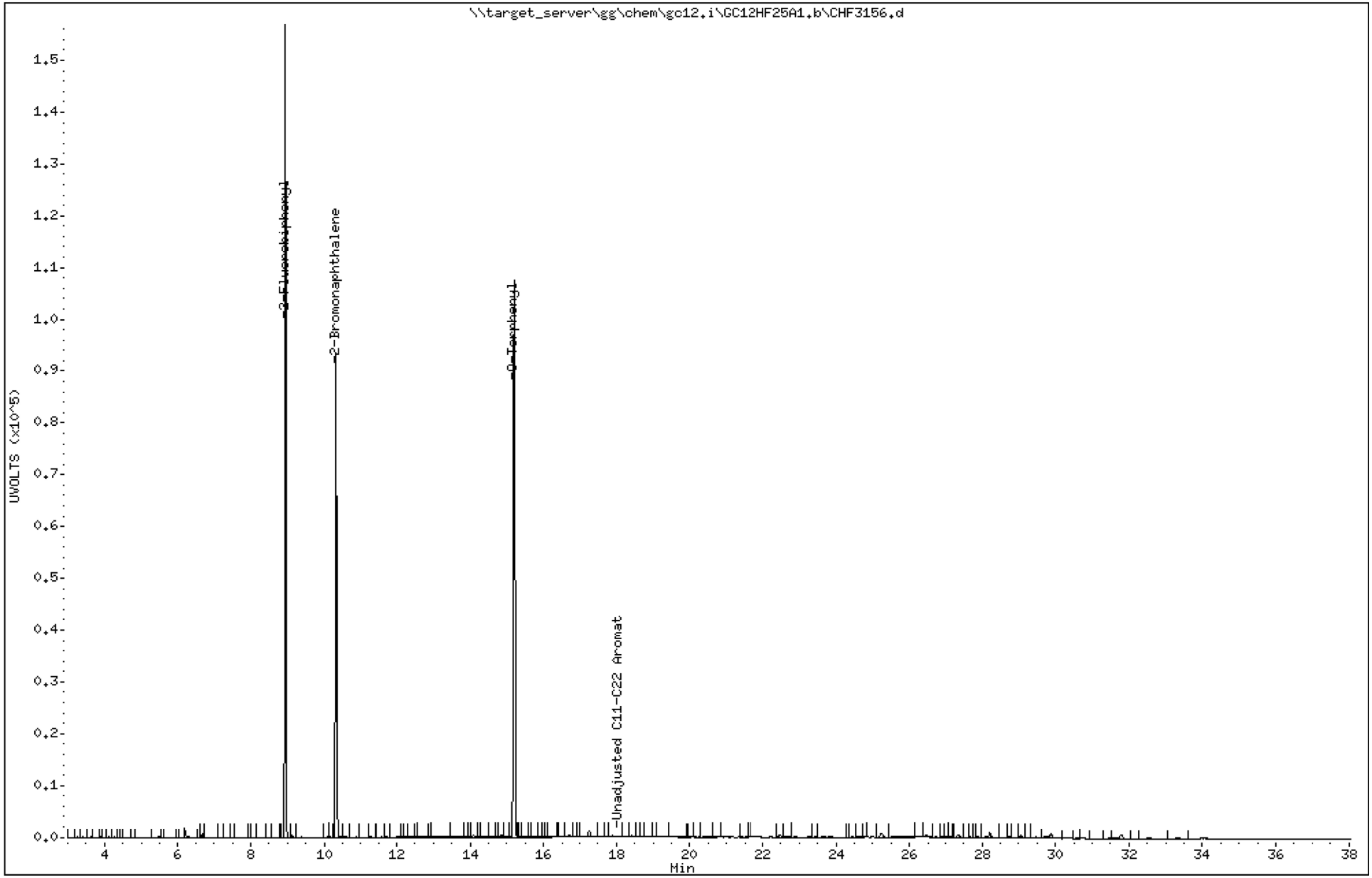
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Lab Smp Id: SH4521-16 Client Smp ID: FTA-SW-06-061914
Inj Date : 27-JUN-2014 11:05
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-16
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.946	8.982	-0.036	406487	34.3106	64.7	
$ 6 2-Bromonaphthalene	10.327	10.364	-0.037	276971	34.3635	64.8	
$ 11 O-Terphenyl	15.198	15.185	0.013	355973	27.0252	51.0	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3156.d
Date : 27-JUN-2014 11:05
Client ID: FTA-SW-06-061914
Instrument: gc12.i
Sample Info: SH4521-16
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000110

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4156.d
Report Date: 09-Jul-2014 14:04

Katahdin Analytical Services

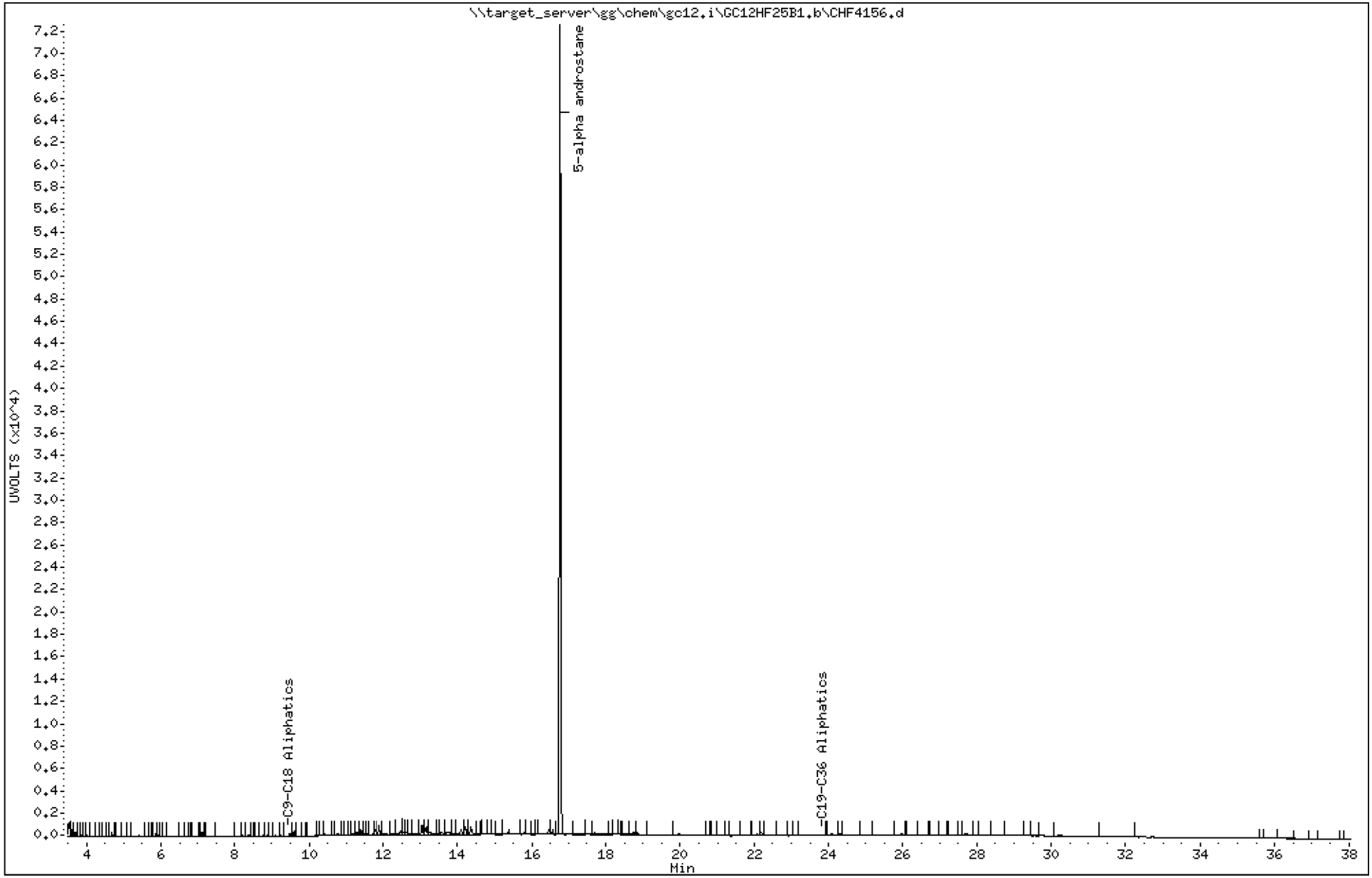
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Inj Date : 27-JUN-2014 11:05
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-16
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.756	16.782	-0.026	251580	19.5364	36.9	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4156.d
Date : 27-JUN-2014 11:05
Client ID: FTA-SW-06-061914
Instrument: gc12.i
Sample Info: SH4521-16
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000112

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-18
Client ID: FTA-SW-07-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4157.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	74	ug/L	1	100	99.	50.	74.
C9-C18 Aliphatics	U	74	ug/L	1	100	99.	50.	74.
C19-C36 Aliphatics	U	74	ug/L	1	100	99.	50.	74.
C11-C22 Aromatics	U	74	ug/L	1	100	99.	50.	74.
5-Alpha Androstane	*	37.5	%					
o-Terphenyl		57.0	%					
2-Fluorobiphenyl		73.7	%					
2-Bromonaphthalene		73.8	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3157.d
Report Date: 09-Jul-2014 14:03

Katahdin Analytical Services

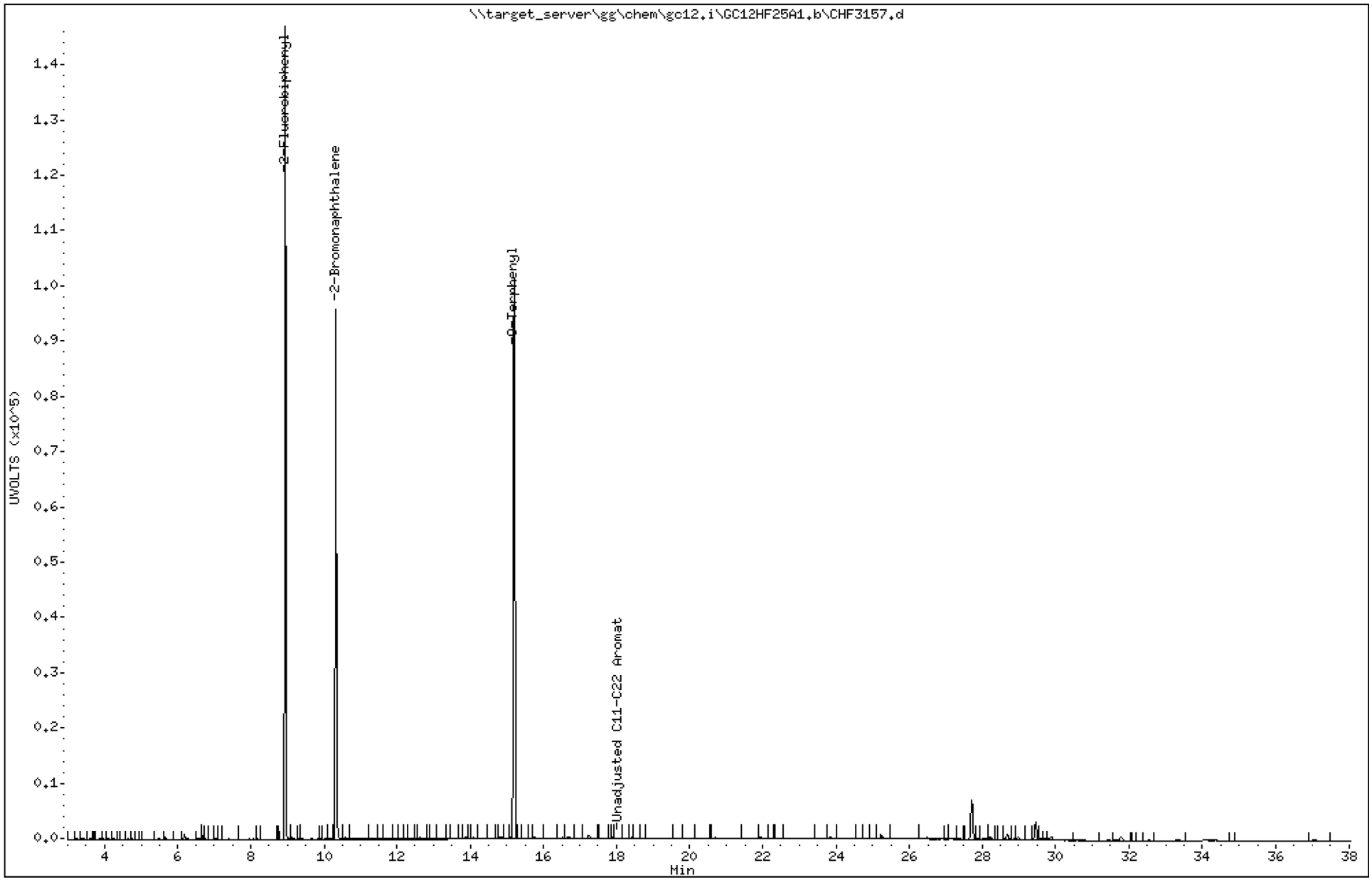
Data file : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3157.d
Lab Smp Id: SH4521-18 Client Smp ID: FTA-SW-07-061914
Inj Date : 27-JUN-2014 11:51
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-18
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.010	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.943	8.982	-0.039	393249	33.1932	65.7	
$ 6 2-Bromonaphthalene	10.322	10.364	-0.042	267834	33.2298	65.8	
$ 11 O-Terphenyl	15.196	15.185	0.011	338219	25.6773	50.8	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3157.d
Date : 27-JUN-2014 11:51
Client ID: FTA-SW-07-061914
Instrument: gc12.i
Sample Info: SH4521-18
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000115

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4157.d
Report Date: 09-Jul-2014 14:04

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4157.d
Lab Smp Id: SH4521-18 Client Smp ID: FTA-SW-07-061914
Inj Date : 27-JUN-2014 11:51
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-18
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

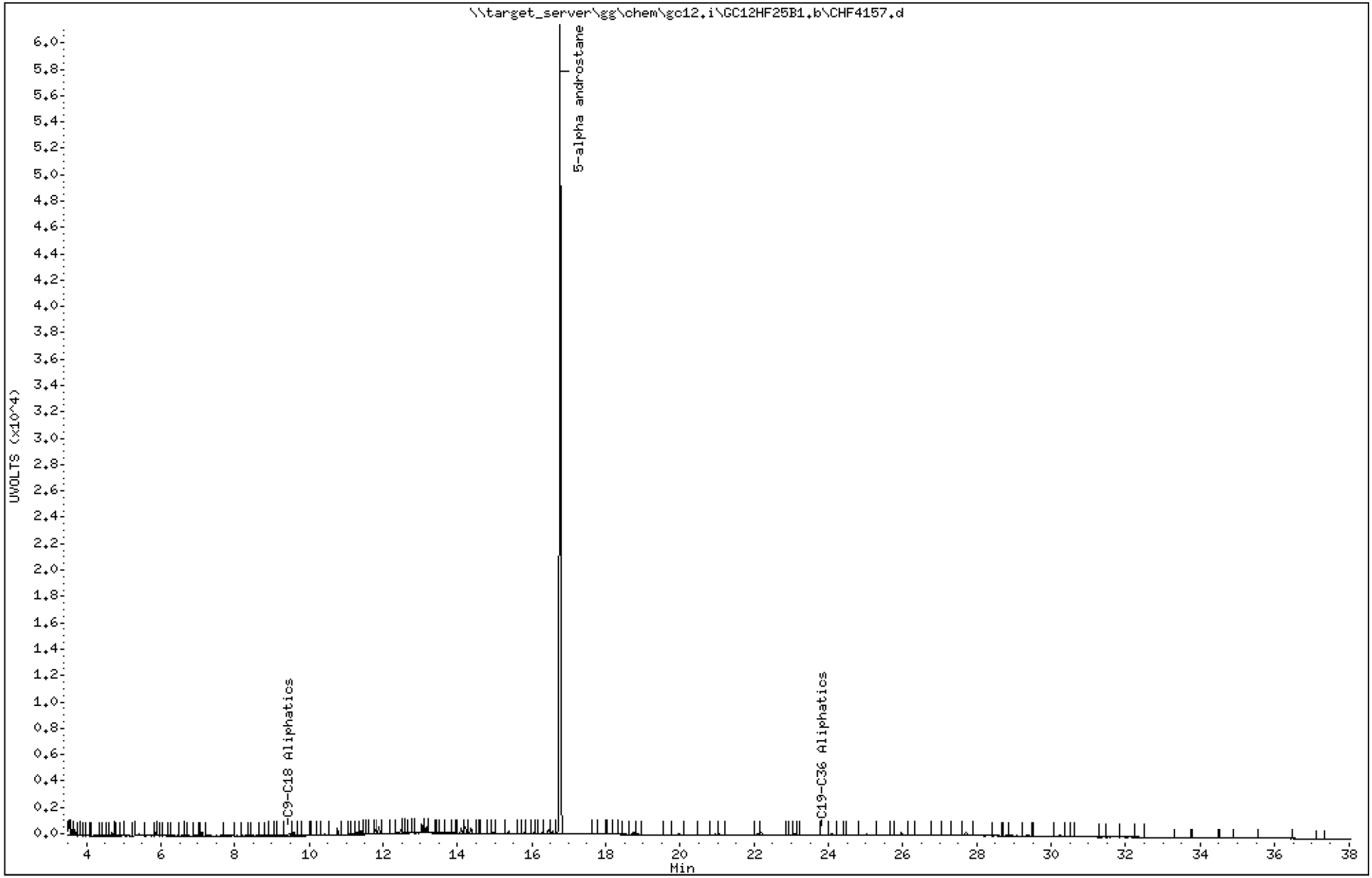
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.010	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.754	16.782	-0.028	217097	16.8586	33.4(R)	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4157.d
Date : 27-JUN-2014 11:51
Client ID: FTA-SW-07-061914
Instrument: gc12.i
Sample Info: SH4521-18
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000117

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-18RE
Client ID: FTA-SW-07-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHG2059.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 30-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145668

Analysis Date: 07-JUL-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 17-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	JB	71	ug/L	1	100	97.	48.	73.
C9-C18 Aliphatics	U	73	ug/L	1	100	97.	48.	73.
C19-C36 Aliphatics	U	73	ug/L	1	100	97.	48.	73.
C11-C22 Aromatics	JB	71	ug/L	1	100	97.	48.	73.
5-Alpha Androstane	*	34.8	%					
o-Terphenyl	*	38.8	%					
2-Fluorobiphenyl		73.6	%					
2-Bromonaphthalene		74.7	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1059.d
Report Date: 09-Jul-2014 14:10

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1059.d
Lab Smp Id: SH4521-18RE Client Smp ID: FTA-SW-07-061914
Inj Date : 07-JUL-2014 15:19
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-18RE
Misc Info : WG146138,WG145668,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HG07A1.b\AROA060A.m
Meth Date : 09-Jul-2014 09:49 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1054.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

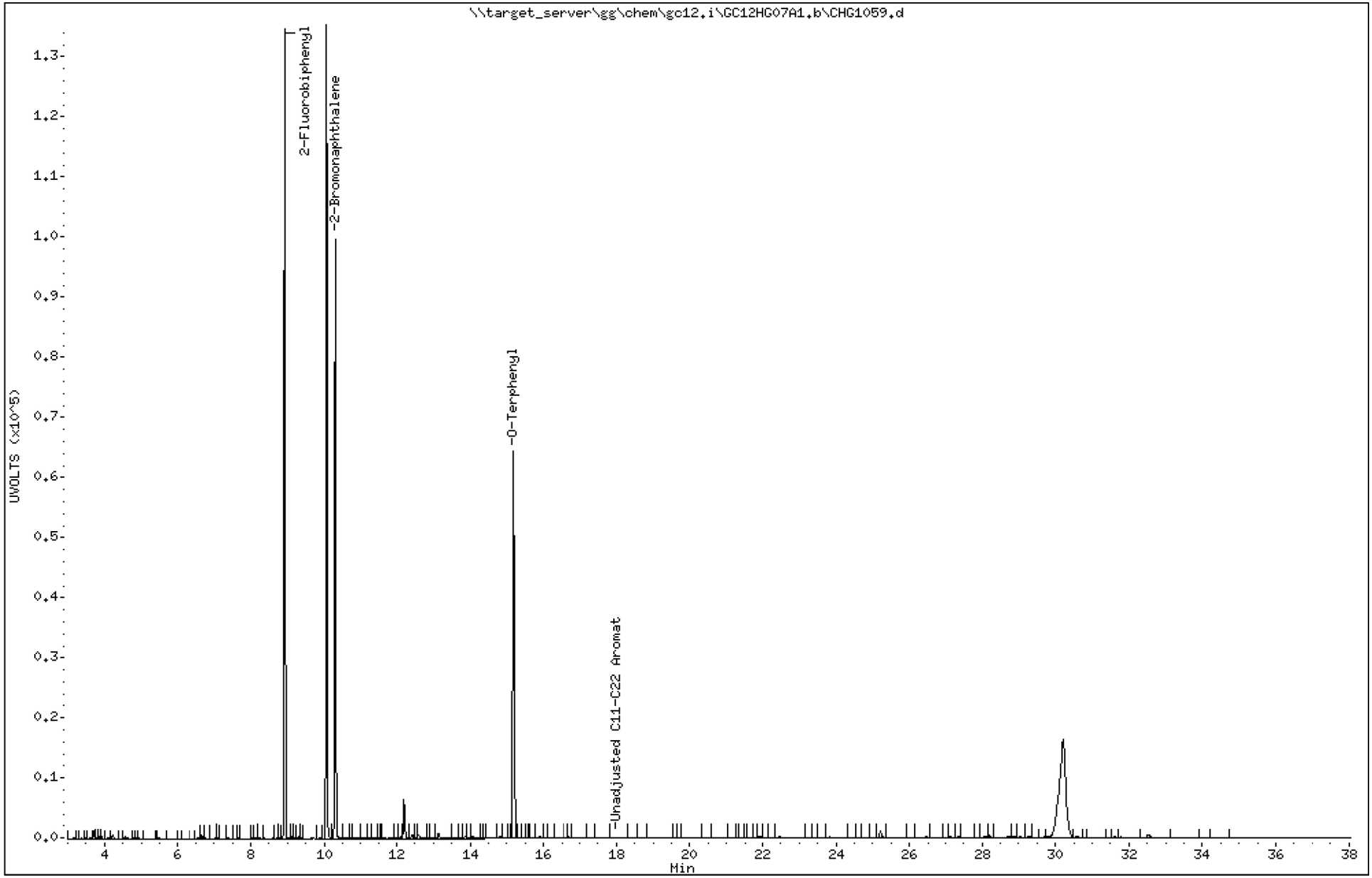
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.030	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$	4 2-Fluorobiphenyl	8.926	8.945	-0.019	392584	33.1371	64.3	
$	6 2-Bromonaphthalene	10.307	10.325	-0.018	271254	33.6542	65.3	
$	11 O-Terphenyl	15.180	15.196	-0.016	229823	17.4480	33.9(R)	
S	15 Unadjusted C11-C22 Aromatics	6.578-29.474			466055	36.5563	71.0(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1059.d
Date : 07-JUL-2014 15:19
Client ID: FTA-SW-07-061914
Instrument: gc12.i
Sample Info: SH4521-18RE
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000120

Data File: \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2059.d
Report Date: 09-Jul-2014 14:10

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2059.d
Lab Smp Id: SH4521-18RE Client Smp ID: FTA-SW-07-061914
Inj Date : 07-JUL-2014 15:19
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-18RE
Misc Info : WG146138,WG145668,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HG07B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 09:50 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2054.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

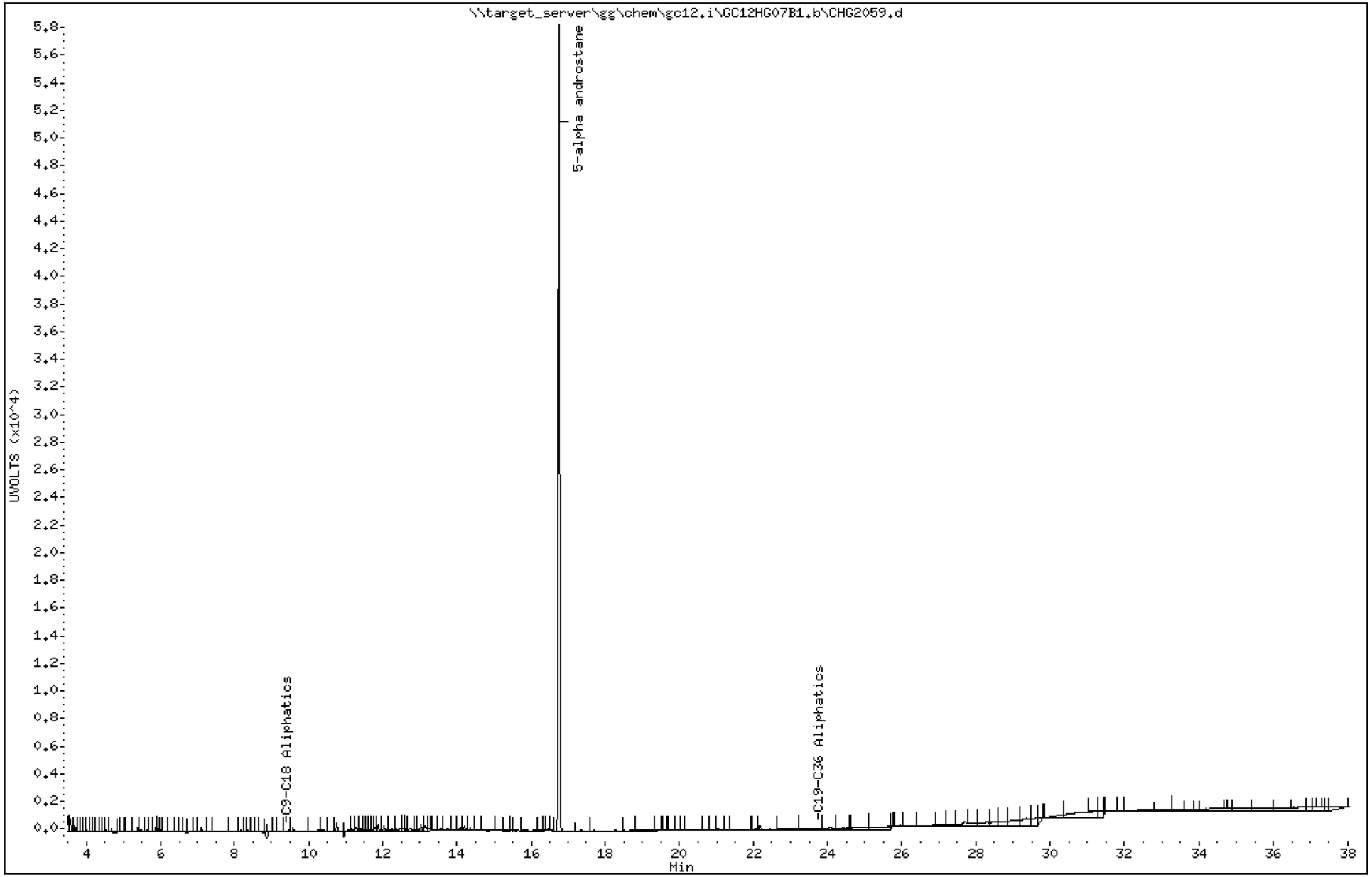
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.030	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.743	16.742	0.001	201497	15.6472	30.4(R)	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2059.d
Date : 07-JUL-2014 15:19
Client ID: FTA-SW-07-061914
Instrument: gc12.i
Sample Info: SH4521-18RE
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000122

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-20
Client ID: FTA-SW-08-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4158.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		39.6	%					
o-Terphenyl		64.0	%					
2-Fluorobiphenyl		74.8	%					
2-Bromonaphthalene		75.1	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3158.d
Report Date: 09-Jul-2014 14:03

Katahdin Analytical Services

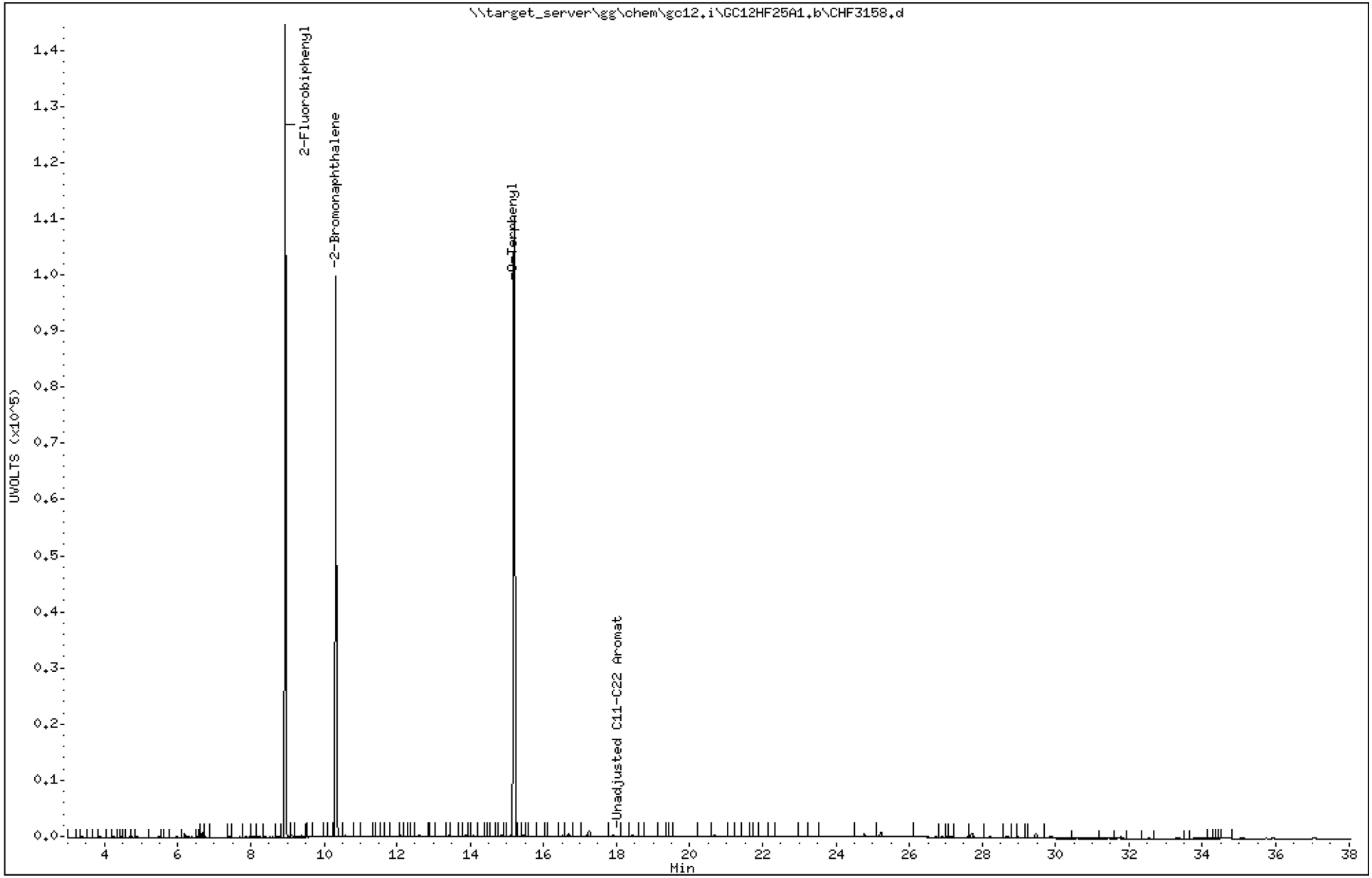
Data file : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3158.d
Lab Smp Id: SH4521-20 Client Smp ID: FTA-SW-08-061914
Inj Date : 27-JUN-2014 12:36
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-20
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.942	8.982	-0.040	398620	33.6465	63.5	
$ 6 2-Bromonaphthalene	10.321	10.364	-0.043	272594	33.8204	63.8	
$ 11 O-Terphenyl	15.196	15.185	0.011	378828	28.7603	54.3	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3158.d
Date : 27-JUN-2014 12:36
Client ID: FTA-SW-08-061914
Instrument: gc12.i
Sample Info: SH4521-20
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000125

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4158.d
Report Date: 09-Jul-2014 14:04

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4158.d
Lab Smp Id: SH4521-20 Client Smp ID: FTA-SW-08-061914
Inj Date : 27-JUN-2014 12:36
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-20
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

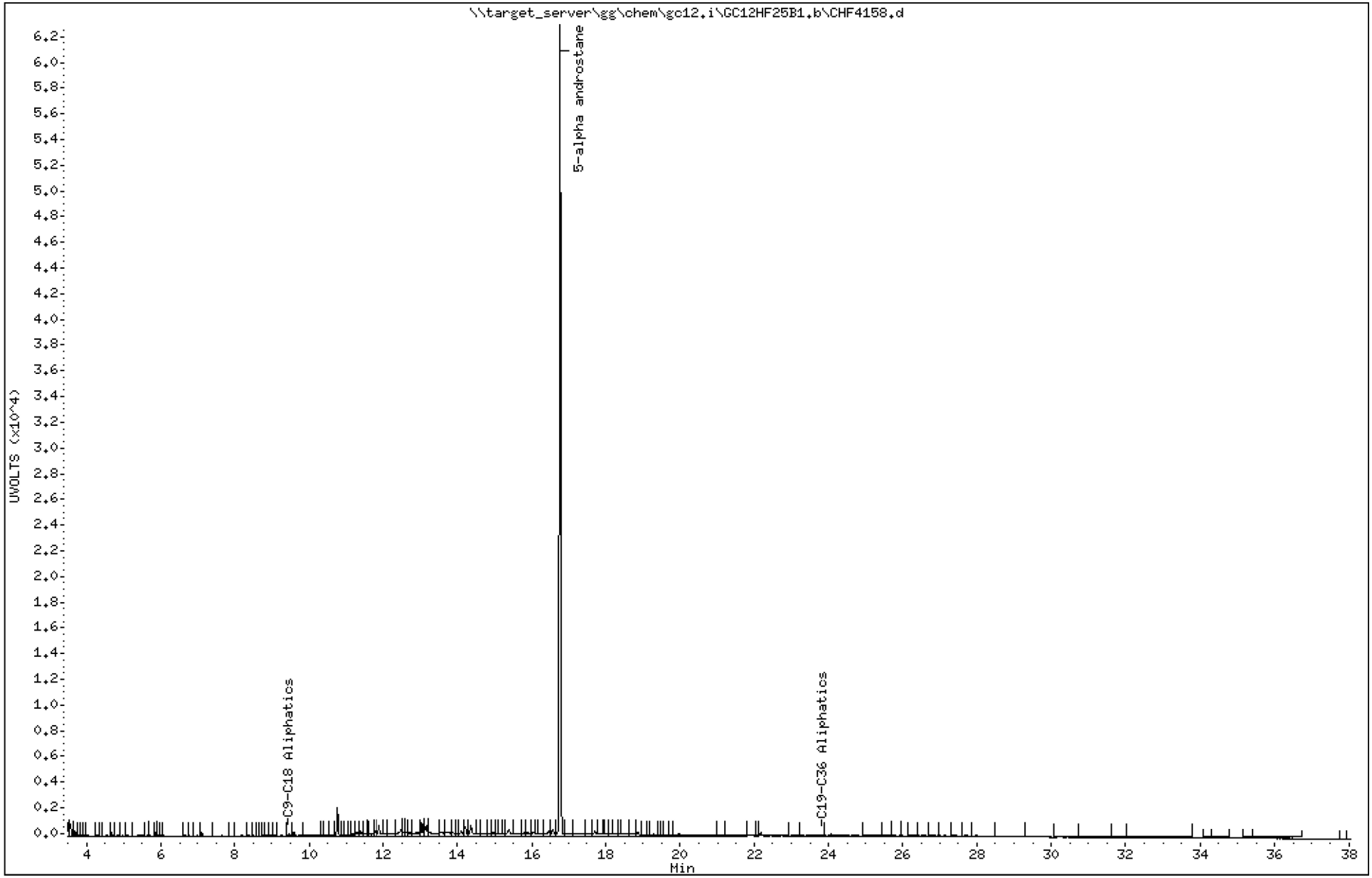
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.754	16.782	-0.028	229290	17.8055	33.6(R)	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4158.d
Date : 27-JUN-2014 12:36
Client ID: FTA-SW-08-061914
Instrument: gc12.i
Sample Info: SH4521-20
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000127

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-22
Client ID: FTA-SW-DUP01-061914
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4159.D

Sample Date: 19-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		41.7	%					
o-Terphenyl		67.5	%					
2-Fluorobiphenyl		74.0	%					
2-Bromonaphthalene		74.6	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3159.d
Report Date: 09-Jul-2014 14:03

Katahdin Analytical Services

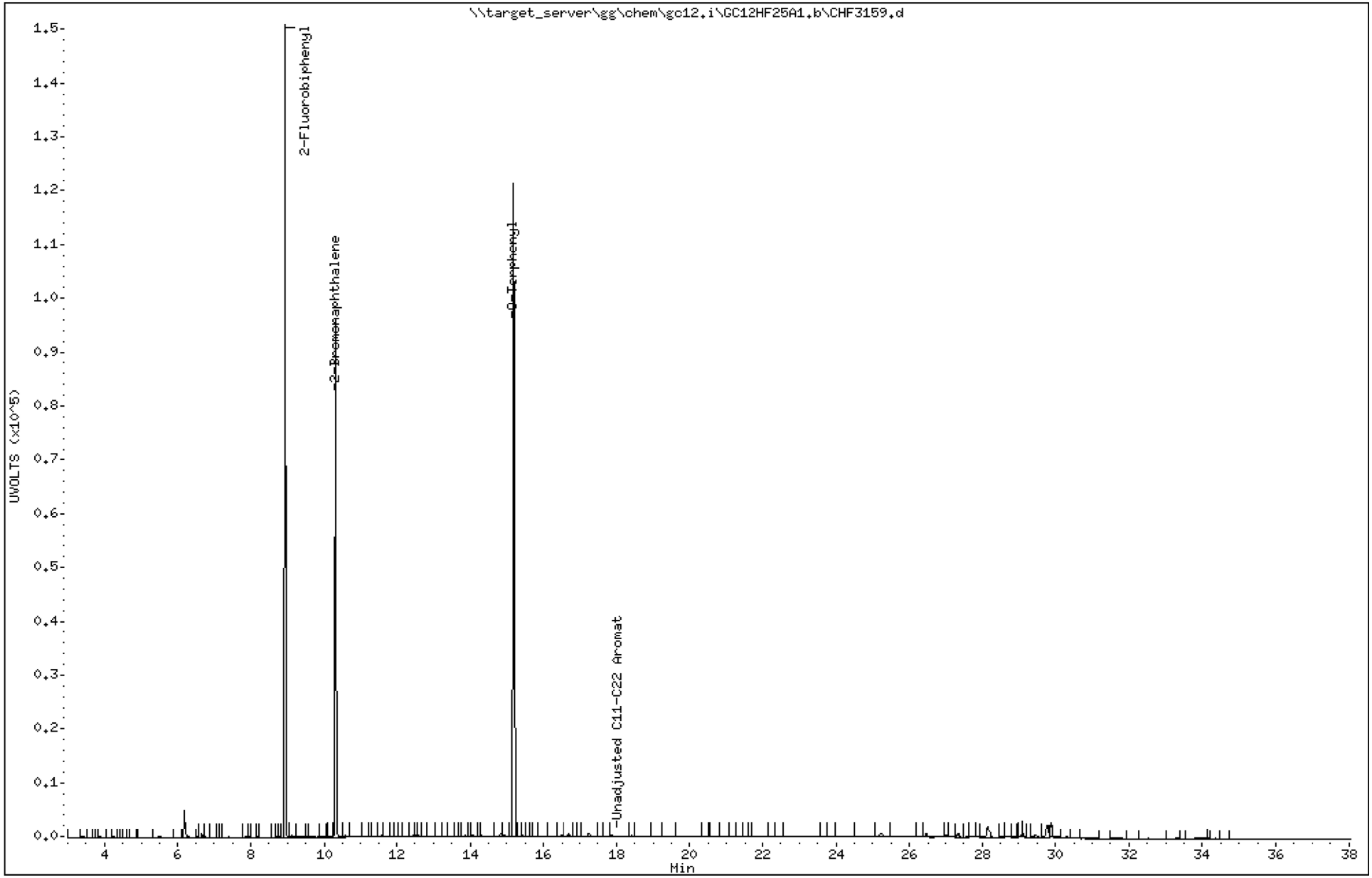
Data file : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3159.d
Lab Smp Id: SH4521-22 Client Smp ID: FTA-SW-DUP01-061914
Inj Date : 27-JUN-2014 13:21
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-22
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.934	8.982	-0.048	394483	33.2974	62.8	
$ 6 2-Bromonaphthalene	10.316	10.364	-0.048	270468	33.5566	63.3	
$ 11 O-Terphenyl	15.185	15.185	0.000	399883	30.3588	57.3	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3159.d
Date : 27-JUN-2014 13:21
Client ID: FTA-SW-DUP01-061914
Instrument: gc12.i
Sample Info: SH4521-22
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000130

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4159.d
Report Date: 09-Jul-2014 14:04

Katahdin Analytical Services

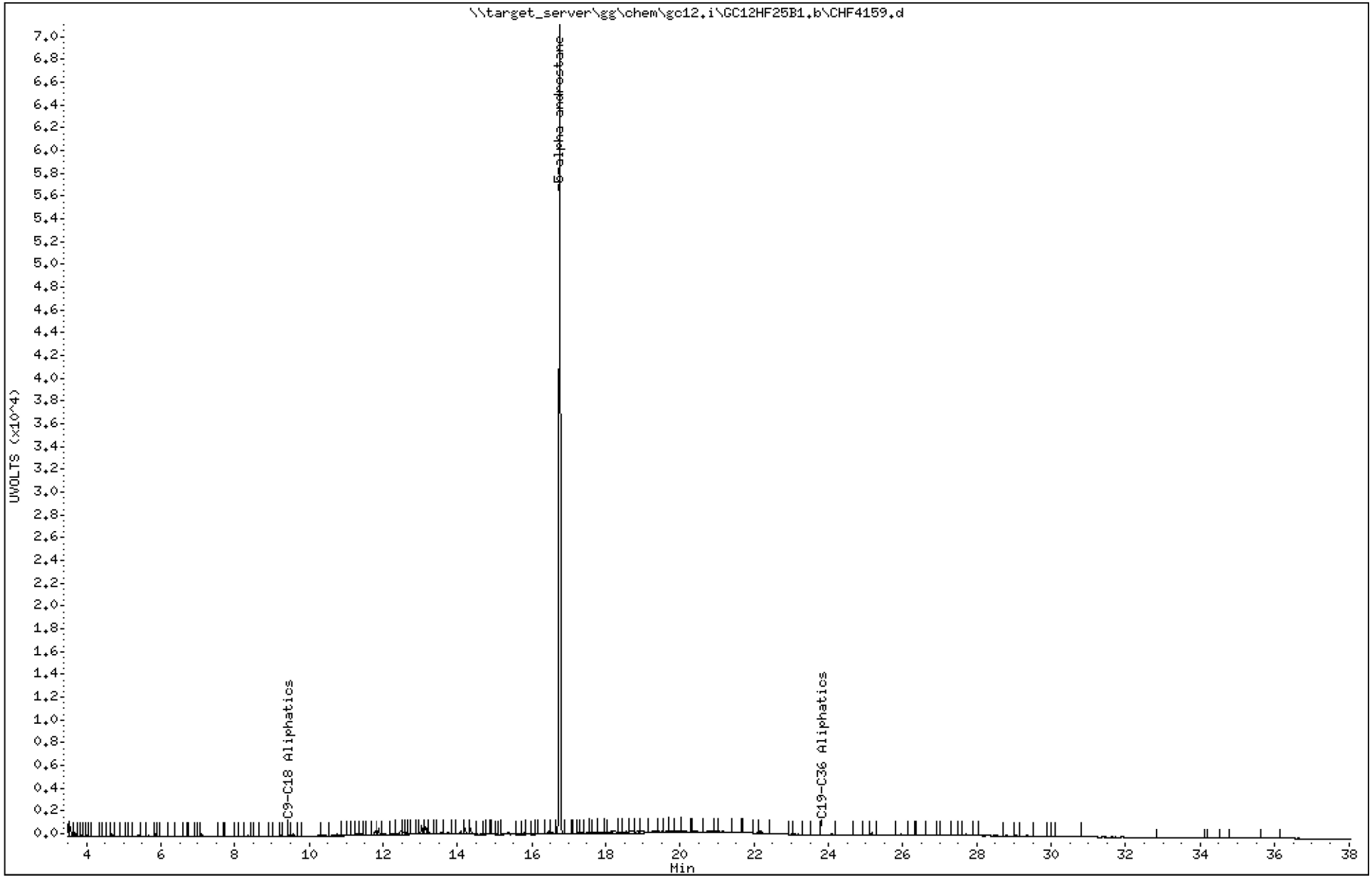
Data file : \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4159.d
Lab Smp Id: SH4521-22 Client Smp ID: FTA-SW-DUP01-061914
Inj Date : 27-JUN-2014 13:21
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-22
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.745	16.782	-0.037	241524	18.7555	35.4	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4159.d
Date : 27-JUN-2014 13:21
Client ID: FTA-SW-DUP01-061914
Instrument: gc12.i
Sample Info: SH4521-22
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000132

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SH4521-24
Client ID: FTA-SD-RB01-062014
Project: NCTAMSLANT Cutler CTO
SDG: WE53-7
Lab File ID: CHF4160.D

Sample Date: 20-JUN-14
Received Date: 20-JUN-14
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 27-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
C9-C18 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C19-C36 Aliphatics	U	71	ug/L	1	100	94.	47.	71.
C11-C22 Aromatics	U	71	ug/L	1	100	94.	47.	71.
5-Alpha Androstane		57.7	%					
o-Terphenyl		70.4	%					
2-Fluorobiphenyl		73.1	%					
2-Bromonaphthalene		73.1	%					

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://www.katahdinlab.com

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3160.d
Report Date: 09-Jul-2014 14:04

Katahdin Analytical Services

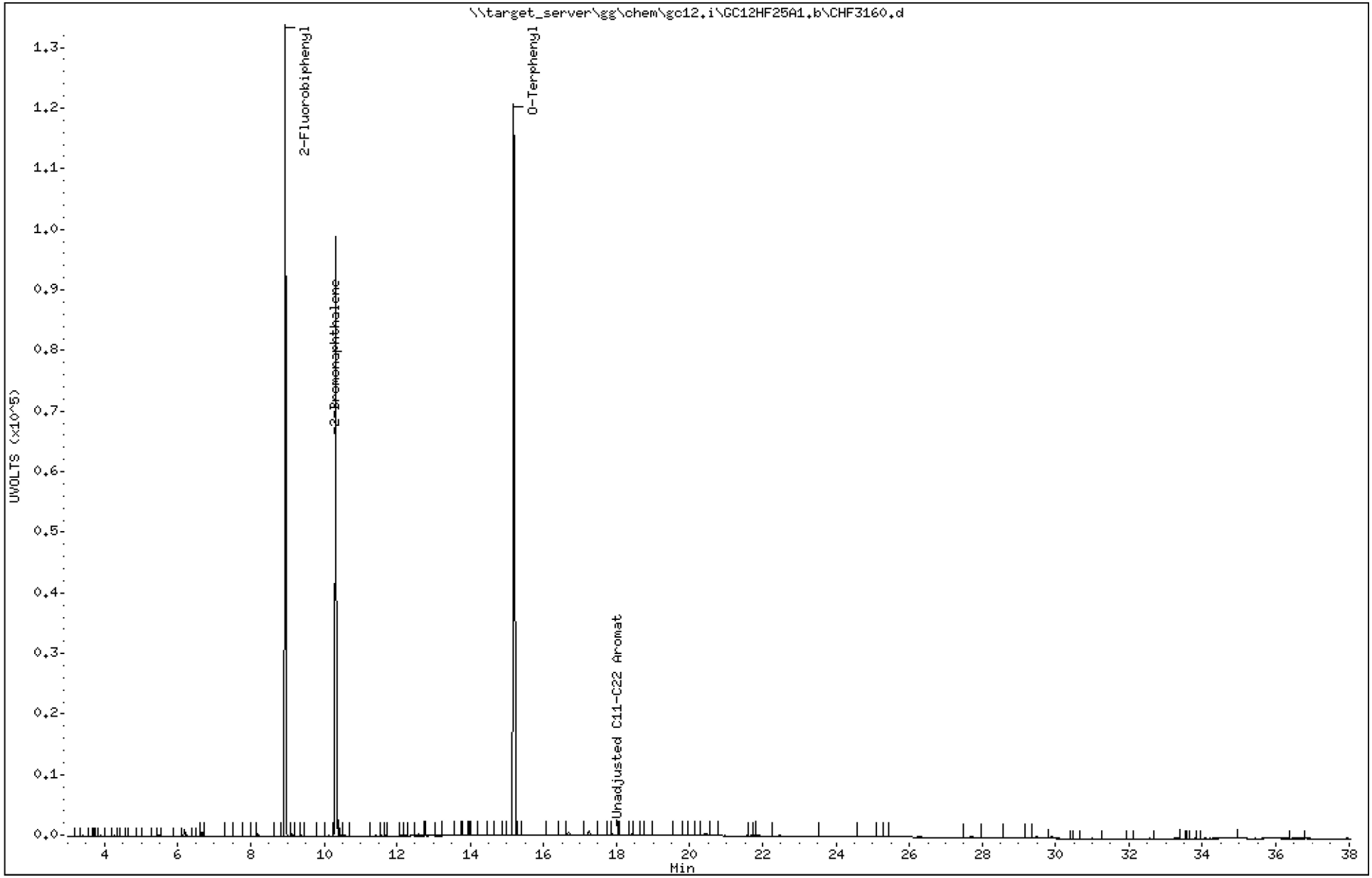
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Lab Smp Id: SH4521-24 Client Smp ID: FTA-SD-RB01-062014
Inj Date : 27-JUN-2014 14:06
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-24
Misc Info : WG145456,WG145314,WG142382-3
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF25A1.b\AROA060A.m
Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.939	8.982	-0.043	389962	32.9157	62.1	
$ 6 2-Bromonaphthalene	10.319	10.364	-0.045	265462	32.9356	62.1	
$ 11 O-Terphenyl	15.190	15.185	0.005	417295	31.6807	59.8	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3160.d
Date : 27-JUN-2014 14:06
Client ID: FTA-SD-RB01-062014
Instrument: gc12.i
Sample Info: SH4521-24
Purge Volume: 1.1
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000135

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4160.d
Report Date: 09-Jul-2014 14:04

Katahdin Analytical Services

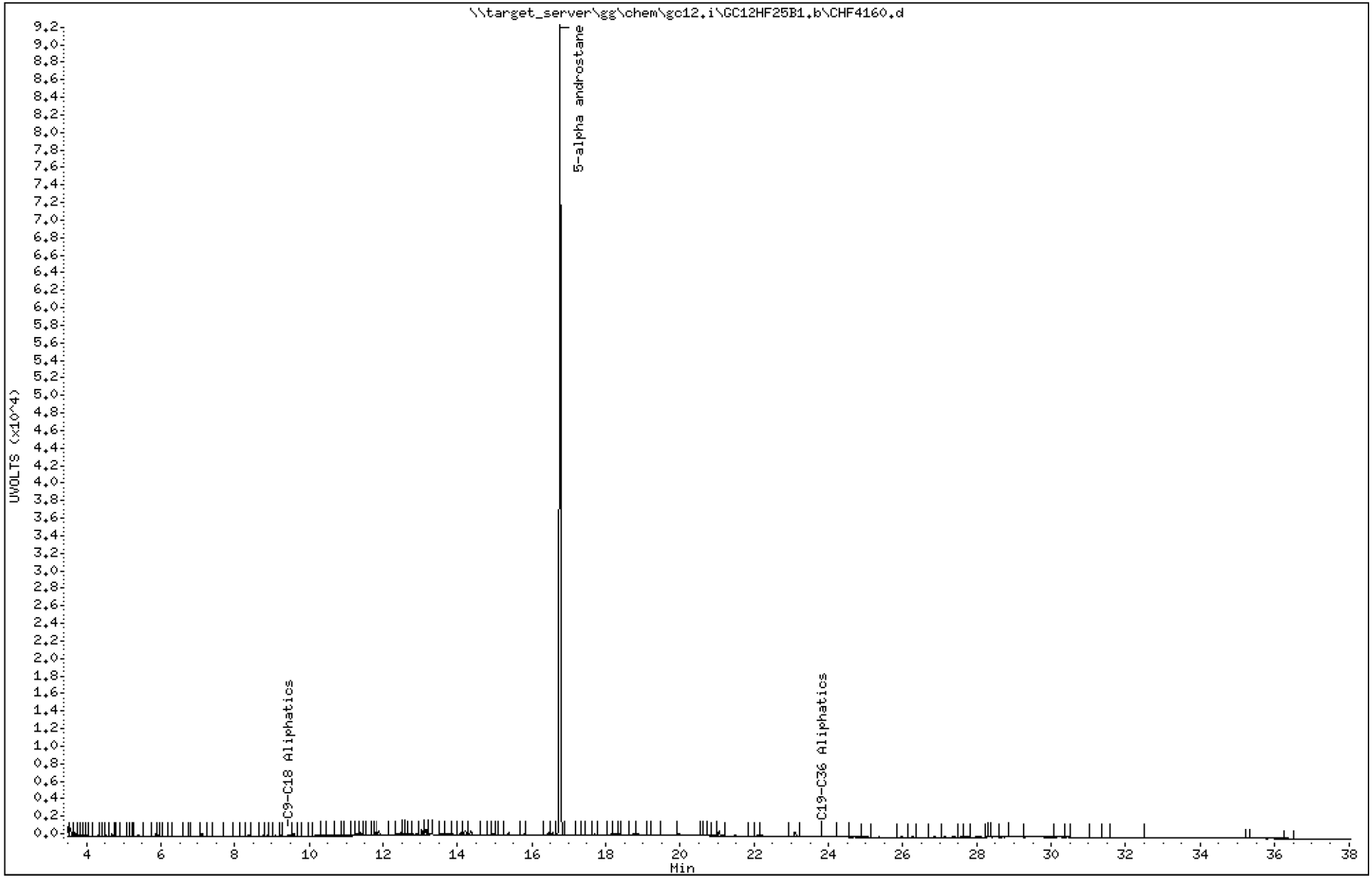
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Lab Smp Id: SH4521-24 Client Smp ID: FTA-SD-RB01-062014
Inj Date : 27-JUN-2014 14:06
Operator : AC Inst ID: gc12.i
Smp Info : SH4521-24
Misc Info : WG145456,WG145314,WG142382-9
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.753	16.782	-0.029	334229	25.9545	49.0	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4160.d
Date : 27-JUN-2014 14:06
Client ID: FTA-SD-RB01-062014
Instrument: gc12.i
Sample Info: SH4521-24
Purge Volume: 1.1
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000137

Standards Data Section

Form 6
Initial Calibration Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File IDs : CHE1016.d CHE1015.d CHE1012.d CHE1014.d CHE1013.d

SDG: WE53-7
Instrument ID: GC12
Column ID: A
Calibration Date(s): 06-MAY-14 19:22
06-MAY-14 22:23

	1.0000 Level 1	10.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5		New Crv	b	m1	m2	%RSD	Max %RSD	
Unadjusted C11-C22 Aromatic	12949	11930	13036	11675	14154		AVG		12749		7.76288	25.00000	M (
Naphthalene	13363	12297	13073	11913	13927		AVG		12915		6.28371	25.00000	O
2-Methylnaphthalene	13117	12180	12939	11786	13944		AVG		12793		6.58918	25.00000	O
Acenaphthylene	13079	12025	12723	11674	13973		AVG		12695		7.12519	25.00000	O
Acenaphthene	13488	12303	13092	11915	14203		AVG		13000		7.04555	25.00000	O
Fluorene	13819	12219	12951	11767	14131		AVG		12977		7.78304	25.00000	O
Phenanthrene	12835	12262	13056	11839	14235		AVG		12845		7.10300	25.00000	O
Anthracene	11924	10622	11297	10684	12890		AVG		11484		8.24773	25.00000	O
Fluoranthene	13152	12029	12847	11625	14066		AVG		12744		7.53319	25.00000	O
Pyrene	13340	12325	13165	11917	14435		AVG		13036		7.49864	25.00000	O
Benzo(a)Anthracene	13084	11723	12687	11434	13980		AVG		12582		8.21492	25.00000	O
Chrysene	13136	11901	12841	11515	14006		AVG		12680		7.84313	25.00000	O
Benzo(b)Fluoranthene	13943	13321	13631	12444	16048		AVG		13877		9.62930	25.00000	O
Benzo(k)Fluoranthene	12477	10992	14539	11384	13239		AVG		12526		11.44195	25.00000	O
Benzo(a)Pyrene	12744	11738	12787	11532	14196		AVG		12599		8.40505	25.00000	O
Indeno(1,2,3-cd)Pyrene	12921	12310	13266	12931	16578		AVG		13601		12.49626	25.00000	O
Dibenzo(a,h)Anthracene	11751	11024	13835	10527	12443		AVG		11916		10.87323	25.00000	O
Benzo(g,h,i)Perylene	11961	11545	12884	11595	14316		AVG		12460		9.37686	25.00000	O
2-Fluorobiphenyl	12555	11221	11805	10745	12911		AVG		11847		7.59742	25.00000	
2-Bromonaphthalene	8493	7583	8055	7341	8829		AVG		8060		7.65641	25.00000	
O-Terphenyl	13943	12414	13162	11960	14381		AVG		13172		7.68398	25.00000	

Legend: O = Kept Original Curve
Y = Failed Minimum RF
W = Failed %RSD Value

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1017.d
Report Date: 21-May-2014 10:11

Katahdin Analytical Services

RECOVERY REPORT

Client Name: Client SDG: SDGa02536
Sample Matrix: LIQUID Fraction: DRO
Lab Smp Id: WG142382-6
Level: LOW Operator: AC
Data Type: GC DATA SampleType: LCS
SpikeList File: ind.spk Quant Type: ESTD
Sublist File: ind.sub
Method File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\AROA060A.m
Misc Info: WG142382,WG142382,WG142382-3,SH2950-1

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
2 Naphthalene	50.0	48.4	96.87	75-125
3 2-Methylnaphthalen	50.0	47.6	95.16	75-125
5 Acenaphthylene	50.0	48.7	97.49	75-125
7 Acenaphthene	50.0	48.3	96.65	75-125
8 Fluorene	50.0	48.6	97.12	75-125
9 Phenanthrene	50.0	48.4	96.84	75-125
10 Anthracene	50.0	54.2	108.38	75-125
12 Fluoranthene	50.0	49.4	98.88	75-125
13 Pyrene	50.0	48.4	96.90	75-125
16 Benzo(a)Anthracene	50.0	50.0	99.95	75-125
17 Chrysene	50.0	47.8	95.57	75-125
18 Benzo(b)Fluoranthe	50.0	46.8	93.61	75-125
19 Benzo(k)Fluoranthe	50.0	49.7	99.35	75-125
20 Benzo(a)Pyrene	50.0	50.2	100.37	75-125
21 Indeno(1,2,3-cd)Py	50.0	48.3	96.59	75-125
22 Dibenzo(a,h)Anthra	50.0	49.6	99.24	75-125
23 Benzo(g,h,i)Peryle	50.0	50.8	101.63	75-125

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1012.d
Report Date: 21-May-2014 10:07

Katahdin Analytical Services

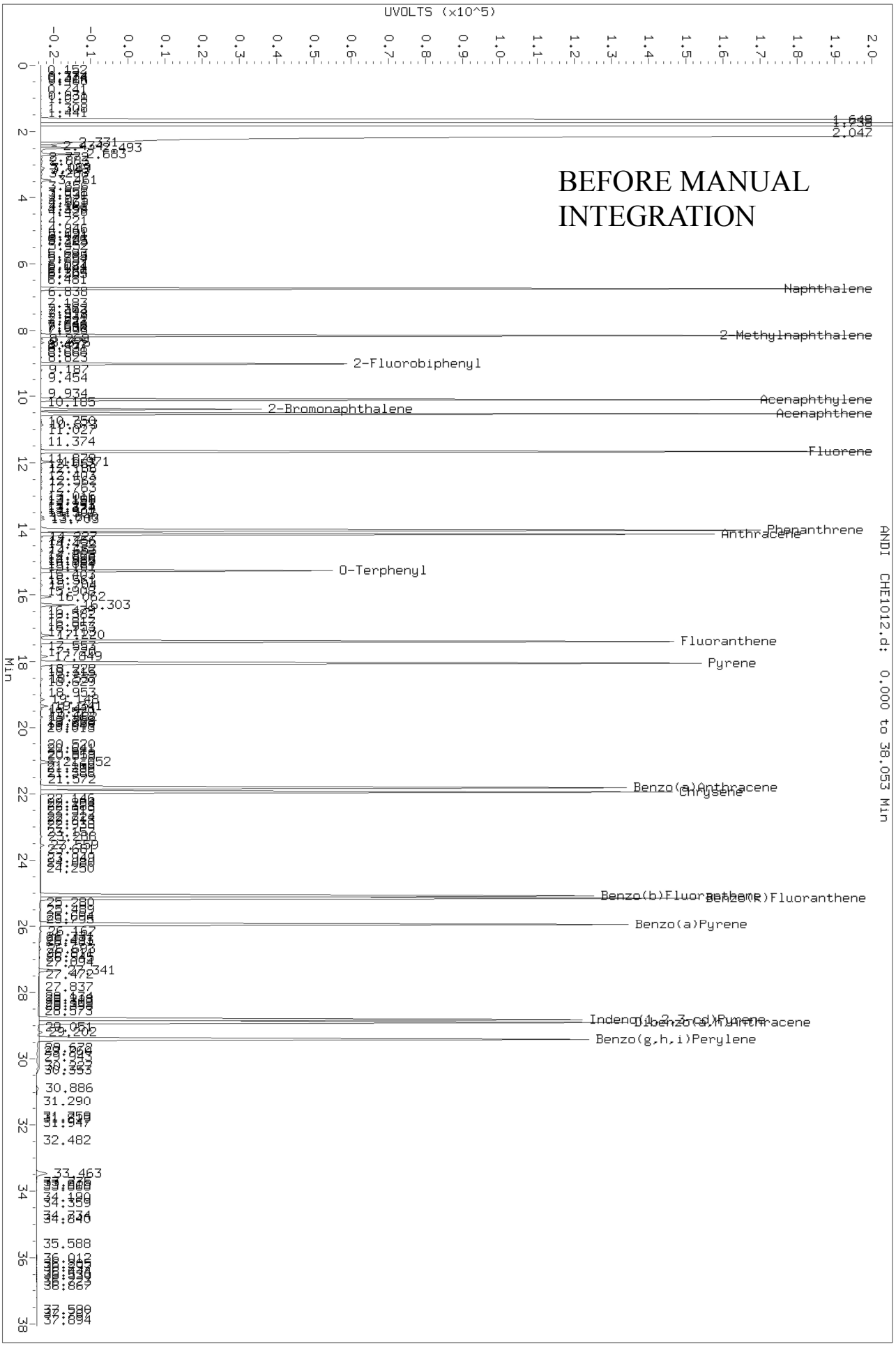
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Inj Date : 06-MAY-2014 19:22
Operator : AC Inst ID: gc12.i
Smp Info : WG142382-3
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HE06A1.b\AROA060A.m
Meth Date : 07-May-2014 19:33 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ICAL.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

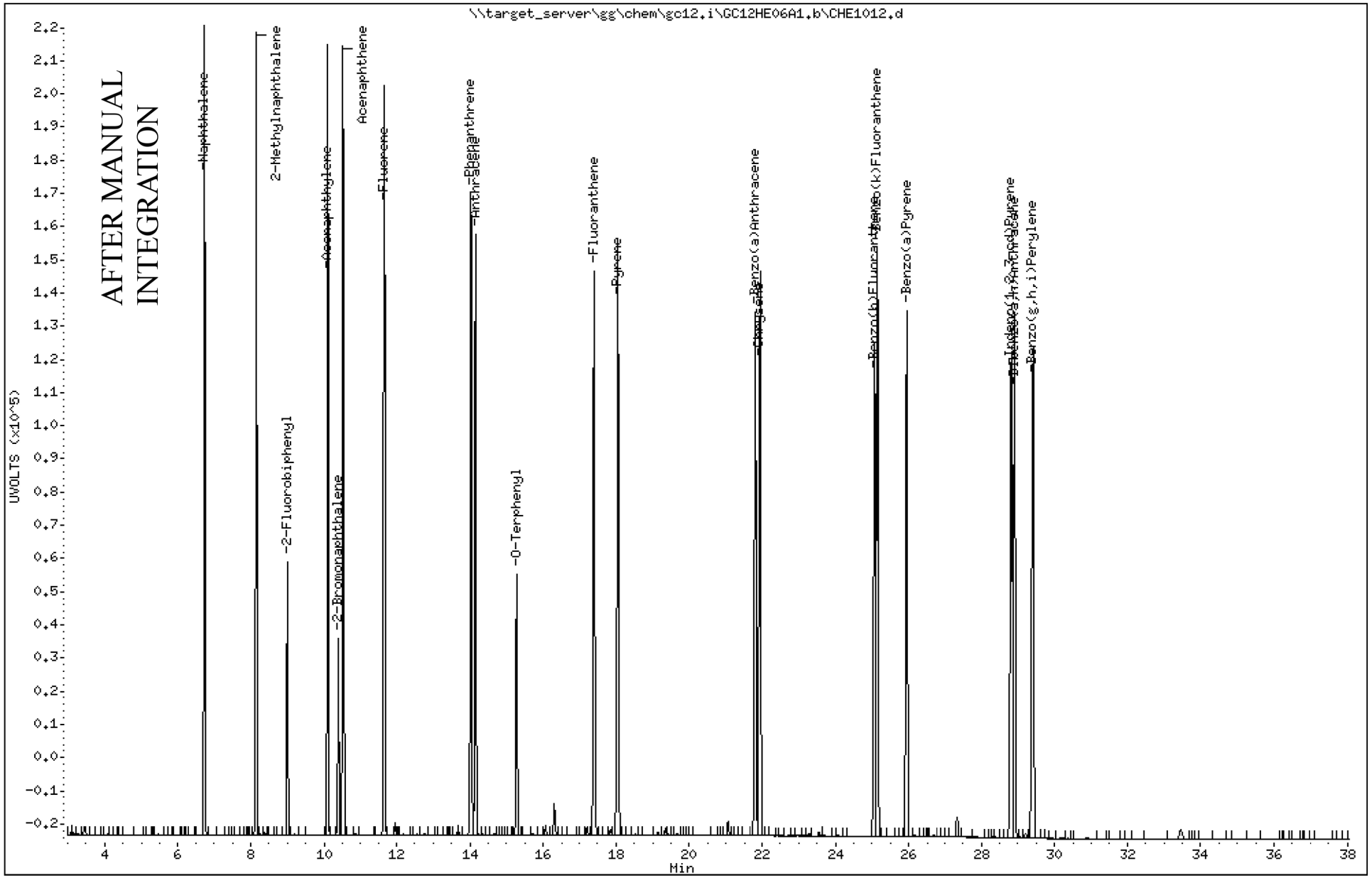
							AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	2	Naphthalene	6.743	6.750	-0.007	653674	50.0000	50.6	
	3	2-Methylnaphthalene	8.149	8.159	-0.010	646933	50.0000	50.6	
$	4	2-Fluorobiphenyl	9.006	9.010	-0.004	236097	20.0000	19.9	
	5	Acenaphthylene	10.105	10.118	-0.013	636136	50.0000	50.1	
$	6	2-Bromonaphthalene	10.388	10.394	-0.006	161103	20.0000	20.0	
	7	Acenaphthene	10.522	10.537	-0.015	654597	50.0000	50.4	
	8	Fluorene	11.663	11.678	-0.015	647552	50.0000	49.9	
	9	Phenanthrene	14.031	14.052	-0.021	652796	50.0000	50.8	
	10	Anthracene	14.146	14.123	0.023	564865	50.0000	49.2	
$	11	O-Terphenyl	15.269	15.276	-0.007	263247	20.0000	20.0	
	12	Fluoranthene	17.406	17.436	-0.030	642356	50.0000	50.4	
	13	Pyrene	18.049	18.082	-0.033	658234	50.0000	50.5	
	16	Benzo(a)Anthracene	21.813	21.855	-0.042	634364	50.0000	50.4(M)	
	17	Chrysene	21.946	21.994	-0.048	642059	50.0000	50.6(M)	
	18	Benzo(b)Fluoranthene	25.080	25.052	0.028	681533	50.0000	49.1(M)	M5
	19	Benzo(k)Fluoranthene	25.146	25.122	0.024	726929	50.0000	58.0(M)	
	20	Benzo(a)Pyrene	25.946	26.009	-0.063	639347	50.0000	50.7(M)	
	21	Indeno(1,2,3-cd)Pyrene	28.826	28.798	0.028	663316	50.0000	48.8(M)	
	22	Dibenzo(a,h)Anthracene	28.906	28.883	0.023	691765	50.0000	58.0(M)	
	23	Benzo(g,h,i)Perylene	29.413	29.491	-0.078	644201	50.0000	51.7(M)	
M	1	Unadjusted C11-C22 Aromatic				11080657	850.000	870	

JUP
12:43 pm, May 21, 2014


UVOLTS (x10^5)
Min
BEFORE MANUAL INTEGRATION
Naphthalene
2-Methylnaphthalene
2-Fluorobiphenyl
Acenaphthylene
2-Bromonaphthalene
Acenaphthene
Fluorene
Phenanthrene
Anthracene
O-Terphenyl
Fluoranthene
Pyrene
Benzo(a)Anthracene
Chrysene
Benzo(b)Fluoranthene
Benzo(k)Fluoranthene
Benzo(a)Pyrene
Indeno(1,2,3-cd)Pyrene
Dibenz(a,h)Anthracene
Benzo(g,h,i)Perylene
Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1012.d
Injection Date: 06-MAY-2014 19:22
Instrument: gc12.i
Client Sample ID:
ANDI CHE1012.d: 0.000 to 38.053 Min

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1012.d
Date : 06-MAY-2014 19:22
Client ID:
Sample Info: WG142382-3
Purge Volume: 1.0
Column phase: RTX-5

Instrument: gc12.i
Operator: AC
Column diameter: 0.53



Katahdin Analytical Services 9000143

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1013.d
Report Date: 21-May-2014 10:07

Katahdin Analytical Services

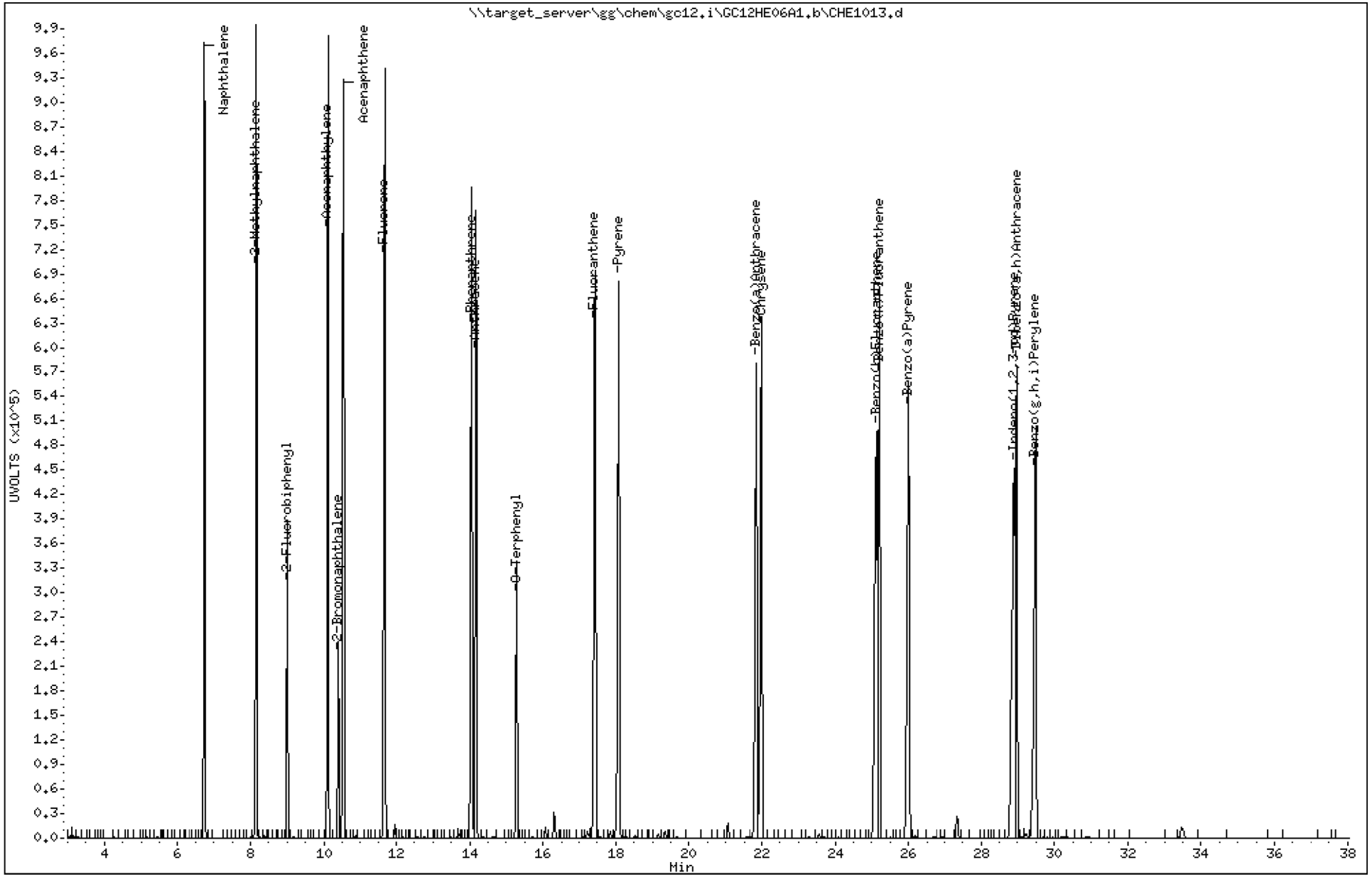
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Inj Date : 06-MAY-2014 20:07
Operator : AC Inst ID: gc12.i
Smp Info : WG142382-5
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HE06A1.b\AROA060A.m
Meth Date : 07-May-2014 19:33 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 20:07 Cal File: CHE1013.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ICAL.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

						AMOUNTS		
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	REVIEW CODE
	2 Naphthalene	6.749	6.750	-0.001	2785312	200.000	200	
	3 2-Methylnaphthalene	8.159	8.159	0.000	2788868	200.000	200	
$	4 2-Fluorobiphenyl	9.010	9.010	0.000	1032851	80.0000	80.0	
	5 Acenaphthylene	10.118	10.118	0.000	2794530	200.000	200	
$	6 2-Bromonaphthalene	10.394	10.394	0.000	706313	80.0000	80.0	
	7 Acenaphthene	10.537	10.537	0.000	2840562	200.000	200	
	8 Fluorene	11.678	11.678	0.000	2826198	200.000	200	
	9 Phenanthrene	14.052	14.052	0.000	2847018	200.000	200	
	10 Anthracene	14.172	14.123	0.049	2578031	200.000	200	
$	11 O-Terphenyl	15.276	15.276	0.000	1150449	80.0000	80.0	
	12 Fluoranthene	17.436	17.436	0.000	2813109	200.000	200	
	13 Pyrene	18.082	18.082	0.000	2886969	200.000	200	
	16 Benzo(a)Anthracene	21.855	21.855	0.000	2795940	200.000	200	
	17 Chrysene	21.994	21.994	0.000	2801275	200.000	200	
	18 Benzo(b)Fluoranthene	25.125	25.052	0.073	3209621	200.000	200	
	19 Benzo(k)Fluoranthene	25.213	25.122	0.091	2647733	200.000	200	
	20 Benzo(a)Pyrene	26.008	26.009	-0.001	2839206	200.000	200	
	21 Indeno(1,2,3-cd)Pyrene	28.896	28.798	0.098	3315689	200.000	200	
	22 Dibenzo(a,h)Anthracene	28.976	28.883	0.093	2488649	200.000	200	
	23 Benzo(g,h,i)Perylene	29.491	29.491	0.000	2863240	200.000	200	
M	1 Unadjusted C11-C22 Aromatic				48121950	3400.00	3400	

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1013.d
Date : 06-MAY-2014 20:07
Client ID:
Instrument: gc12.i
Sample Info: WG142382-5
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000145

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1014.d
Report Date: 21-May-2014 10:07

Katahdin Analytical Services

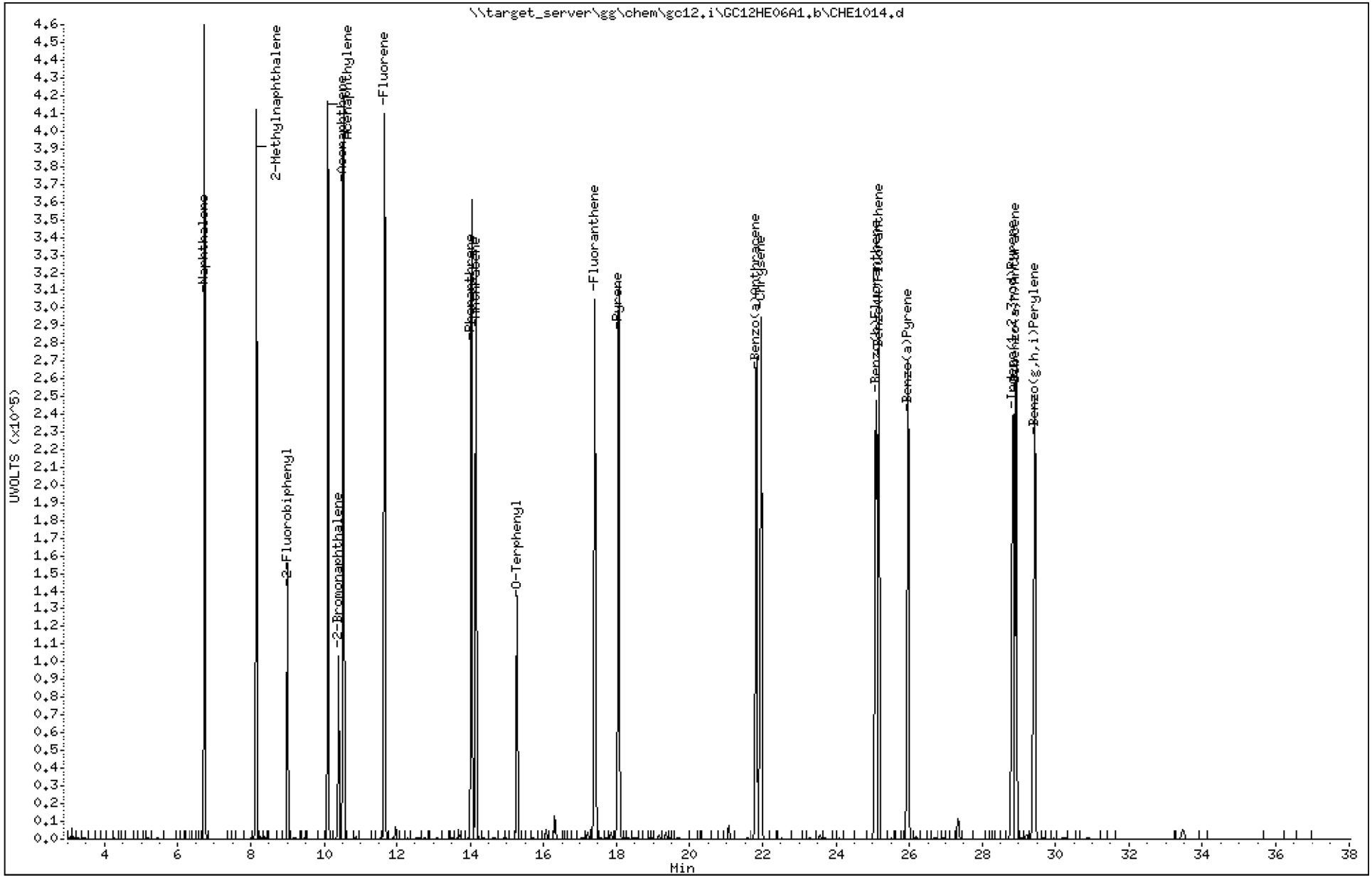
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Inj Date : 06-MAY-2014 20:52
Operator : AC Inst ID: gc12.i
Smp Info : WG142382-4
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HE06A1.b\AROA060A.m
Meth Date : 07-May-2014 19:33 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 20:52 Cal File: CHE1014.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ICAL.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

						AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	
	Compounds	RT	EXP RT	DLT RT	RESPONSE			REVIEW CODE
	2 Naphthalene	6.745	6.750	-0.005	1191324	100.000	92.2	
	3 2-Methylnaphthalene	8.154	8.159	-0.005	1178563	100.000	92.1	
$	4 2-Fluorobiphenyl	9.008	9.010	-0.002	429806	40.0000	36.3	
	5 Acenaphthylene	10.109	10.118	-0.009	1167369	100.000	92.0	
$	6 2-Bromonaphthalene	10.390	10.394	-0.004	293626	40.0000	36.4	
	7 Acenaphthene	10.529	10.537	-0.008	1191542	100.000	91.6	
	8 Fluorene	11.667	11.678	-0.011	1176666	100.000	90.7	
	9 Phenanthrene	14.039	14.052	-0.013	1183854	100.000	92.2	
	10 Anthracene	14.156	14.123	0.033	1068433	100.000	93.0	
$	11 O-Terphenyl	15.274	15.276	-0.002	478413	40.0000	36.3	
	12 Fluoranthene	17.418	17.436	-0.018	1162521	100.000	91.2	
	13 Pyrene	18.062	18.082	-0.020	1191718	100.000	91.4	
	16 Benzo(a)Anthracene	21.834	21.855	-0.021	1143390	100.000	91.0	
	17 Chrysene	21.963	21.994	-0.031	1151525	100.000	90.9	
	18 Benzo(b)Fluoranthene	25.094	25.052	0.042	1244369	100.000	92.0	
	19 Benzo(k)Fluoranthene	25.171	25.122	0.049	1138422	100.000	118	
	20 Benzo(a)Pyrene	25.970	26.009	-0.039	1153246	100.000	91.7	
	21 Indeno(1,2,3-cd)Pyrene	28.846	28.798	0.048	1293122	100.000	97.2	
	22 Dibenzo(a,h)Anthracene	28.929	28.883	0.046	1052697	100.000	115	
	23 Benzo(g,h,i)Perylene	29.437	29.491	-0.054	1159504	100.000	93.4	
M	1 Unadjusted C11-C22 Aromatic				19848265	1700.00	1620	

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1014.d
Date : 06-MAY-2014 20:52
Client ID:
Instrument: gc12.i
Sample Info: WG142382-4
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000147

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1015.d
Report Date: 21-May-2014 10:07

Katahdin Analytical Services

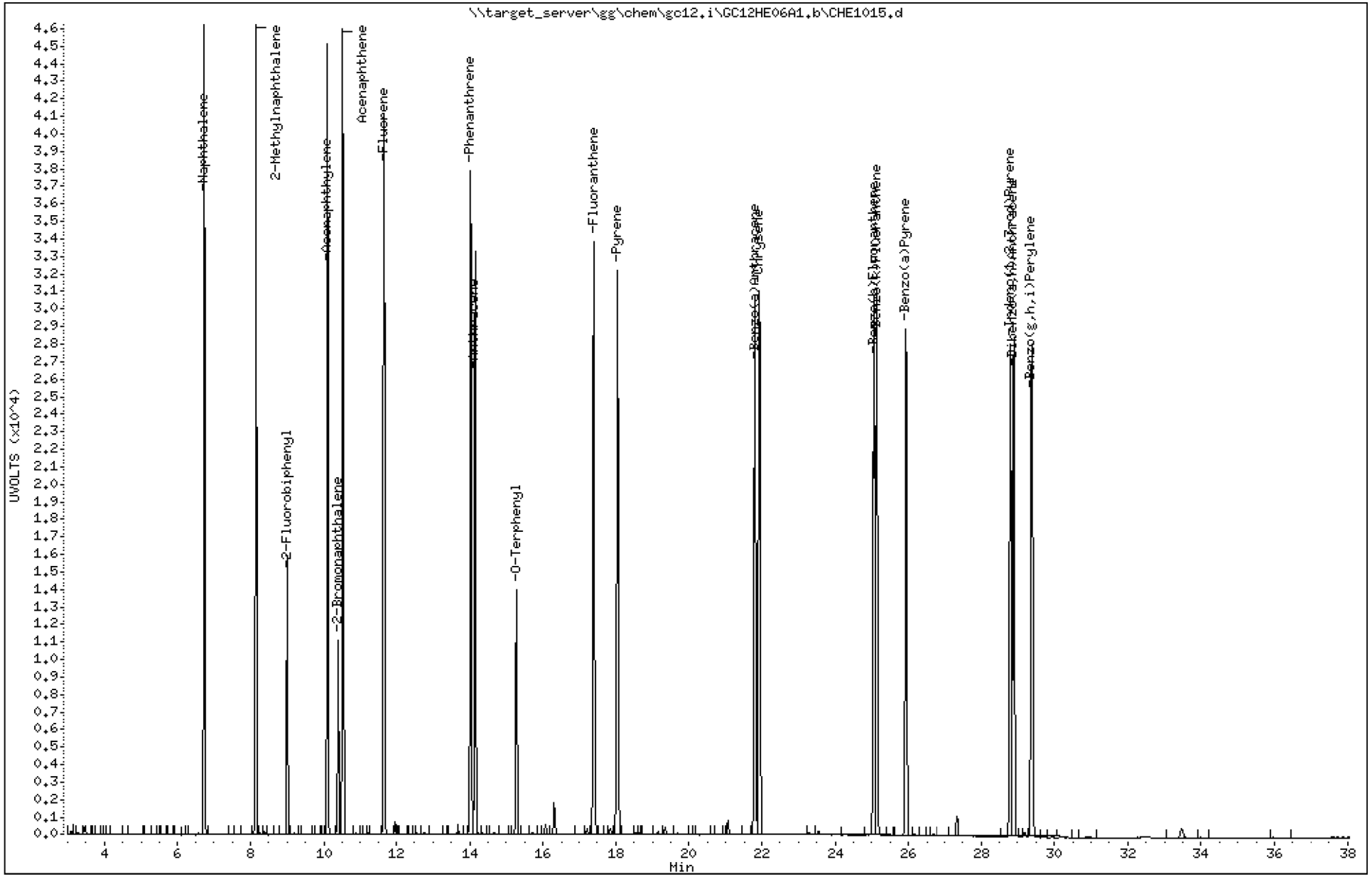
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Lab Smp Id: WG142382-2
Inj Date : 06-MAY-2014 21:38
Operator : AC Inst ID: gc12.i
Smp Info : WG142382-2
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HE06A1.b\AROA060A.m
Meth Date : 07-May-2014 19:33 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 21:38 Cal File: CHE1015.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ICAL.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

						AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	
	Compounds	RT	EXP RT	DLT RT	RESPONSE			REVIEW CODE
	2 Naphthalene	6.744	6.750	-0.006	122972	10.0000	9.52	
	3 2-Methylnaphthalene	8.149	8.159	-0.010	121800	10.0000	9.52	
$	4 2-Fluorobiphenyl	9.008	9.010	-0.002	44883	4.00000	3.79	
	5 Acenaphthylene	10.105	10.118	-0.013	120250	10.0000	9.47	
$	6 2-Bromonaphthalene	10.389	10.394	-0.005	30332	4.00000	3.76	
	7 Acenaphthene	10.521	10.537	-0.016	123028	10.0000	9.46	
	8 Fluorene	11.661	11.678	-0.017	122191	10.0000	9.42	
	9 Phenanthrene	14.029	14.052	-0.023	122619	10.0000	9.54	
	10 Anthracene	14.145	14.123	0.022	106220	10.0000	9.25	
$	11 O-Terphenyl	15.273	15.276	-0.003	49655	4.00000	3.77	
	12 Fluoranthene	17.402	17.436	-0.034	120290	10.0000	9.44	
	13 Pyrene	18.045	18.082	-0.037	123254	10.0000	9.45	
	16 Benzo(a)Anthracene	21.810	21.855	-0.045	117228	10.0000	9.33	
	17 Chrysene	21.936	21.994	-0.058	119013	10.0000	9.40	
	18 Benzo(b)Fluoranthene	25.064	25.052	0.012	133207	10.0000	9.85	
	19 Benzo(k)Fluoranthene	25.130	25.122	0.008	109923	10.0000	11.4	
	20 Benzo(a)Pyrene	25.936	26.009	-0.073	117379	10.0000	9.34	
	21 Indeno(1,2,3-cd)Pyrene	28.803	28.798	0.005	123098	10.0000	9.60	
	22 Dibenzo(a,h)Anthracene	28.889	28.883	0.006	110235	10.0000	15.6	
	23 Benzo(g,h,i)Perylene	29.384	29.491	-0.107	115446	10.0000	9.30	
M	1 Unadjusted C11-C22 Aromatic				2028153	170.000	169	

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1015.d
Date : 06-MAY-2014 21:38
Client ID:
Instrument: gc12.i
Sample Info: WG142382-2
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000149

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1016.d
Report Date: 21-May-2014 10:07

Katahdin Analytical Services

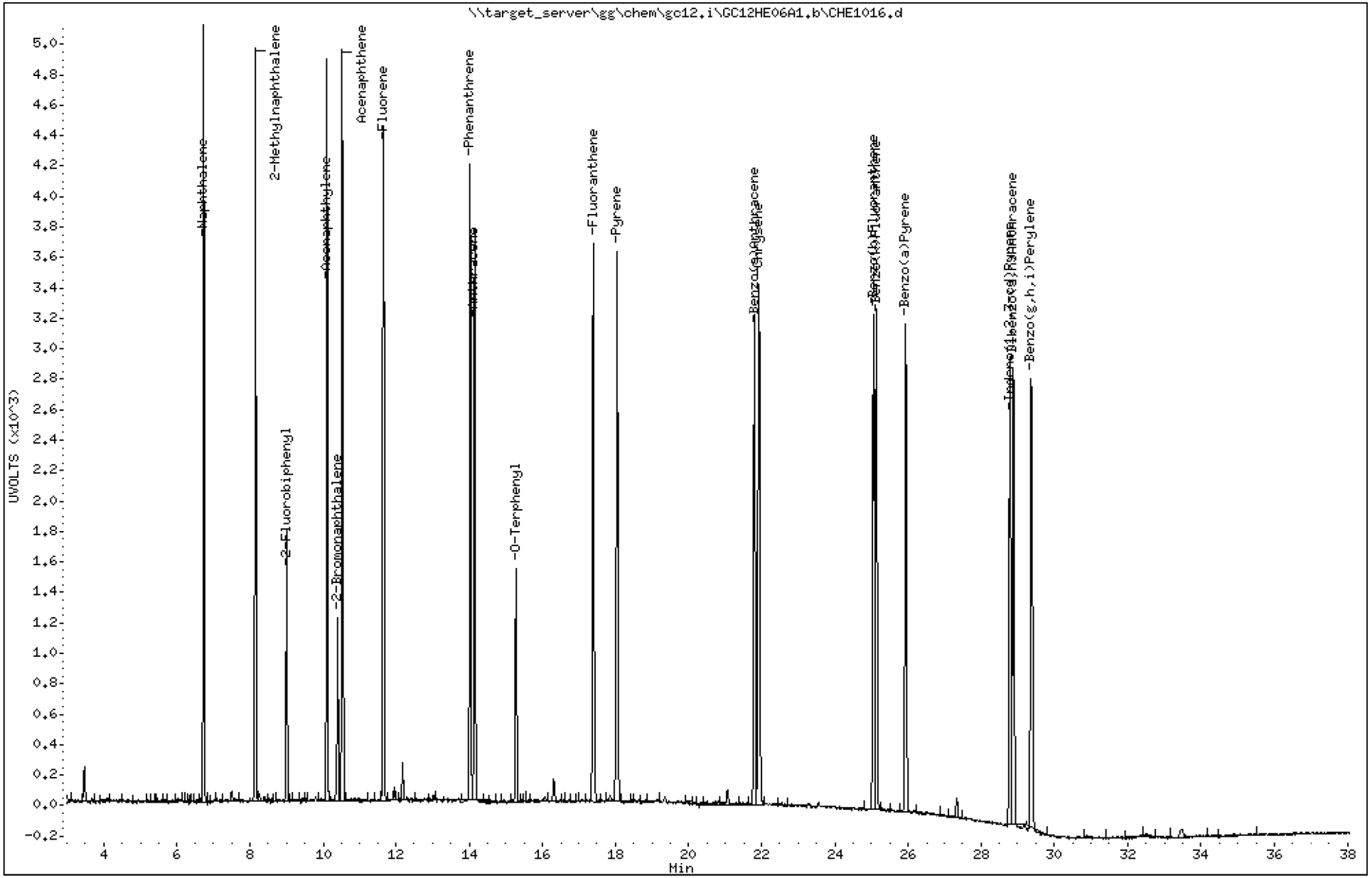
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Inj Date : 06-MAY-2014 22:23
Operator : AC Inst ID: gc12.i
Smp Info : WG142382-1
Misc Info :
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HE06A1.b\AROA060A.m
Meth Date : 07-May-2014 19:33 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE1016.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ICAL.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

						AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	2	Naphthalene	6.745	6.750	-0.005	13363	1.00000	1.03	
	3	2-Methylnaphthalene	8.149	8.159	-0.010	13117	1.00000	1.02	
$	4	2-Fluorobiphenyl	9.009	9.010	-0.001	5022	0.40000	0.424	
	5	Acenaphthylene	10.105	10.118	-0.013	13079	1.00000	1.03	
$	6	2-Bromonaphthalene	10.389	10.394	-0.005	3397	0.40000	0.421	
	7	Acenaphthene	10.522	10.537	-0.015	13488	1.00000	1.04	
	8	Fluorene	11.660	11.678	-0.018	13819	1.00000	1.06	
	9	Phenanthrene	14.027	14.052	-0.025	12835	1.00000	0.999	
	10	Anthracene	14.144	14.123	0.021	11924	1.00000	1.04	
$	11	O-Terphenyl	15.273	15.276	-0.003	5577	0.40000	0.423	
	12	Fluoranthene	17.401	17.436	-0.035	13152	1.00000	1.03	
	13	Pyrene	18.043	18.082	-0.039	13340	1.00000	1.02	
	16	Benzo(a)Anthracene	21.808	21.855	-0.047	13084	1.00000	1.04	
	17	Chrysene	21.933	21.994	-0.061	13136	1.00000	1.04	
	18	Benzo(b)Fluoranthene	25.059	25.052	0.007	13943	1.00000	1.07	
	19	Benzo(k)Fluoranthene	25.127	25.122	0.005	12477	1.00000	1.24	
	20	Benzo(a)Pyrene	25.933	26.009	-0.076	12744	1.00000	1.01	
	21	Indeno(1,2,3-cd)Pyrene	28.798	28.798	0.000	12921	1.00000	1.03	
	22	Dibenzo(a,h)Anthracene	28.885	28.883	0.002	11751	1.00000	2.42	
	23	Benzo(g,h,i)Perylene	29.378	29.491	-0.113	11961	1.00000	0.964	
M	1	Unadjusted C11-C22 Aromatic				220134	17.0000	19.1(a)	

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1016.d
Date : 06-MAY-2014 22:23
Client ID:
Instrument: gc12.i
Sample Info: WG142382-1
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000151

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1017.d
Report Date: 21-May-2014 10:11

Katahdin Analytical Services

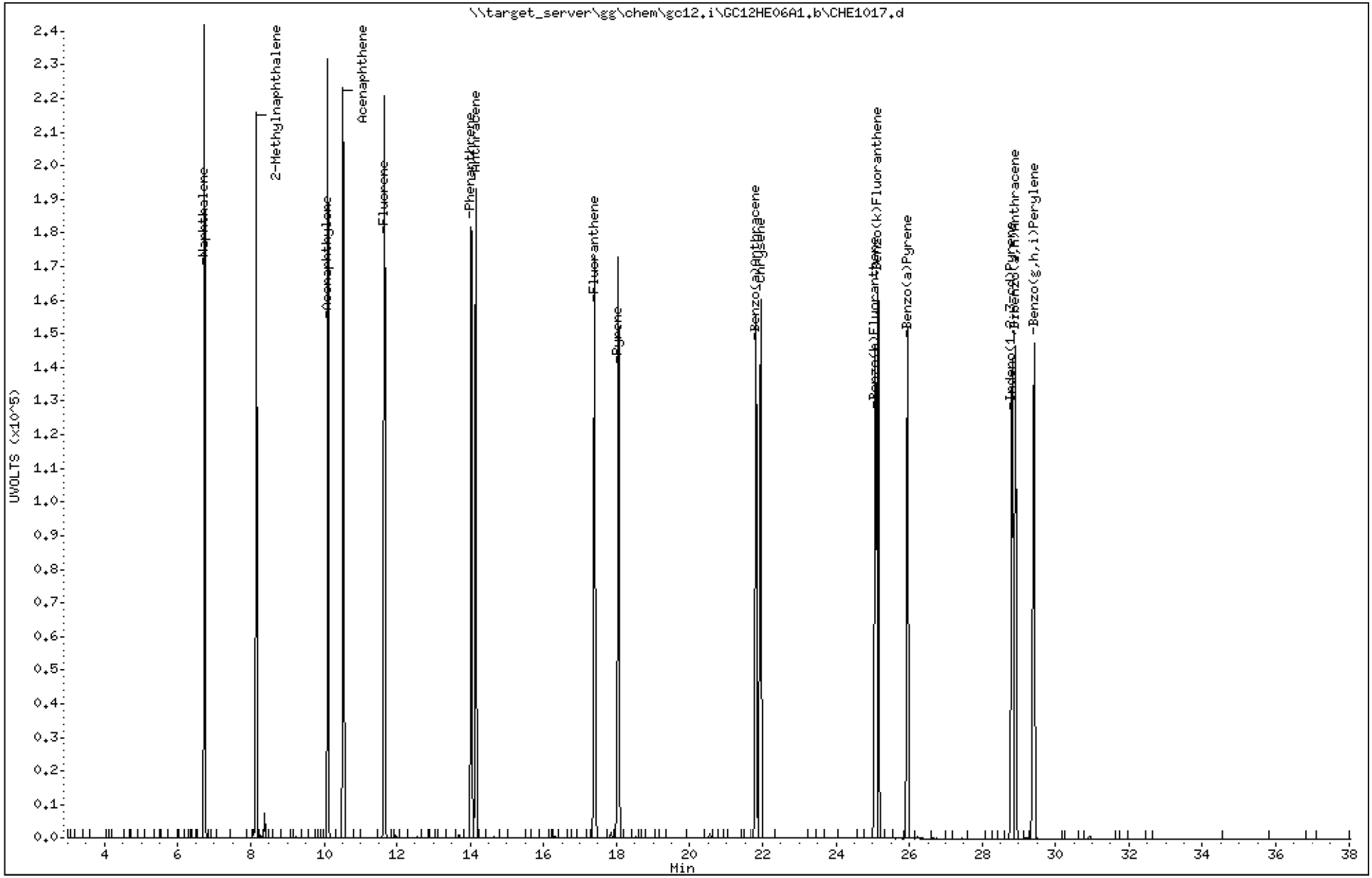
Data file : \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1017.d
Lab Smp Id: WG142382-6
Inj Date : 06-MAY-2014 23:08
Operator : AC Inst ID: gc12.i
Smp Info : WG142382-6,SH2950
Misc Info : WG142382,WG142382,WG142382-3,SH2950-1
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HE06A1.b\AROA060A.m
Meth Date : 07-May-2014 19:33 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ind.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
2	Naphthalene	6.745	6.750	-0.005	625503	48.4334	48.4	
3	2-Methylnaphthalene	8.151	8.159	-0.008	608689	47.5794	47.6	
5	Acenaphthylene	10.106	10.118	-0.012	618822	48.7468	48.7	
7	Acenaphthene	10.523	10.537	-0.014	628218	48.3237	48.3	
8	Fluorene	11.664	11.678	-0.014	630185	48.5603	48.6	
9	Phenanthrene	14.033	14.052	-0.019	621946	48.4182	48.4	
10	Anthracene	14.149	14.123	0.026	622315	54.1918	54.2	
12	Fluoranthene	17.409	17.436	-0.027	630023	49.4377	49.4	
13	Pyrene	18.052	18.082	-0.030	631622	48.4506	48.4	
16	Benzo(a)Anthracene	21.822	21.855	-0.033	628775	49.9760	50.0	
17	Chrysene	21.948	21.994	-0.046	605916	47.7851	47.8	
18	Benzo(b)Fluoranthene	25.079	25.052	0.027	649518	46.8046	46.8	
19	Benzo(k)Fluoranthene	25.151	25.122	0.029	622208	49.6727	49.7	
20	Benzo(a)Pyrene	25.954	26.009	-0.055	632297	50.1844	50.2	
21	Indeno(1,2,3-cd)Pyrene	28.825	28.798	0.027	656908	48.2972	48.3	
22	Dibenzo(a,h)Anthracene	28.909	28.883	0.026	591293	49.6218	49.6	
23	Benzo(g,h,i)Perylene	29.413	29.491	-0.078	633193	50.8174	50.8	

Data File: \\target_server\gg\chem\gc12.i\GC12HE06A1.b\CHE1017.d
Date : 06-MAY-2014 23:08
Client ID:
Instrument: gc12.i
Sample Info: WG142382-6,SH2950
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000153

Form 6
Initial Calibration Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab File IDs : CHE2016.d CHE2015.d CHE2012.d CHE2014.d CHE2013.d

SDG: WE53-7
Instrument ID: GC12
Column ID: A
Calibration Date(s): 06-MAY-14 19:22
06-MAY-14 22:23

	Level 1	Level 2	Level 3	Level 4	Level 5		Crv					Max	
	1.0000	10.0000	50.0000	100.0000	200.0000		New	b	m1	m2	%RSD	%RSD	
C9-C18 Aliphatic	12773	11971	12325	11859	12038		AVG		12193		3.00943	25.00000	M (
C19-C36 Aliphatic	12420	12164	12543	12059	12201		AVG		12277		1.61406	25.00000	M (
C-9	12108	11676	12159	11694	11877		AVG		11903		1.89464	30.00000	O
C-10	15197	12126	12333	11812	11971		AVG		12688		11.15931	25.00000	O
C-12	12289	11876	12262	11818	11997		AVG		12048		1.80298	25.00000	O
C-14	12230	11964	12317	11867	12053		AVG		12086		1.53862	25.00000	O
C-16	12447	12055	12407	11952	12137		AVG		12200		1.78922	25.00000	O
C-18	12368	12130	12469	12011	12196		AVG		12235		1.50285	25.00000	O
C-19	12126	12028	12389	11933	12126		AVG		12120		1.40487	25.00000	O
C-20	12379	12061	12427	11966	12162		AVG		12199		1.63498	25.00000	O
C-22	12453	12158	12549	12063	12247		AVG		12294		1.64974	25.00000	O
C-24	12545	12281	12670	12162	12167		AVG		12365		1.86509	25.00000	O
C-26	12574	12192	12538	12033	12110		AVG		12289		2.03459	25.00000	O
C-28	12660	12177	12570	12086	12220		AVG		12343		2.06724	25.00000	O
C-30	12477	12163	12572	12066	12238		AVG		12303		1.73715	25.00000	O
C-36	12146	12255	12629	12166	12335		AVG		12306		1.59070	25.00000	O
5-alpha androstane	13303	12695	13047	12573	12770		AVG		12878		2.28748	25.00000	

Legend: O = Kept Original Curve
Y = Failed Minimum RF
W = Failed %RSD Value

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2017.d
Report Date: 21-May-2014 10:11

Katahdin Analytical Services

RECOVERY REPORT

Client Name: Client SDG: SDGa02536
Sample Matrix: LIQUID Fraction: DRO
Lab Smp Id: WG142382-12
Level: LOW Operator: AC
Data Type: GC DATA SampleType: LCS
SpikeList File: ind.spk Quant Type: ESTD
Sublist File: IND.sub
Method File: \\TARGET_SERVER\GG\chem\gc12.i\GC12HE06B1.B\ALIB053A.m
Misc Info: WG142382,WG124382,WG142382-9,SH2950-1

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
3 C-9	45.0	49.8	110.75	75-125
4 C-10	45.0	47.3	105.18	75-125
5 C-12	45.0	50.0	111.12	75-125
7 C-14	45.0	49.9	110.99	75-125
8 C-16	45.0	49.2	109.39	75-125
9 C-18	45.0	49.6	110.33	75-125
10 C-19	45.0	49.8	110.72	75-125
11 C-20	45.0	49.3	109.57	75-125
13 C-22	45.0	49.8	110.58	75-125
14 C-24	45.0	49.3	109.62	75-125
15 C-26	45.0	49.6	110.29	75-125
16 C-28	45.0	49.7	110.50	75-125
18 C-30	45.0	50.6	112.46	75-125
19 C-36	45.0	50.6	112.55	75-125

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2012.d
Report Date: 21-May-2014 10:09

Katahdin Analytical Services

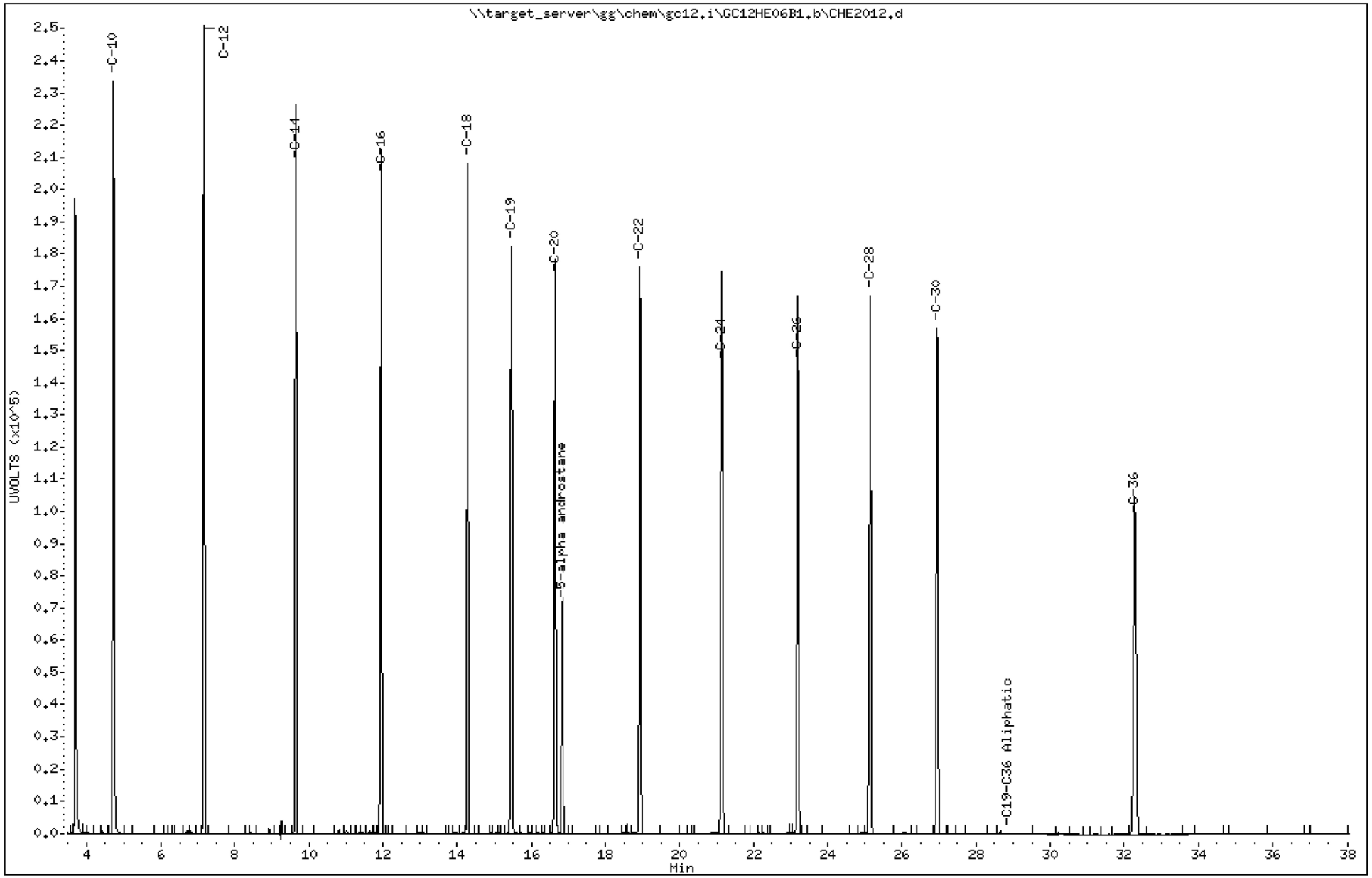
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Inj Date : 06-MAY-2014 19:22
Operator : AC   Inst ID: gc12.i
Smp Info : WG142382-9
Misc Info :
Comment   :
Method   : \\target_server\gg\chem\gc12.i\GC12HE06B1.B\ALIB053A.m
Meth Date : 07-May-2014 19:35 acronin   Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22   Cal File: CHE2012.d
Als bottle: 1   Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie   Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
3	C-9	3.699	3.700	-0.001	607941	50.0000	50.0	
4	C-10	4.722	4.722	0.000	616653	50.0000	50.0	
5	C-12	7.173	7.173	0.000	613095	50.0000	50.0	
7	C-14	9.648	9.647	0.001	615866	50.0000	50.0	
8	C-16	11.954	11.951	0.003	620361	50.0000	50.0	
9	C-18	14.280	14.277	0.003	623448	50.0000	50.0	
$ 44	5-alpha androstane	16.834	16.833	0.001	260943	20.0000	20.0	
10	C-19	15.459	15.455	0.004	619473	50.0000	50.0	
11	C-20	16.634	16.630	0.004	621334	50.0000	50.0	
13	C-22	18.936	18.933	0.003	627433	50.0000	50.0	
14	C-24	21.131	21.127	0.004	633494	50.0000	50.0	
15	C-26	23.197	23.200	-0.003	626894	50.0000	50.0	
16	C-28	25.134	25.133	0.001	628488	50.0000	50.0	
18	C-30	26.952	26.945	0.007	628611	50.0000	50.0	
19	C-36	32.292	32.283	0.009	631474	50.0000	50.0	
M 1	C9-C18 Aliphatic				3697364	300.000	300	
M 2	C19-C36 Aliphatic				5017201	400.000	400	

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2012.d
Date : 06-MAY-2014 19:22
Client ID:
Instrument: gc12.i
Sample Info: WG142382-9
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000157

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2013.d
Report Date: 21-May-2014 10:09

Katahdin Analytical Services

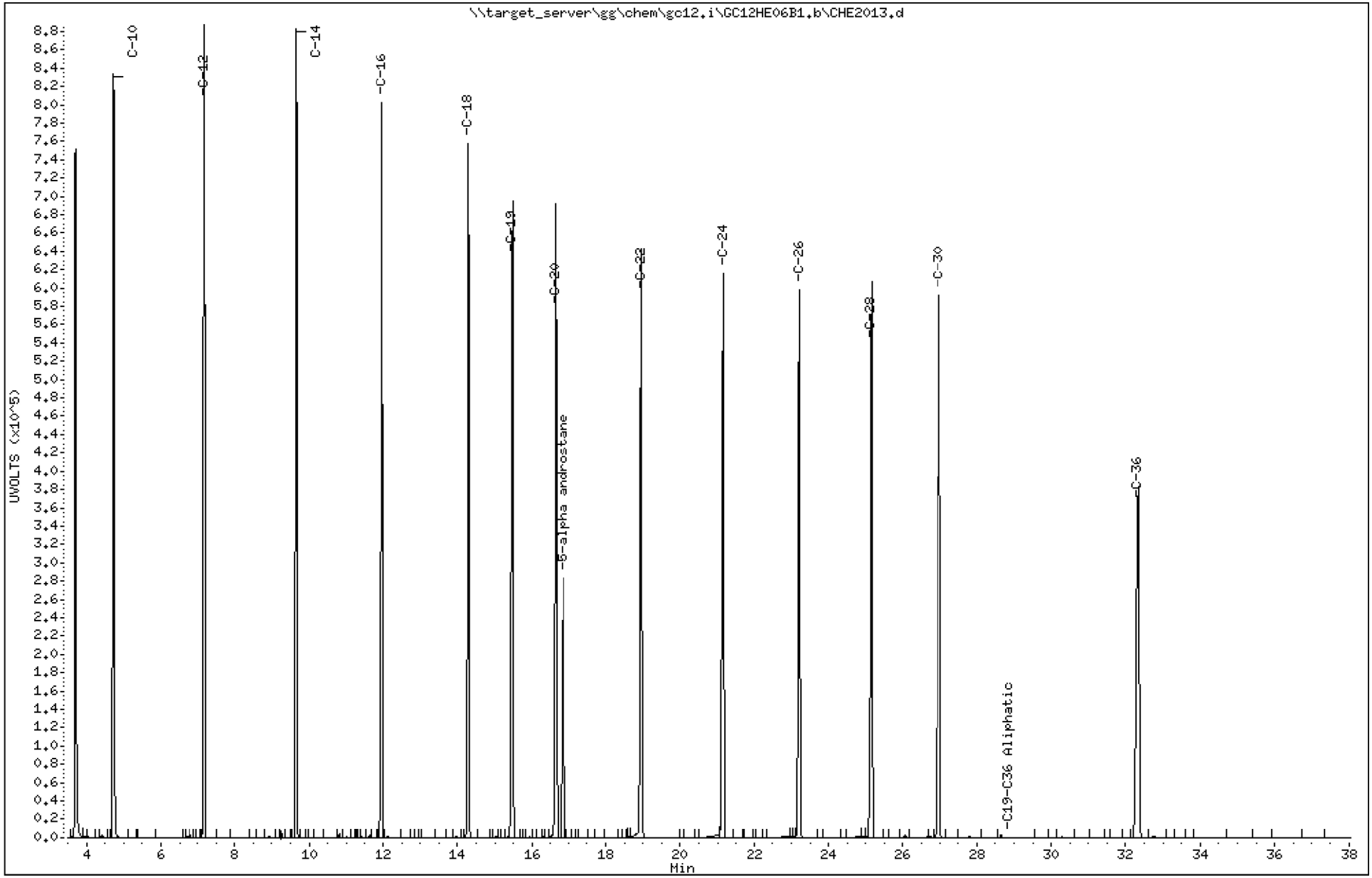
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Inj Date : 06-MAY-2014 20:07
Operator : AC   Inst ID: gc12.i
Smp Info : WG142382-7
Misc Info :
Comment   :
Method   : \\TARGET_SERVER\GG\chem\gc12.i\GC12HE06B1.B\ALIB053A.m
Meth Date : 07-May-2014 19:35 acronin   Quant Type: ESTD
Cal Date : 06-MAY-2014 20:07   Cal File: CHE2013.d
Als bottle: 1   Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie   Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	REVIEW CODE
	3 C-9	3.700	3.700	0.000	2375387	200.000	198	
	4 C-10	4.725	4.722	0.003	2394124	200.000	197	
	5 C-12	7.181	7.173	0.008	2399309	200.000	198	
	7 C-14	9.656	9.647	0.009	2410532	200.000	198	
	8 C-16	11.964	11.951	0.013	2427432	200.000	198	
	9 C-18	14.293	14.277	0.016	2439178	200.000	198	
$	44 5-alpha androstane	16.843	16.833	0.010	1021620	80.0000	79.1(A)	
	10 C-19	15.475	15.455	0.020	2425102	200.000	198	
	11 C-20	16.650	16.630	0.020	2432395	200.000	198	
	13 C-22	18.955	18.933	0.022	2449370	200.000	198	
	14 C-24	21.151	21.127	0.024	2433448	200.000	196	
	15 C-26	23.218	23.200	0.018	2422070	200.000	196	
	16 C-28	25.157	25.133	0.024	2444088	200.000	197	
	18 C-30	26.974	26.945	0.029	2447538	200.000	197	
	19 C-36	32.331	32.283	0.048	2467094	200.000	198	
M	1 C9-C18 Aliphatic				14445962	1200.00	1180	
M	2 C19-C36 Aliphatic				19521105	1600.00	1580	

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Date : 06-MAY-2014 20:07
Client ID:
Instrument: gc12.i
Sample Info: WG142382-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000159

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2014.d
Report Date: 21-May-2014 10:09

Katahdin Analytical Services

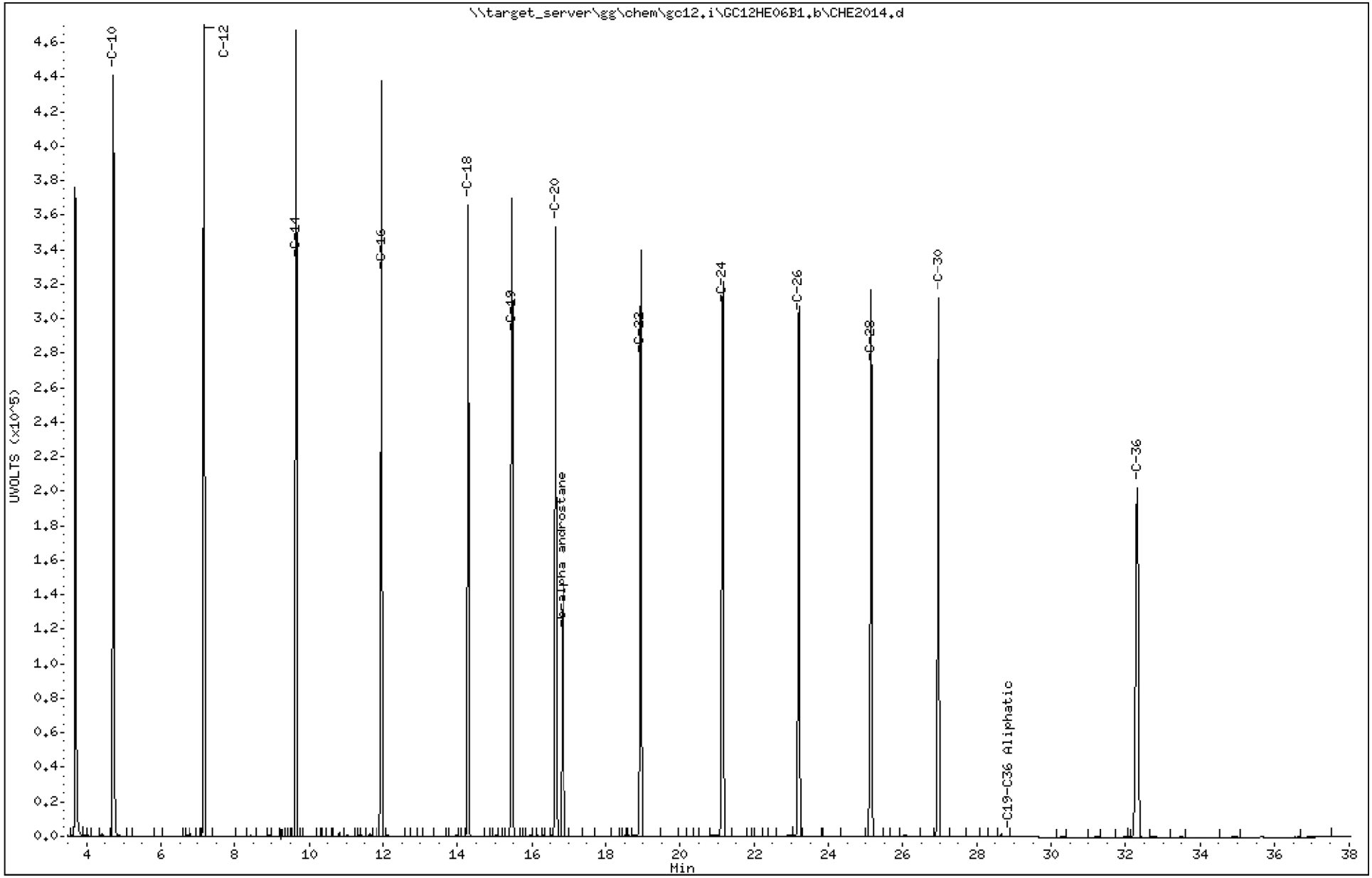
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Operator : AC Inst ID: gc12.i
Smp Info : WG142382-8
Misc Info :
Comment :
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Meth Date : 07-May-2014 19:35 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 20:52 Cal File: CHE2014.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
3	C-9	3.699	3.700	-0.001	1169427	100.000	98.2	
4	C-10	4.723	4.722	0.001	1181212	100.000	98.1	
5	C-12	7.175	7.173	0.002	1181838	100.000	98.3	
7	C-14	9.651	9.647	0.004	1186700	100.000	98.2	
8	C-16	11.958	11.951	0.007	1195163	100.000	98.2	
9	C-18	14.285	14.277	0.008	1201083	100.000	98.2	
$ 44	5-alpha androstane	16.839	16.833	0.006	502916	40.0000	39.3	
10	C-19	15.465	15.455	0.010	1193330	100.000	98.2	
11	C-20	16.641	16.630	0.011	1196592	100.000	98.2	
13	C-22	18.945	18.933	0.012	1206254	100.000	98.2	
14	C-24	21.141	21.127	0.014	1216205	100.000	98.6	
15	C-26	23.207	23.200	0.007	1203274	100.000	98.4	
16	C-28	25.144	25.133	0.011	1208598	100.000	98.3	
18	C-30	26.960	26.945	0.015	1206640	100.000	98.2	
19	C-36	32.306	32.283	0.023	1216612	100.000	98.3	
M 1	C9-C18 Aliphatic				7115423	600.000	589	
M 2	C19-C36 Aliphatic				9647505	800.000	786	

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2014.d
Date : 06-MAY-2014 20:52
Client ID:
Instrument: gc12.i
Sample Info: WG142382-8
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000161

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2015.d
Report Date: 21-May-2014 10:09

Katahdin Analytical Services

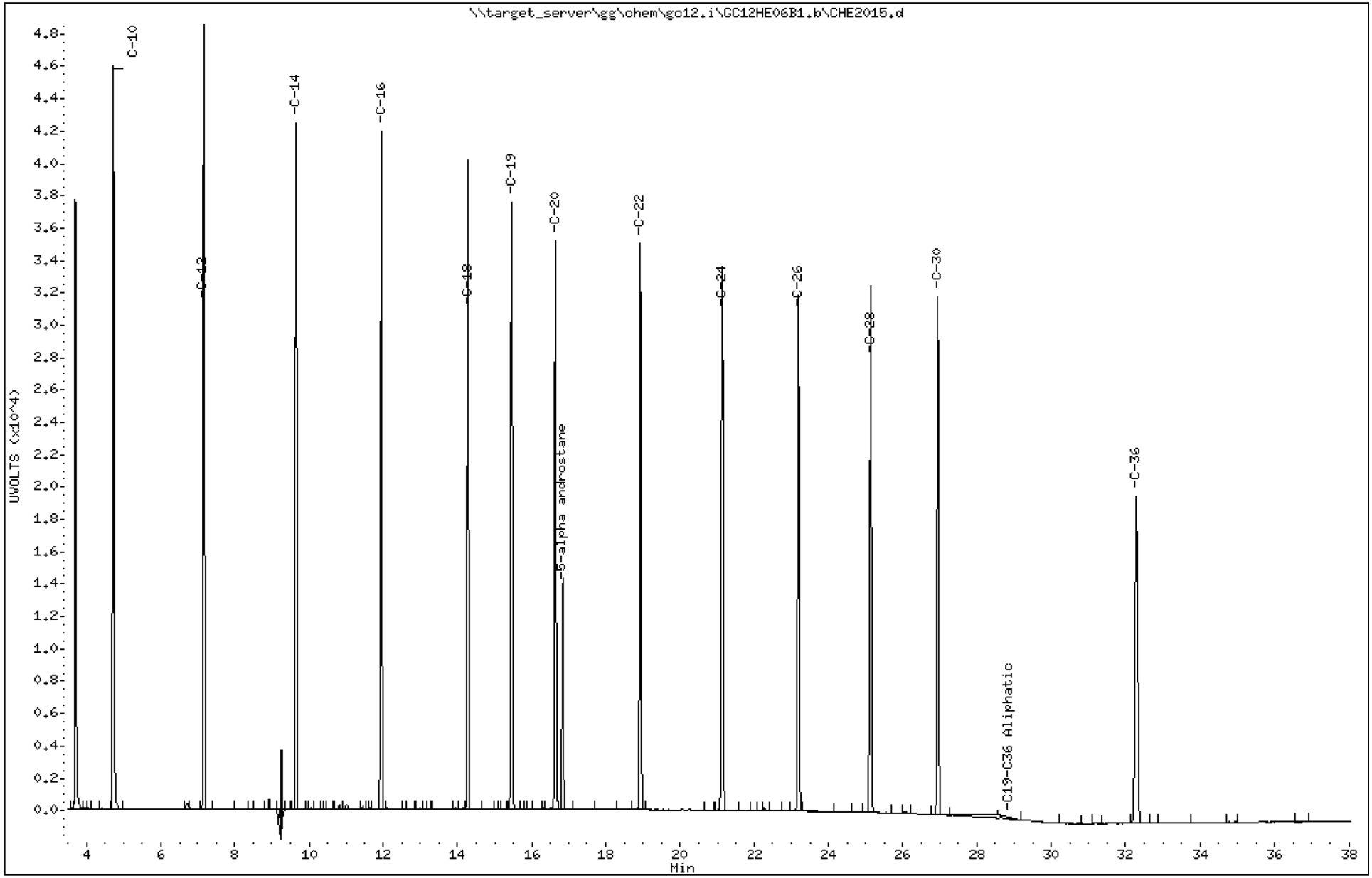
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Operator : AC   Inst ID: gc12.i
Smp Info : WG142382-10
Misc Info :
Comment   :
Method   : \\TARGET_SERVER\GG\chem\gc12.i\GC12HE06B1.B\ALIB053A.m
Meth Date : 07-May-2014 19:35 acronin   Quant Type: ESTD
Cal Date : 06-MAY-2014 21:38   Cal File: CHE2015.d
Als bottle: 1   Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie   Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	3 C-9	3.699	3.700	-0.001	116756	10.0000	9.85	
	4 C-10	4.722	4.722	0.000	121260	10.0000	10.0	
	5 C-12	7.172	7.173	-0.001	118761	10.0000	9.91	
	7 C-14	9.646	9.647	-0.001	119635	10.0000	9.93	
	8 C-16	11.951	11.951	0.000	120551	10.0000	9.93	
	9 C-18	14.278	14.277	0.001	121300	10.0000	9.94	
$	44 5-alpha androstane	16.834	16.833	0.001	50779	4.00000	3.98	
	10 C-19	15.456	15.455	0.001	120281	10.0000	9.92	
	11 C-20	16.632	16.630	0.002	120605	10.0000	9.92	
	13 C-22	18.934	18.933	0.001	121576	10.0000	9.92	
	14 C-24	21.129	21.127	0.002	122808	10.0000	9.97	
	15 C-26	23.194	23.200	-0.006	121924	10.0000	9.98	
	16 C-28	25.131	25.133	-0.002	121774	10.0000	9.93	
	18 C-30	26.947	26.945	0.002	121626	10.0000	9.92	
	19 C-36	32.285	32.283	0.002	122549	10.0000	9.92	
M	1 C9-C18 Aliphatic				718263	60.0000	59.6(a)	
M	2 C19-C36 Aliphatic				973143	80.0000	79.5(a)	

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2015.d
Date : 06-MAY-2014 21:38
Client ID:
Instrument: gc12.i
Sample Info: WG142382-10
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000163

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2016.d
Report Date: 21-May-2014 10:09

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2016.d
Lab Smp Id: WG142382-11
Inj Date : 06-MAY-2014 22:23
Operator : AC Inst ID: gc12.i
Smp Info : WG142382-11
Misc Info :
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HE06B1.B\ALIB053A.m
Meth Date : 07-May-2014 19:35 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

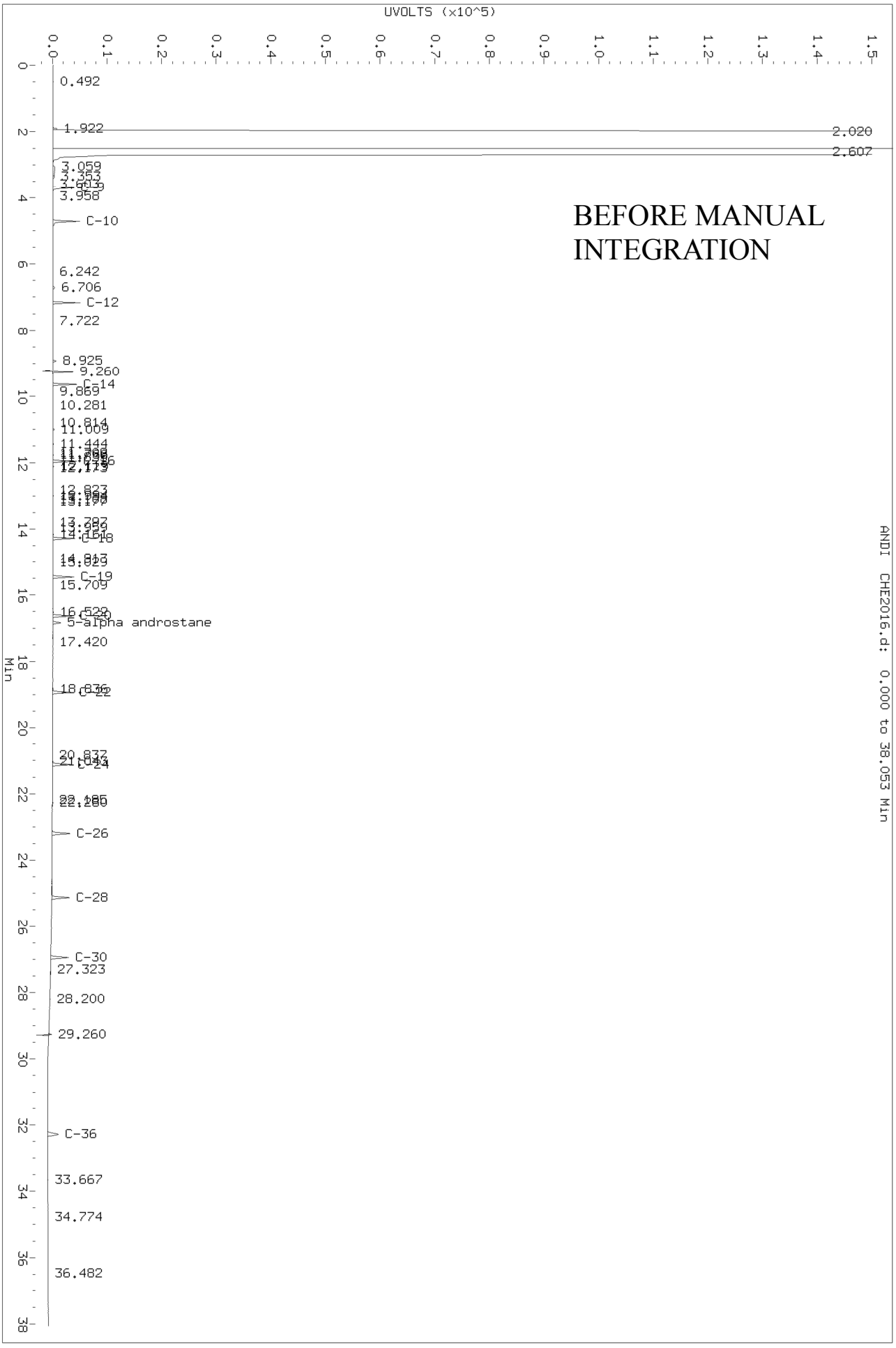
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
3 C-9	3.699	3.700	-0.001	12108	1.00000	1.02	
4 C-10	4.722	4.722	0.000	15197	1.00000	1.20	
5 C-12	7.173	7.173	0.000	12289	1.00000	1.02	
7 C-14	9.647	9.647	0.000	12230	1.00000	1.01	
8 C-16	11.951	11.951	0.000	12447	1.00000	1.02	
9 C-18	14.277	14.277	0.000	12368	1.00000	1.01	
$ 44 5-alpha androstane	16.833	16.833	0.000	5321	0.40000	0.413(a)	
10 C-19	15.455	15.455	0.000	12126	1.00000	1.00	
11 C-20	16.630	16.630	0.000	12379	1.00000	1.01	
13 C-22	18.933	18.933	0.000	12453	1.00000	1.01	
14 C-24	21.127	21.127	0.000	12545	1.00000	1.01	
15 C-26	23.200	23.200	0.000	12574	1.00000	1.02(M)	
16 C-28	25.133	25.133	0.000	12660	1.00000	1.02(M)	M5
18 C-30	26.945	26.945	0.000	12477	1.00000	1.01	
19 C-36	32.283	32.283	0.000	12146	1.00000	0.987	

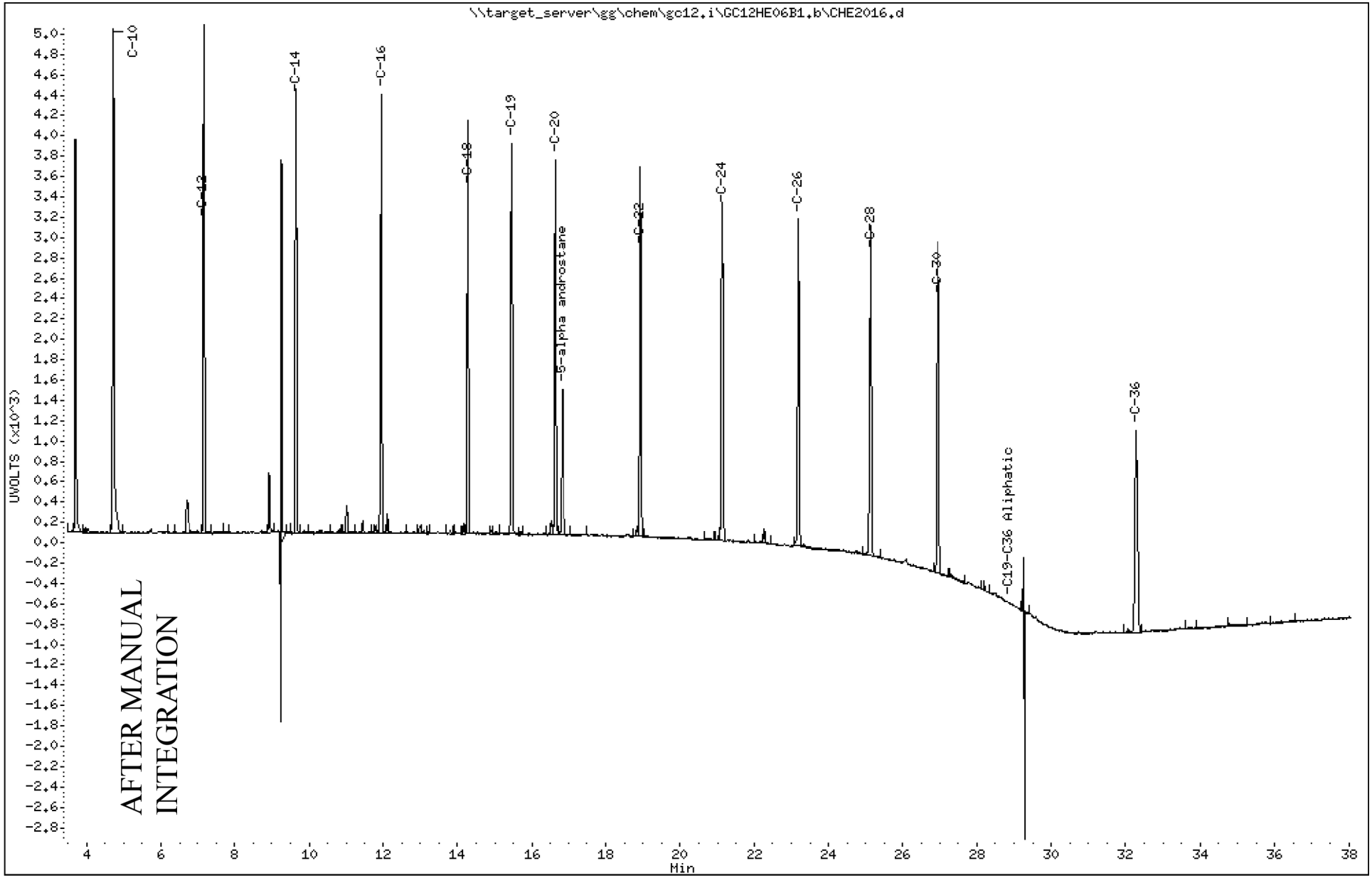
JUP
12:45 pm, May 21, 2014

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.


UVOLTS (x10^5)
Min
0.492
1.922
2.020
2.607
3.059
3.958
C-10
6.242
6.706
C-12
7.722
8.925
9.260
C-14
9.869
10.281
10.814
11.009
11.444
C-16
14.461
C-18
14.847
15.029
C-19
15.709
16.529
C-20
5-alpha androstane
17.420
18.836
C-22
20.837
C-24
C-26
C-28
C-30
27.323
28.200
29.260
C-36
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34.774
36.482
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Injection Date: 06-MAY-2014 22:23
Instrument: gc12.i
Client Sample ID:
BEFORE MANUAL INTEGRATION
ANDI CHE2016.d: 0.000 to 38.053 Min

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2016.d
Date : 06-MAY-2014 22:23
Client ID:
Instrument: gc12.i
Sample Info: WG142382-11
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000166

Data File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2017.d
Report Date: 21-May-2014 10:11

Katahdin Analytical Services

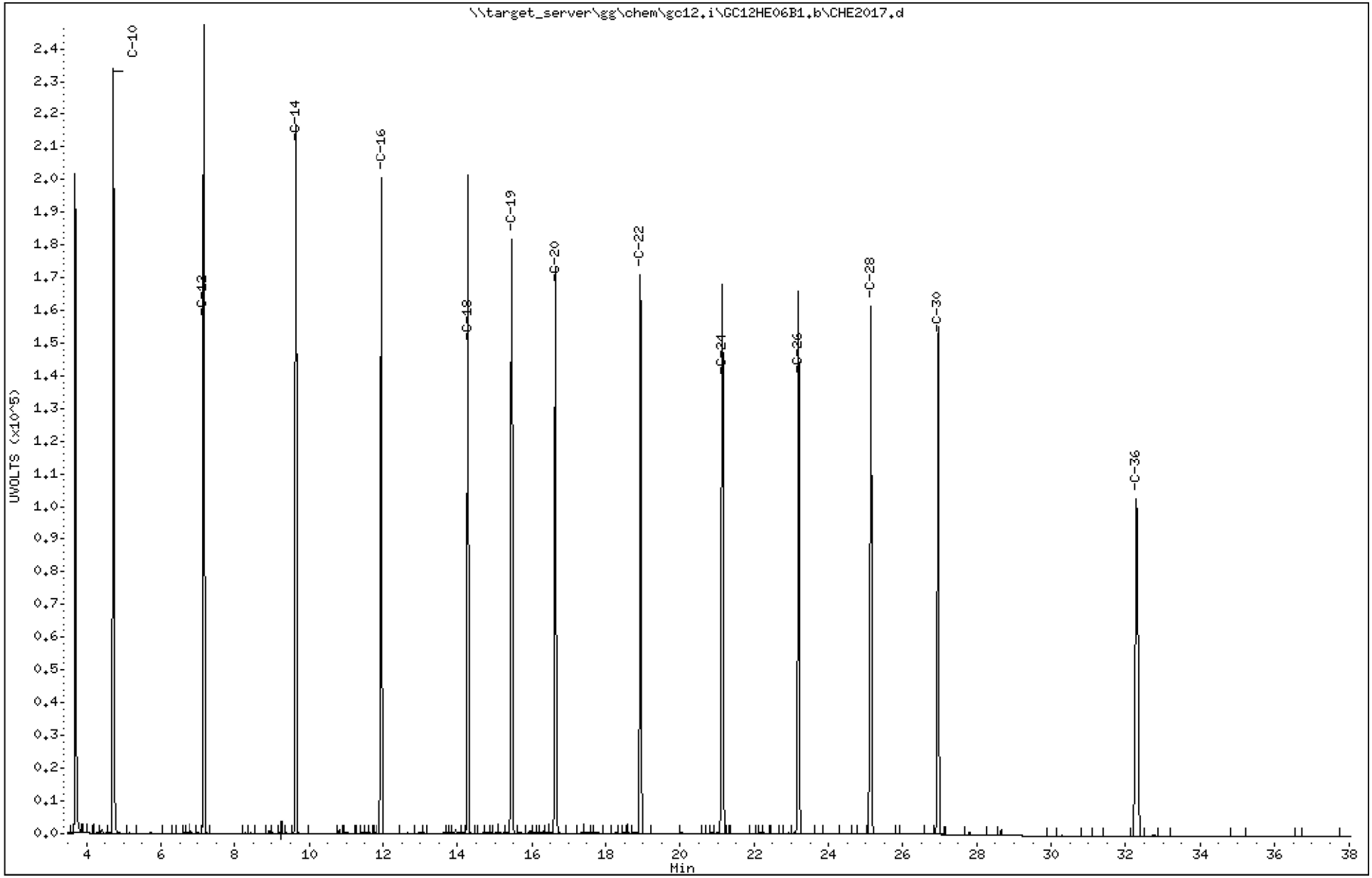
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Operator : AC Inst ID: gc12.i
Smp Info : WG142382-12,SH2950
Misc Info : WG142382,WG124382,WG142382-9,SH2950-1
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HE06B1.B\ALIB053A.m
Meth Date : 07-May-2014 19:35 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: IND.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HE06B1.b\CHE2011.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
3 C-9	3.698	3.700	-0.002	593209	49.8381	49.8	
4 C-10	4.721	4.722	-0.001	600502	47.3292	47.3	
5 C-12	7.172	7.173	-0.001	602451	50.0026	50.0	
7 C-14	9.647	9.647	0.000	603645	49.9454	49.9	
8 C-16	11.953	11.951	0.002	600538	49.2260	49.2	
9 C-18	14.279	14.277	0.002	607415	49.6468	49.6	
10 C-19	15.458	15.455	0.003	603909	49.8255	49.8	
11 C-20	16.634	16.630	0.004	601471	49.3057	49.3	
13 C-22	18.937	18.933	0.004	611743	49.7606	49.8	
14 C-24	21.132	21.127	0.005	609944	49.3283	49.3	
15 C-26	23.198	23.200	-0.002	609919	49.6294	49.6	
16 C-28	25.136	25.133	0.003	613769	49.7272	49.7	
18 C-30	26.954	26.945	0.009	622621	50.6065	50.6	
19 C-36	32.295	32.283	0.012	623306	50.6490	50.6	

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Date : 06-MAY-2014 23:08
Client ID:
Instrument: gc12.i
Sample Info: WG142382-12,SH2950
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000168

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145269-1
Lab File ID : CHF3035.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/23/14 12:45
Instrument ID: GC12
Column ID: A

	Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
2	Naphthalene	12915	15165	0.010	17.42731	25.00000	Averaged
3	2-Methylnaphthalene	12793	15015	0.010	17.37147	25.00000	Averaged
5	Acenaphthylene	12695	14938	0.010	17.67197	25.00000	Averaged
7	Acenaphthene	13000	15256	0.010	17.34917	25.00000	Averaged
8	Fluorene	12977	15017	0.010	15.71816	25.00000	Averaged
9	Phenanthrene	12845	15209	0.010	18.40387	25.00000	Averaged
10	Anthracene	11484	13606	0.010	18.48158	25.00000	Averaged
12	Fluoranthene	12744	15056	0.010	18.14333	25.00000	Averaged
13	Pyrene	13036	15425	0.010	18.32573	25.00000	Averaged
16	Benzo(a)Anthracene	12582	14618	0.010	16.18486	25.00000	Averaged
17	Chrysene	12680	14782	0.010	16.57914	25.00000	Averaged
18	Benzo(b)Fluoranthene	13877	16647	0.010	19.96068	25.00000	Averaged
19	Benzo(k)Fluoranthene	12526	13980	0.010	11.60490	25.00000	Averaged
20	Benzo(a)Pyrene	12599	14675	0.010	16.47557	25.00000	Averaged
21	Indeno(1,2,3-cd)Pyrene	13601	16062	0.010	18.08763	25.00000	Averaged
22	Dibenzo(a,h)Anthracene	11916	13227	0.010	11.00551	25.00000	Averaged
23	Benzo(g,h,i)Perylene	12460	14860	0.010	19.25871	25.00000	Averaged
4	2-Fluorobiphenyl	11847	13766	0.010	16.19885	25.00000	Averaged
6	2-Bromonaphthalene	8060	9370	0.010	16.24629	25.00000	Averaged
11	O-Terphenyl	13172	15571	0.010	18.21522	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3035.d
Report Date: 10-Jul-2014 16:35

Katahdin Analytical Services

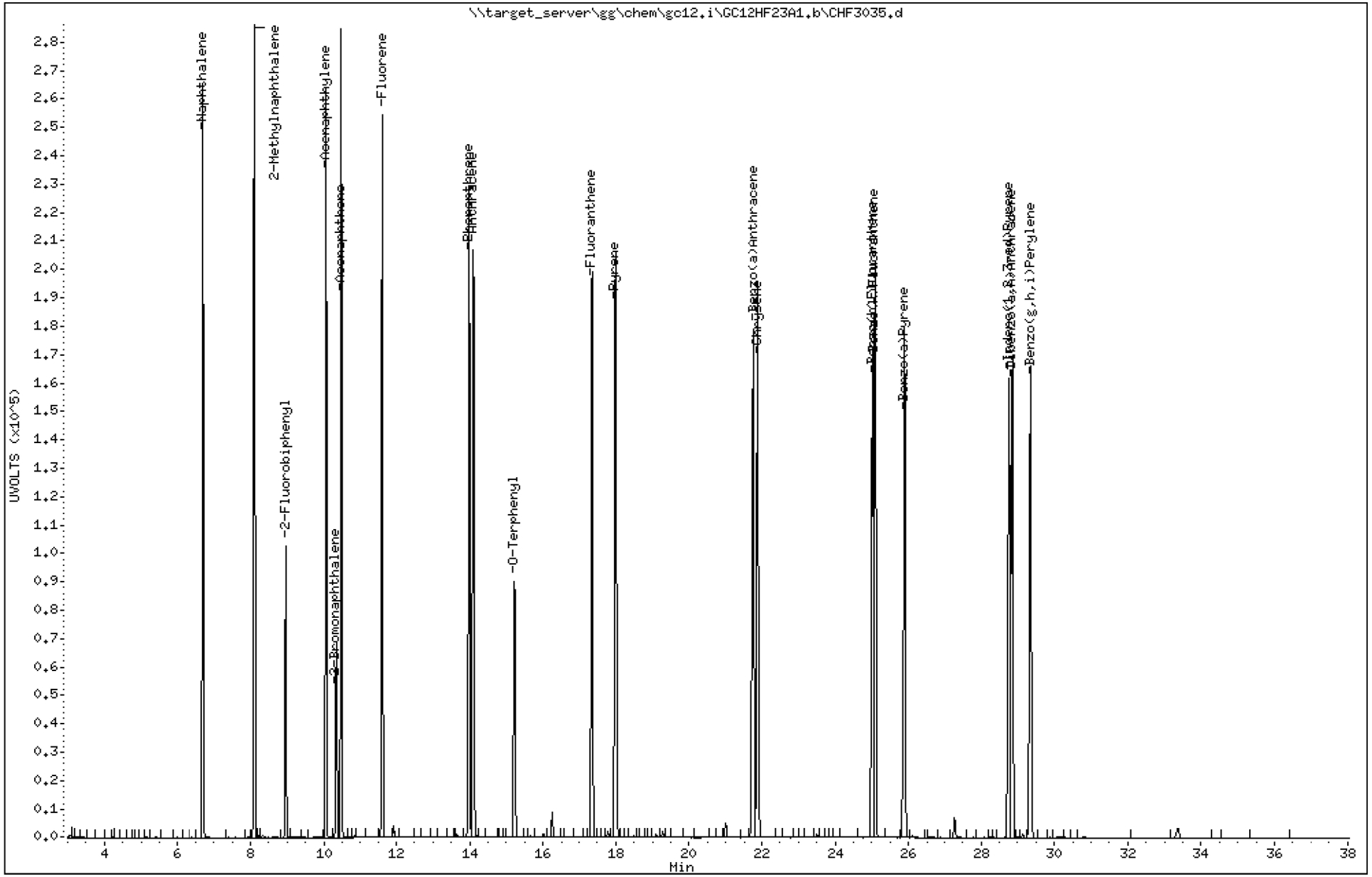
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Inj Date : 23-JUN-2014 12:45
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Smp Info : WG145269-1,WE53-7
Misc Info : WG145269,WG145269,WG142382-3,SH4401-2
Comment   :
Method   : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin   Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22   Cal File: CHE1012.d
Als bottle: 1   Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie   Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
2	Naphthalene	6.701	6.718	-0.017	758269	50.0000	58.7	
3	2-Methylnaphthalene	8.106	8.124	-0.018	750774	50.0000	58.7	
$ 4	2-Fluorobiphenyl	8.962	8.982	-0.020	275328	20.0000	23.2	
5	Acenaphthylene	10.062	10.080	-0.018	746900	50.0000	58.8	
$ 6	2-Bromonaphthalene	10.344	10.364	-0.020	187390	20.0000	23.2	
7	Acenaphthene	10.479	10.499	-0.020	762781	50.0000	58.7	
8	Fluorene	11.617	11.638	-0.021	750858	50.0000	57.8	
9	Phenanthrene	13.982	14.005	-0.023	760466	50.0000	59.2	
10	Anthracene	14.097	14.081	0.016	680295	50.0000	59.2	
$ 11	O-Terphenyl	15.218	15.242	-0.024	311424	20.0000	23.6	
12	Fluoranthene	17.353	17.377	-0.024	752796	50.0000	59.1	
13	Pyrene	17.996	18.020	-0.024	771272	50.0000	59.2	
16	Benzo(a)Anthracene	21.763	21.786	-0.023	730892	50.0000	58.1	
17	Chrysene	21.891	21.914	-0.023	739113	50.0000	58.3	
18	Benzo(b)Fluoranthene	25.022	25.001	0.021	832361	50.0000	60.0	
19	Benzo(k)Fluoranthene	25.093	25.075	0.018	698990	50.0000	55.8	
20	Benzo(a)Pyrene	25.893	25.916	-0.023	733765	50.0000	58.2	
21	Indeno(1,2,3-cd)Pyrene	28.765	28.786	-0.021	803076	50.0000	59.0	
22	Dibenzo(a,h)Anthracene	28.848	28.872	-0.024	661371	50.0000	55.5	
23	Benzo(g,h,i)Perylene	29.354	29.373	-0.019	742992	50.0000	59.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3035.d
Date : 23-JUN-2014 12:45
Client ID:
Instrument: gc12.i
Sample Info: WG145269-1,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000171

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145269-2
Lab File ID : CHF3057.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/24/14 05:29
Instrument ID: GC12
Column ID: A

Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
2 Naphthalene	12915	14299	0.010	10.72053	25.00000	Averaged
3 2-Methylnaphthalene	12793	14174	0.010	10.79544	25.00000	Averaged
5 Acenaphthylene	12695	14072	0.010	10.84939	25.00000	Averaged
7 Acenaphthene	13000	14398	0.010	10.75219	25.00000	Averaged
8 Fluorene	12977	14221	0.010	9.58301	25.00000	Averaged
9 Phenanthrene	12845	14358	0.010	11.77949	25.00000	Averaged
10 Anthracene	11484	12820	0.010	11.63423	25.00000	Averaged
12 Fluoranthene	12744	14193	0.010	11.37359	25.00000	Averaged
13 Pyrene	13036	14548	0.010	11.59367	25.00000	Averaged
16 Benzo(a)Anthracene	12582	13855	0.010	10.12550	25.00000	Averaged
17 Chrysene	12680	14016	0.010	10.53262	25.00000	Averaged
18 Benzo(b)Fluoranthene	13877	15455	0.010	11.36934	25.00000	Averaged
19 Benzo(k)Fluoranthene	12526	13555	0.010	8.21136	25.00000	Averaged
20 Benzo(a)Pyrene	12599	13931	0.010	10.57024	25.00000	Averaged
21 Indeno(1,2,3-cd)Pyrene	13601	15259	0.010	12.18513	25.00000	Averaged
22 Dibenzo(a,h)Anthracene	11916	12950	0.010	8.67822	25.00000	Averaged
23 Benzo(g,h,i)Perylene	12460	14110	0.010	13.24322	25.00000	Averaged
4 2-Fluorobiphenyl	11847	12928	0.010	9.11790	25.00000	Averaged
6 2-Bromonaphthalene	8060	8833	0.010	9.59061	25.00000	Averaged
11 O-Terphenyl	13172	14658	0.010	11.28419	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3057.d
Report Date: 10-Jul-2014 13:31

Katahdin Analytical Services

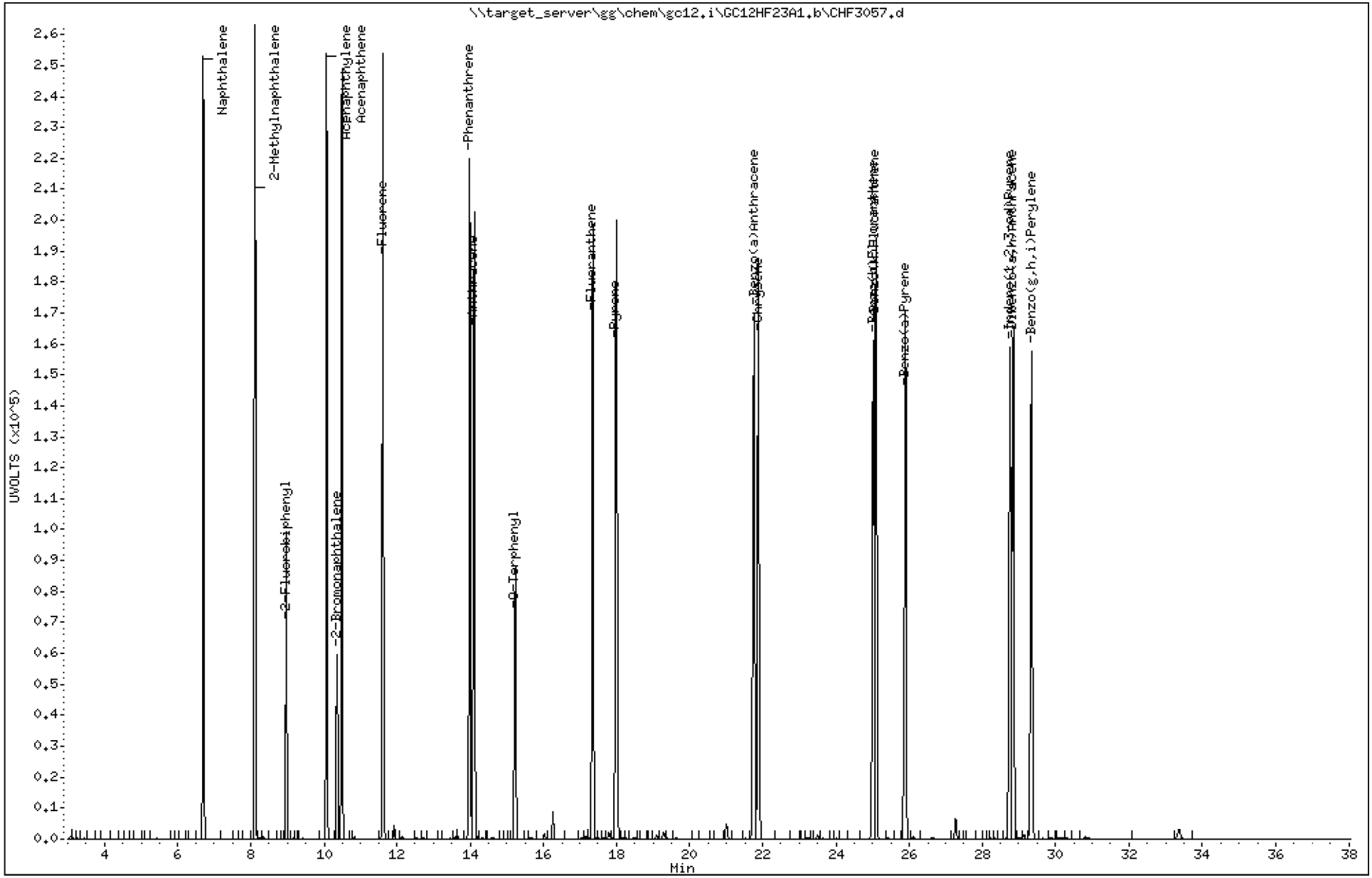
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Inj Date : 24-JUN-2014 05:29
Operator : AC Inst ID: gc12.i
Smp Info : WG145269-2,WE53-7
Misc Info : WG145269,WG145269,WG142382-3,SH4401-2
Comment :
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Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3056.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	2 Naphthalene	6.711	6.718	-0.007	714961	50.0000	55.4	
	3 2-Methylnaphthalene	8.116	8.124	-0.008	708710	50.0000	55.4	
$	4 2-Fluorobiphenyl	8.972	8.982	-0.010	258550	20.0000	21.8	
	5 Acenaphthylene	10.069	10.080	-0.011	703595	50.0000	55.4	
$	6 2-Bromonaphthalene	10.352	10.364	-0.012	176661	20.0000	21.9	
	7 Acenaphthene	10.487	10.499	-0.012	719900	50.0000	55.4	
	8 Fluorene	11.625	11.638	-0.013	711049	50.0000	54.8	
	9 Phenanthrene	13.988	14.005	-0.017	717920	50.0000	55.9	
	10 Anthracene	14.104	14.081	0.023	640979	50.0000	55.8	
$	11 O-Terphenyl	15.224	15.242	-0.018	293165	20.0000	22.2	
	12 Fluoranthene	17.357	17.377	-0.020	709660	50.0000	55.7	
	13 Pyrene	17.999	18.020	-0.021	727391	50.0000	55.8	
	16 Benzo(a)Anthracene	21.763	21.786	-0.023	692774	50.0000	55.1	
	17 Chrysene	21.890	21.914	-0.024	700778	50.0000	55.3	
	18 Benzo(b)Fluoranthene	25.019	25.001	0.018	772749	50.0000	55.7	
	19 Benzo(k)Fluoranthene	25.091	25.075	0.016	677736	50.0000	54.1	
	20 Benzo(a)Pyrene	25.892	25.916	-0.024	696563	50.0000	55.3	
	21 Indeno(1,2,3-cd)Pyrene	28.763	28.786	-0.023	762935	50.0000	56.1	
	22 Dibenzo(a,h)Anthracene	28.847	28.872	-0.025	647505	50.0000	54.3	
	23 Benzo(g,h,i)Perylene	29.351	29.373	-0.022	705515	50.0000	56.6	

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Date : 24-JUN-2014 05:29
Client ID:
Instrument: gc12.i
Sample Info: WG145269-2,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000174

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145456-2
Lab File ID : CHF3120.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/26/14 05:55
Instrument ID: GC12
Column ID: A

	Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
2	Naphthalene	12915	13769	0.010	6.61482	25.00000	Averaged
3	2-Methylnaphthalene	12793	13669	0.010	6.84910	25.00000	Averaged
5	Acenaphthylene	12695	13538	0.010	6.64288	25.00000	Averaged
7	Acenaphthene	13000	13906	0.010	6.96579	25.00000	Averaged
8	Fluorene	12977	13765	0.010	6.06920	25.00000	Averaged
9	Phenanthrene	12845	13911	0.010	8.29682	25.00000	Averaged
10	Anthracene	11484	12393	0.010	7.92092	25.00000	Averaged
12	Fluoranthene	12744	13725	0.010	7.70294	25.00000	Averaged
13	Pyrene	13036	14068	0.010	7.91091	25.00000	Averaged
16	Benzo(a)Anthracene	12582	13466	0.010	7.02843	25.00000	Averaged
17	Chrysene	12680	13576	0.010	7.06402	25.00000	Averaged
18	Benzo(b)Fluoranthene	13877	15451	0.010	11.33907	25.00000	Averaged
19	Benzo(k)Fluoranthene	12526	12707	0.010	1.44200	25.00000	Averaged
20	Benzo(a)Pyrene	12599	13461	0.010	6.83818	25.00000	Averaged
21	Indeno(1,2,3-cd)Pyrene	13601	15130	0.010	11.23978	25.00000	Averaged
22	Dibenzo(a,h)Anthracene	11916	12452	0.010	4.49477	25.00000	Averaged
23	Benzo(g,h,i)Perylene	12460	13702	0.010	9.96750	25.00000	Averaged
4	2-Fluorobiphenyl	11847	12506	0.010	5.55590	25.00000	Averaged
6	2-Bromonaphthalene	8060	8563	0.010	6.24262	25.00000	Averaged
11	O-Terphenyl	13172	14191	0.010	7.73838	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3120.d
Report Date: 10-Jul-2014 13:32

Katahdin Analytical Services

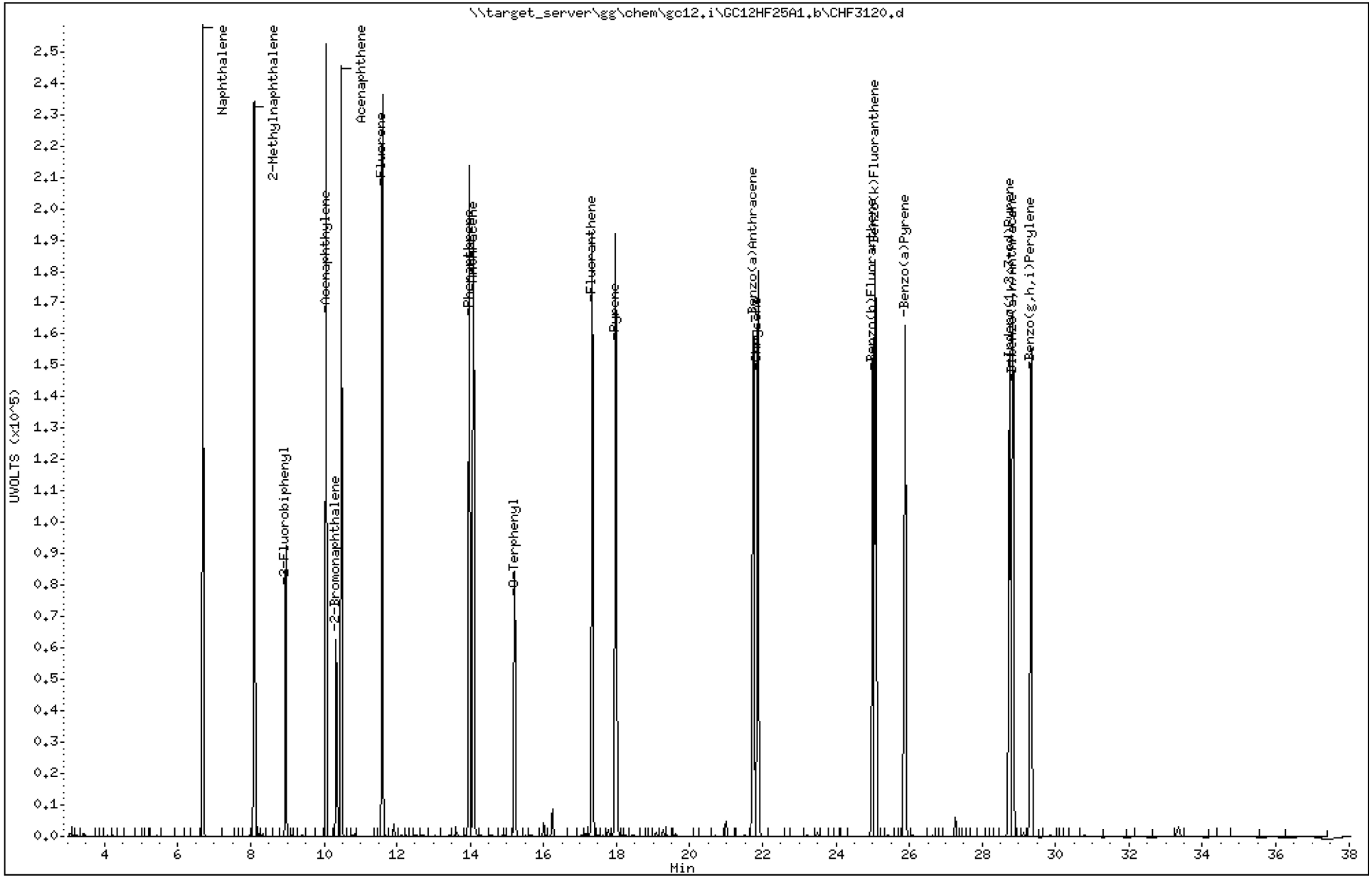
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Operator : AC Inst ID: gc12.i
Smp Info : WG145456-2,WE53-7
Misc Info : WG145456,WG145456,WG142382-3,SH4521-8
Comment :
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Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25A1.b\CHF3119.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	2 Naphthalene	6.695	6.718	-0.023	688449	50.0000	53.3	
	3 2-Methylnaphthalene	8.100	8.124	-0.024	683467	50.0000	53.4	
$	4 2-Fluorobiphenyl	8.956	8.982	-0.026	250110	20.0000	21.1	
	5 Acenaphthylene	10.053	10.080	-0.027	676895	50.0000	53.3	
$	6 2-Bromonaphthalene	10.335	10.364	-0.029	171264	20.0000	21.2	
	7 Acenaphthene	10.470	10.499	-0.029	695288	50.0000	53.5	
	8 Fluorene	11.609	11.638	-0.029	688249	50.0000	53.0	
	9 Phenanthrene	13.972	14.005	-0.033	695552	50.0000	54.1	
	10 Anthracene	14.089	14.081	0.008	619658	50.0000	54.0	
$	11 O-Terphenyl	15.209	15.185	0.024	283824	20.0000	21.5	
	12 Fluoranthene	17.343	17.377	-0.034	686271	50.0000	53.8	
	13 Pyrene	17.985	18.020	-0.035	703386	50.0000	54.0	
	16 Benzo(a)Anthracene	21.752	21.786	-0.034	673291	50.0000	53.5	
	17 Chrysene	21.879	21.914	-0.035	678787	50.0000	53.5	
	18 Benzo(b)Fluoranthene	25.010	25.001	0.009	772539	50.0000	55.7	
	19 Benzo(k)Fluoranthene	25.081	25.075	0.006	635339	50.0000	50.7	
	20 Benzo(a)Pyrene	25.882	25.916	-0.034	673052	50.0000	53.4	
	21 Indeno(1,2,3-cd)Pyrene	28.755	28.786	-0.031	756506	50.0000	55.6	
	22 Dibenzo(a,h)Anthracene	28.838	28.872	-0.034	622580	50.0000	52.2	
	23 Benzo(g,h,i)Perylene	29.342	29.373	-0.031	685107	50.0000	55.0	

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Date : 26-JUN-2014 05:55
Client ID:
Instrument: gc12.i
Sample Info: WG145456-2,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000177

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145456-3
Lab File ID : CHF3142.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/27/14 00:32
Instrument ID: GC12
Column ID: A

	Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
2	Naphthalene	12915	13637	0.010	5.59350	25.00000	Averaged
3	2-Methylnaphthalene	12793	13538	0.010	5.81870	25.00000	Averaged
5	Acenaphthylene	12695	13398	0.010	5.53942	25.00000	Averaged
7	Acenaphthene	13000	13761	0.010	5.85488	25.00000	Averaged
8	Fluorene	12977	13608	0.010	4.85909	25.00000	Averaged
9	Phenanthrene	12845	13755	0.010	7.08096	25.00000	Averaged
10	Anthracene	11484	12211	0.010	6.33726	25.00000	Averaged
12	Fluoranthene	12744	13577	0.010	6.53798	25.00000	Averaged
13	Pyrene	13036	13916	0.010	6.74632	25.00000	Averaged
16	Benzo(a)Anthracene	12582	13285	0.010	5.59108	25.00000	Averaged
17	Chrysene	12680	13430	0.010	5.91481	25.00000	Averaged
18	Benzo(b)Fluoranthene	13877	14751	0.010	6.29527	25.00000	Averaged
19	Benzo(k)Fluoranthene	12526	12996	0.010	3.74758	25.00000	Averaged
20	Benzo(a)Pyrene	12599	13346	0.010	5.92512	25.00000	Averaged
21	Indeno(1,2,3-cd)Pyrene	13601	14562	0.010	7.06020	25.00000	Averaged
22	Dibenzo(a,h)Anthracene	11916	12652	0.010	6.17923	25.00000	Averaged
23	Benzo(g,h,i)Perylene	12460	13485	0.010	8.22323	25.00000	Averaged
4	2-Fluorobiphenyl	11847	12396	0.010	4.63079	25.00000	Averaged
6	2-Bromonaphthalene	8060	8462	0.010	4.98332	25.00000	Averaged
11	O-Terphenyl	13172	14026	0.010	6.48078	25.00000	Averaged

*** = Compound out of QC criteria**

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Report Date: 10-Jul-2014 13:32

Katahdin Analytical Services

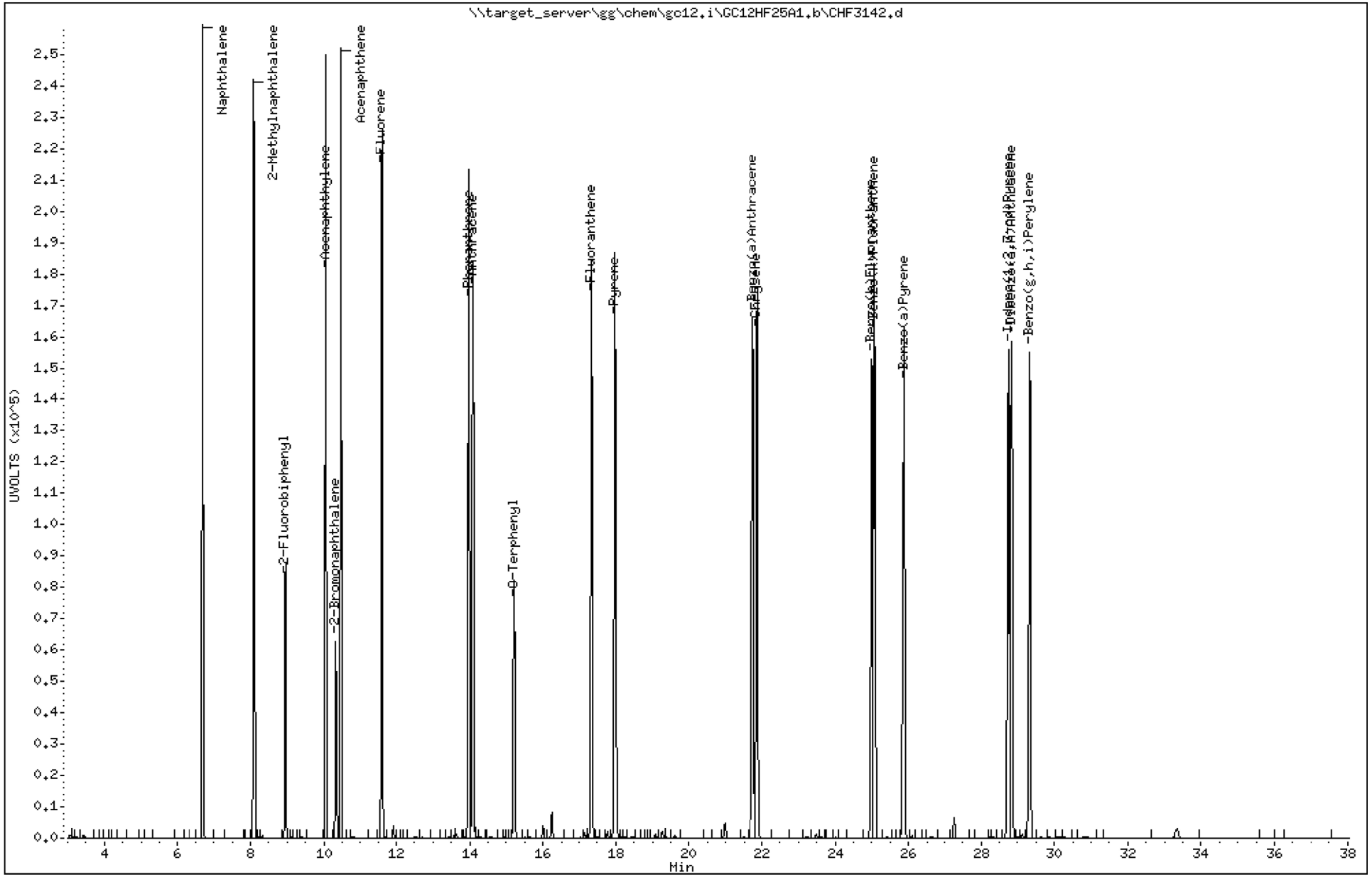
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Operator : AC Inst ID: gc12.i
Smp Info : WG145456-3,WE53-7
Misc Info : WG145456,WG145456,WG142382-3,SH4521-8
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Meth Date : 30-Jun-2014 07:25 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
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Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	2 Naphthalene	6.693	6.718	-0.025	681854	50.0000	52.8	
	3 2-Methylnaphthalene	8.097	8.124	-0.027	676876	50.0000	52.9	
$	4 2-Fluorobiphenyl	8.954	8.982	-0.028	247918	20.0000	20.9	
	5 Acenaphthylene	10.051	10.080	-0.029	669891	50.0000	52.8	
$	6 2-Bromonaphthalene	10.334	10.364	-0.030	169234	20.0000	21.0	
	7 Acenaphthene	10.469	10.499	-0.030	688067	50.0000	52.9	
	8 Fluorene	11.607	11.638	-0.031	680397	50.0000	52.4	
	9 Phenanthrene	13.971	14.005	-0.034	687743	50.0000	53.5	
	10 Anthracene	14.087	14.081	0.006	610565	50.0000	53.2	
$	11 O-Terphenyl	15.209	15.185	0.024	280511	20.0000	21.3	
	12 Fluoranthene	17.341	17.377	-0.036	678848	50.0000	53.3	
	13 Pyrene	17.983	18.020	-0.037	695795	50.0000	53.4	
	16 Benzo(a)Anthracene	21.748	21.786	-0.038	664249	50.0000	52.8	
	17 Chrysene	21.876	21.914	-0.038	671501	50.0000	53.0	
	18 Benzo(b)Fluoranthene	25.005	25.001	0.004	737542	50.0000	53.1	
	19 Benzo(k)Fluoranthene	25.077	25.075	0.002	649779	50.0000	51.9	
	20 Benzo(a)Pyrene	25.877	25.916	-0.039	667300	50.0000	53.0	
	21 Indeno(1,2,3-cd)Pyrene	28.747	28.786	-0.039	728082	50.0000	53.5	
	22 Dibenzo(a,h)Anthracene	28.832	28.872	-0.040	632616	50.0000	53.1	
	23 Benzo(g,h,i)Perylene	29.334	29.373	-0.039	674240	50.0000	54.1	

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Client ID:
Instrument: gc12.i
Sample Info: WG145456-3,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000180

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145456-4
Lab File ID : CHF3164.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/27/14 17:11
Instrument ID: GC12
Column ID: A

Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
2 Naphthalene	12915	14518	0.010	12.41426	25.00000	Averaged
3 2-Methylnaphthalene	12793	14398	0.010	12.54278	25.00000	Averaged
5 Acenaphthylene	12695	14241	0.010	12.18129	25.00000	Averaged
7 Acenaphthene	13000	14638	0.010	12.59832	25.00000	Averaged
8 Fluorene	12977	14494	0.010	11.69007	25.00000	Averaged
9 Phenanthrene	12845	14647	0.010	14.02716	25.00000	Averaged
10 Anthracene	11484	13003	0.010	13.23216	25.00000	Averaged
12 Fluoranthene	12744	14455	0.010	13.42761	25.00000	Averaged
13 Pyrene	13036	14820	0.010	13.68427	25.00000	Averaged
16 Benzo(a)Anthracene	12582	14186	0.010	12.75539	25.00000	Averaged
17 Chrysene	12680	14290	0.010	12.69335	25.00000	Averaged
18 Benzo(b)Fluoranthene	13877	15152	0.010	9.18835	25.00000	Averaged
19 Benzo(k)Fluoranthene	12526	14441	0.010	15.28520	25.00000	Averaged
20 Benzo(a)Pyrene	12599	14234	0.010	12.97177	25.00000	Averaged
21 Indeno(1,2,3-cd)Pyrene	13601	15281	0.010	12.35261	25.00000	Averaged
22 Dibenzo(a,h)Anthracene	11916	13741	0.010	15.31132	25.00000	Averaged
23 Benzo(g,h,i)Perylene	12460	14385	0.010	15.44833	25.00000	Averaged
4 2-Fluorobiphenyl	11847	13205	0.010	11.46021	25.00000	Averaged
6 2-Bromonaphthalene	8060	8988	0.010	11.51492	25.00000	Averaged
11 O-Terphenyl	13172	14941	0.010	13.43384	25.00000	Averaged

*** = Compound out of QC criteria**

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Report Date: 10-Jul-2014 13:32

Katahdin Analytical Services

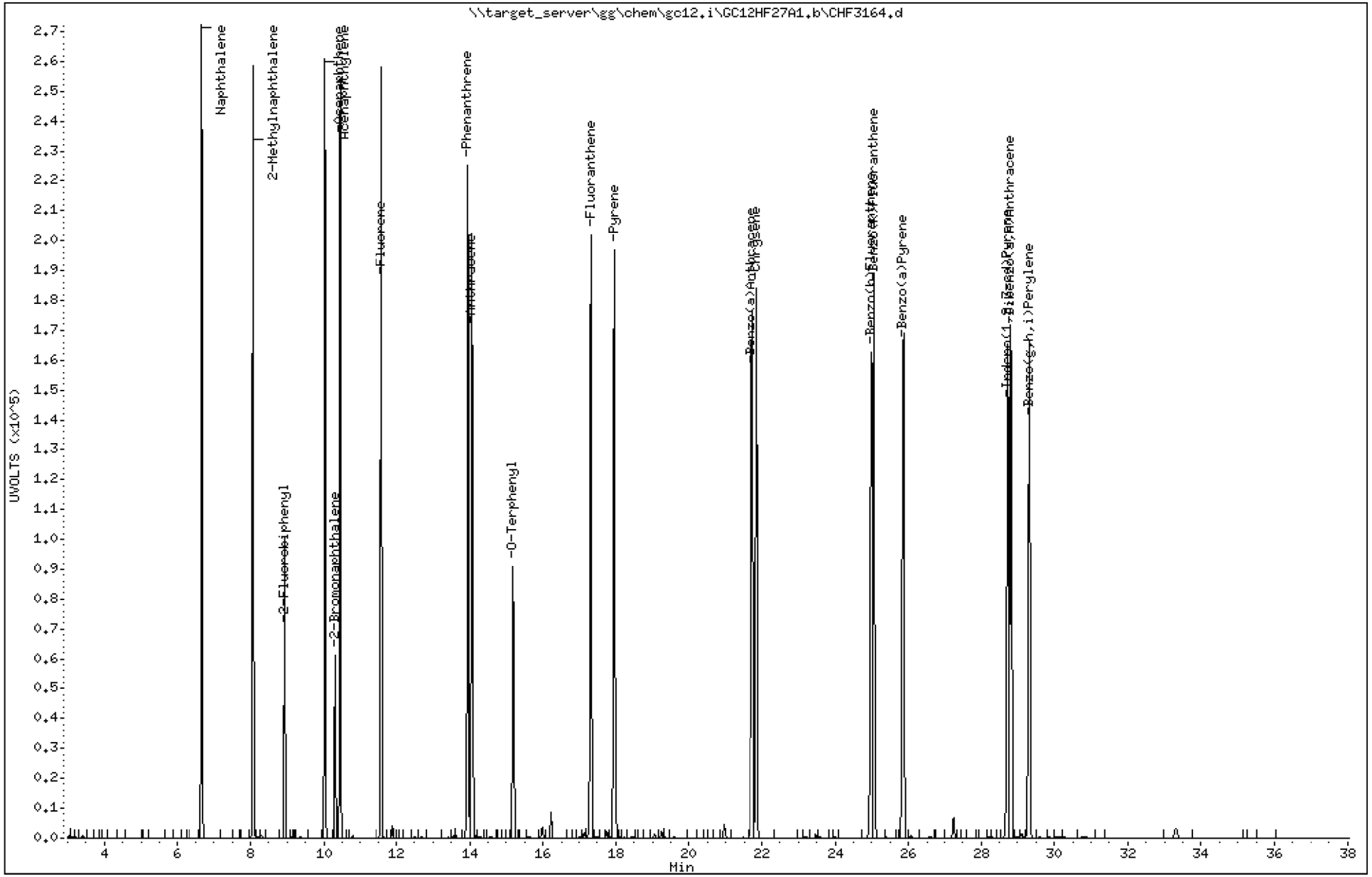
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Inj Date : 27-JUN-2014 17:11
Operator : AC Inst ID: gc12.i
Smp Info : WG145456-4,WE53-7
Misc Info : WG145456,WG145456,WG142382-3,SH4521-8
Comment :
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Meth Date : 30-Jun-2014 08:08 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF27A1.b\CHF3163.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
	2 Naphthalene	6.668	6.718	-0.050	725898	50.0000	56.2	
	3 2-Methylnaphthalene	8.075	8.124	-0.049	719887	50.0000	56.3	
$	4 2-Fluorobiphenyl	8.932	8.932	0.000	264100	20.0000	22.3	
	5 Acenaphthylene	10.028	10.080	-0.052	712049	50.0000	56.1	
$	6 2-Bromonaphthalene	10.312	10.312	0.000	179763	20.0000	22.3	
	7 Acenaphthene	10.448	10.448	0.000	731900	50.0000	56.3	
	8 Fluorene	11.585	11.585	0.000	724721	50.0000	55.8	
	9 Phenanthrene	13.947	14.005	-0.058	732356	50.0000	57.0	
	10 Anthracene	14.064	14.081	-0.017	650154	50.0000	56.6	
$	11 O-Terphenyl	15.186	15.186	0.000	298828	20.0000	22.7	
	12 Fluoranthene	17.320	17.377	-0.057	722748	50.0000	56.7	
	13 Pyrene	17.962	18.020	-0.058	741018	50.0000	56.8	
	16 Benzo(a)Anthracene	21.730	21.786	-0.056	709318	50.0000	56.4	
	17 Chrysene	21.857	21.914	-0.057	714477	50.0000	56.3	
	18 Benzo(b)Fluoranthene	24.987	25.001	-0.014	757616	50.0000	54.6	
	19 Benzo(k)Fluoranthene	25.060	25.075	-0.015	722040	50.0000	57.6	
	20 Benzo(a)Pyrene	25.860	25.916	-0.056	711692	50.0000	56.5	
	21 Indeno(1,2,3-cd)Pyrene	28.731	28.731	0.000	764074	50.0000	56.2	
	22 Dibenzo(a,h)Anthracene	28.816	28.816	0.000	687025	50.0000	57.6	
	23 Benzo(g,h,i)Perylene	29.319	29.373	-0.054	719253	50.0000	57.7	

Data File: \\target_server\gg\chem\gc12.i\GC12HF27A1.b\CHF3164.d
Date : 27-JUN-2014 17:11
Client ID:
Instrument: gc12.i
Sample Info: WG145456-4,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000183

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG146138-1
Lab File ID : CHG1053.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 07/07/14 10:46
Instrument ID: GC12
Column ID: A

	Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
2	Naphthalene	12915	13621	0.010	5.47240	25.00000	Averaged
3	2-Methylnaphthalene	12793	13506	0.010	5.56872	25.00000	Averaged
5	Acenaphthylene	12695	13315	0.010	4.89001	25.00000	Averaged
7	Acenaphthene	13000	13714	0.010	5.48889	25.00000	Averaged
8	Fluorene	12977	13551	0.010	4.41725	25.00000	Averaged
9	Phenanthrene	12845	13694	0.010	6.60701	25.00000	Averaged
10	Anthracene	11484	11908	0.010	3.70010	25.00000	Averaged
12	Fluoranthene	12744	13500	0.010	5.93502	25.00000	Averaged
13	Pyrene	13036	13838	0.010	6.14999	25.00000	Averaged
16	Benzo(a)Anthracene	12582	13195	0.010	4.87797	25.00000	Averaged
17	Chrysene	12680	13293	0.010	4.83673	25.00000	Averaged
18	Benzo(b)Fluoranthene	13877	15018	0.010	8.22145	25.00000	Averaged
19	Benzo(k)Fluoranthene	12526	12440	0.010	-0.68667	25.00000	Averaged
20	Benzo(a)Pyrene	12599	13156	0.010	4.41823	25.00000	Averaged
21	Indeno(1,2,3-cd)Pyrene	13601	14696	0.010	8.04863	25.00000	Averaged
22	Dibenzo(a,h)Anthracene	11916	12207	0.010	2.44593	25.00000	Averaged
23	Benzo(g,h,i)Perylene	12460	13363	0.010	7.24539	25.00000	Averaged
4	2-Fluorobiphenyl	11847	12361	0.010	4.33958	25.00000	Averaged
6	2-Bromonaphthalene	8060	8435	0.010	4.65640	25.00000	Averaged
11	O-Terphenyl	13172	14023	0.010	6.46294	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1053.d
Report Date: 10-Jul-2014 13:57

Katahdin Analytical Services

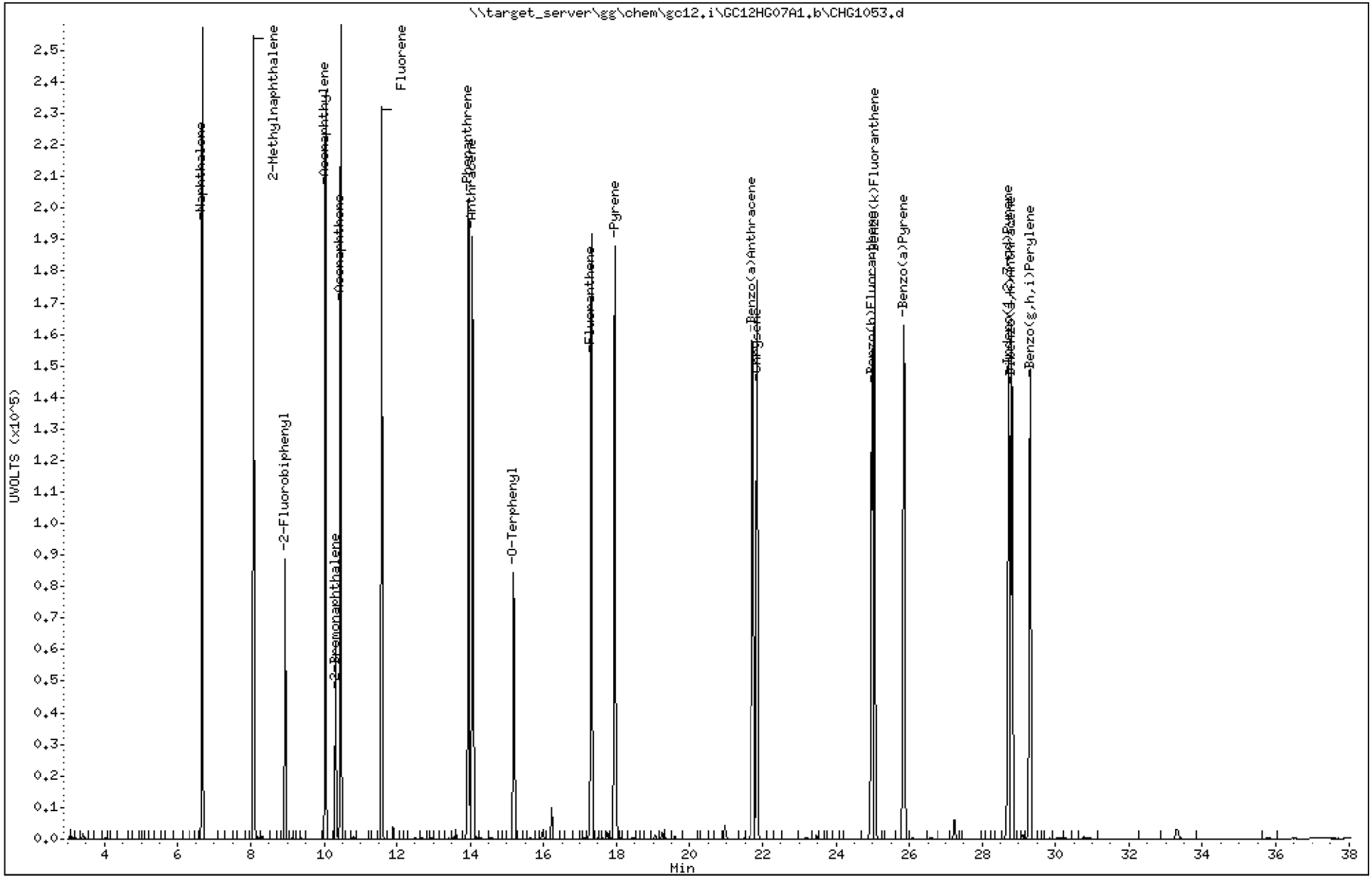
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Lab Smp Id: WG146138-1
Inj Date : 07-JUL-2014 10:46
Operator : AC Inst ID: gc12.i
Smp Info : WG146138-1,WE53-7
Misc Info : WG146138,WG146138,WG142382-3,SH4521-18
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HG07A1.b\AROA060A.m
Meth Date : 10-Jul-2014 09:41 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1052.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
2	Naphthalene	6.677	6.732	-0.055	681072	50.0000	52.7	
3	2-Methylnaphthalene	8.081	8.137	-0.056	675277	50.0000	52.8	
$ 4	2-Fluorobiphenyl	8.937	8.992	-0.055	247228	20.0000	20.9	
5	Acenaphthylene	10.036	10.090	-0.054	665769	50.0000	52.4	
$ 6	2-Bromonaphthalene	10.318	10.372	-0.054	168707	20.0000	20.9	
7	Acenaphthene	10.453	10.507	-0.054	685688	50.0000	52.7	
8	Fluorene	11.590	11.644	-0.054	677530	50.0000	52.2	
9	Phenanthrene	13.951	14.008	-0.057	684699	50.0000	53.3	
10	Anthracene	14.066	14.123	-0.057	595423	50.0000	51.8	
$ 11	O-Terphenyl	15.188	15.242	-0.054	280464	20.0000	21.3	
12	Fluoranthene	17.319	17.376	-0.057	675006	50.0000	53.0	
13	Pyrene	17.960	18.019	-0.059	691908	50.0000	53.1	
16	Benzo(a)Anthracene	21.726	21.781	-0.055	659763	50.0000	52.4	
17	Chrysene	21.852	21.908	-0.056	664666	50.0000	52.4	
18	Benzo(b)Fluoranthene	24.983	25.036	-0.053	750907	50.0000	54.1	
19	Benzo(k)Fluoranthene	25.054	25.108	-0.054	622007	50.0000	49.6	
20	Benzo(a)Pyrene	25.854	25.907	-0.053	657807	50.0000	52.2	
21	Indeno(1,2,3-cd)Pyrene	28.728	28.776	-0.048	734804	50.0000	54.0	
22	Dibenzo(a,h)Anthracene	28.811	28.860	-0.049	610373	50.0000	51.2	
23	Benzo(g,h,i)Perylene	29.314	29.364	-0.050	668148	50.0000	53.6	

Data File: \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1053.d
Date : 07-JUL-2014 10:46
Client ID:
Instrument: gc12.i
Sample Info: WG146138-1,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000186

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG146138-2
Lab File ID : CHG1076.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 07/08/14 04:12
Instrument ID: GC12
Column ID: A

	Compound	$\overline{\text{RRF}}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
2	Naphthalene	12915	14363	0.010	11.21423	25.00000	Averaged
3	2-Methylnaphthalene	12793	14261	0.010	11.47361	25.00000	Averaged
5	Acenaphthylene	12695	14036	0.010	10.56328	25.00000	Averaged
7	Acenaphthene	13000	14498	0.010	11.51895	25.00000	Averaged
8	Fluorene	12977	14349	0.010	10.57228	25.00000	Averaged
9	Phenanthrene	12845	14524	0.010	13.06946	25.00000	Averaged
10	Anthracene	11484	12455	0.010	8.45838	25.00000	Averaged
12	Fluoranthene	12744	14330	0.010	12.44878	25.00000	Averaged
13	Pyrene	13036	14692	0.010	12.69642	25.00000	Averaged
16	Benzo(a)Anthracene	12582	14025	0.010	11.47049	25.00000	Averaged
17	Chrysene	12680	14158	0.010	11.65770	25.00000	Averaged
18	Benzo(b)Fluoranthene	13877	15408	0.010	11.03080	25.00000	Averaged
19	Benzo(k)Fluoranthene	12526	13891	0.010	10.89917	25.00000	Averaged
20	Benzo(a)Pyrene	12599	14062	0.010	11.60521	25.00000	Averaged
21	Indeno(1,2,3-cd)Pyrene	13601	15552	0.010	14.34315	25.00000	Averaged
22	Dibenzo(a,h)Anthracene	11916	13197	0.010	10.74922	25.00000	Averaged
23	Benzo(g,h,i)Perylene	12460	14236	0.010	14.24947	25.00000	Averaged
4	2-Fluorobiphenyl	11847	13071	0.010	10.32788	25.00000	Averaged
6	2-Bromonaphthalene	8060	8938	0.010	10.88713	25.00000	Averaged
11	O-Terphenyl	13172	14865	0.010	12.85305	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1076.d
Report Date: 10-Jul-2014 13:57

Katahdin Analytical Services

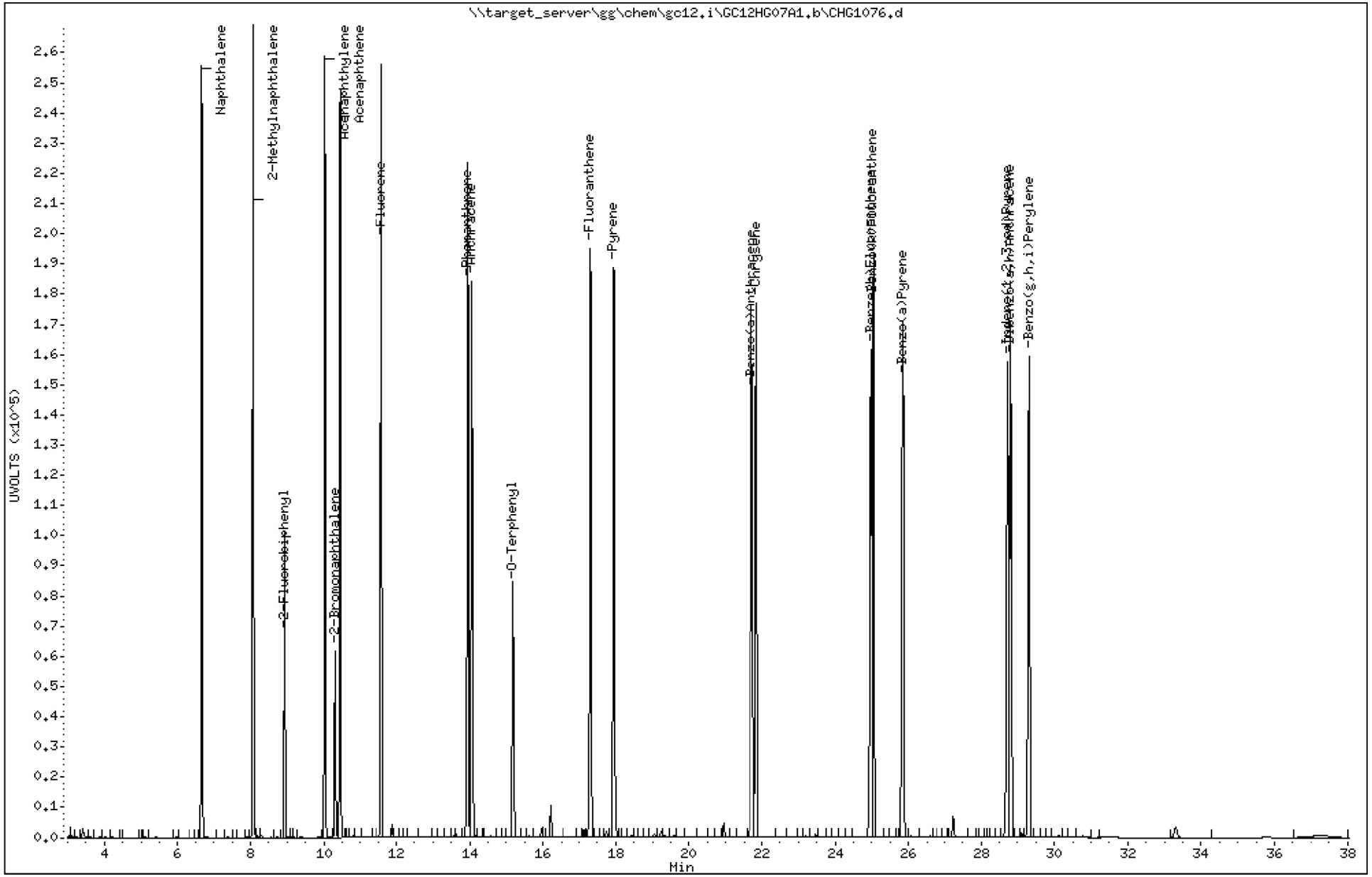
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Lab Smp Id: WG146138-2
Inj Date : 08-JUL-2014 04:12
Operator : AC Inst ID: gc12.i
Smp Info : WG146138-2,WE53-7
Misc Info : WG146138,WG146138,WG142382-3,SH4521-18
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HG07A1.b\AROA060A.m
Meth Date : 10-Jul-2014 09:41 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1075.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
2	Naphthalene	6.671	6.732	-0.061	718149	50.0000	55.6	
3	2-Methylnaphthalene	8.077	8.137	-0.060	713048	50.0000	55.7	
$ 4	2-Fluorobiphenyl	8.932	8.992	-0.060	261417	20.0000	22.1	
5	Acenaphthylene	10.028	10.090	-0.062	701779	50.0000	55.3	
$ 6	2-Bromonaphthalene	10.311	10.372	-0.061	178751	20.0000	22.2	
7	Acenaphthene	10.447	10.507	-0.060	724884	50.0000	55.8	
8	Fluorene	11.584	11.644	-0.060	717468	50.0000	55.3	
9	Phenanthrene	13.944	14.008	-0.064	726205	50.0000	56.5	
10	Anthracene	14.059	14.123	-0.064	622744	50.0000	54.2	
$ 11	O-Terphenyl	15.180	15.242	-0.062	297298	20.0000	22.6	
12	Fluoranthene	17.310	17.376	-0.066	716511	50.0000	56.2	
13	Pyrene	17.953	18.019	-0.066	734579	50.0000	56.3	
16	Benzo(a)Anthracene	21.719	21.781	-0.062	701235	50.0000	55.7	
17	Chrysene	21.846	21.908	-0.062	707911	50.0000	55.8	
18	Benzo(b)Fluoranthene	24.976	25.036	-0.060	770400	50.0000	55.5	
19	Benzo(k)Fluoranthene	25.049	25.108	-0.059	694570	50.0000	55.4	
20	Benzo(a)Pyrene	25.850	25.907	-0.057	703083	50.0000	55.8	
21	Indeno(1,2,3-cd)Pyrene	28.725	28.776	-0.051	777611	50.0000	57.2	
22	Dibenzo(a,h)Anthracene	28.809	28.860	-0.051	659844	50.0000	55.4	
23	Benzo(g,h,i)Perylene	29.312	29.364	-0.052	711784	50.0000	57.1	

Data File: \\target_server\gg\chem\gc12.i\GC12HG07A1.b\CHG1076.d
Date : 08-JUL-2014 04:12
Client ID:
Instrument: gc12.i
Sample Info: WG146138-2,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000189

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145269-9
Lab File ID : CHF4033.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/23/14 11:08
Instrument ID: GC12
Column ID: A

	Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
1	C9-C18 Aliphatic	12193	12962	0.010	6.30500	25.00000	Averaged
2	C19-C36 Aliphatic	12277	13066	0.010	6.42559	25.00000	Averaged
3	C-9	11903	12692	0.010	6.62819	30.00000	Averaged
4	C-10	12688	12952	0.010	2.08153	25.00000	Averaged
5	C-12	12048	12873	0.010	6.84071	25.00000	Averaged
7	C-14	12086	12988	0.010	7.46133	25.00000	Averaged
8	C-16	12200	13096	0.010	7.34923	25.00000	Averaged
9	C-18	12235	13172	0.010	7.66003	25.00000	Averaged
10	C-19	12120	13086	0.010	7.96871	25.00000	Averaged
11	C-20	12199	13125	0.010	7.58897	25.00000	Averaged
13	C-22	12294	13255	0.010	7.82033	25.00000	Averaged
14	C-24	12365	13403	0.010	8.39601	25.00000	Averaged
15	C-26	12289	13253	0.010	7.84172	25.00000	Averaged
16	C-28	12343	13244	0.010	7.29956	25.00000	Averaged
18	C-30	12303	13158	0.010	6.94453	25.00000	Averaged
19	C-36	12306	12007	0.010	-2.42926	25.00000	Averaged
44	5-alpha androstane	12878	13762	0.010	6.86616	25.00000	Averaged

*** = Compound out of QC criteria**

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4033.d
Report Date: 10-Jul-2014 13:52

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4033.d
Lab Smp Id: WG145269-9
Inj Date : 23-JUN-2014 11:08
Operator : AC Inst ID: gc12.i
Smp Info : WG145269-9,WE53-7
Misc Info : WG145269,WG145269,WG142382-9,SH4401-2
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4075.d
Target Version: 4.12
Processing Host: T8-D4700

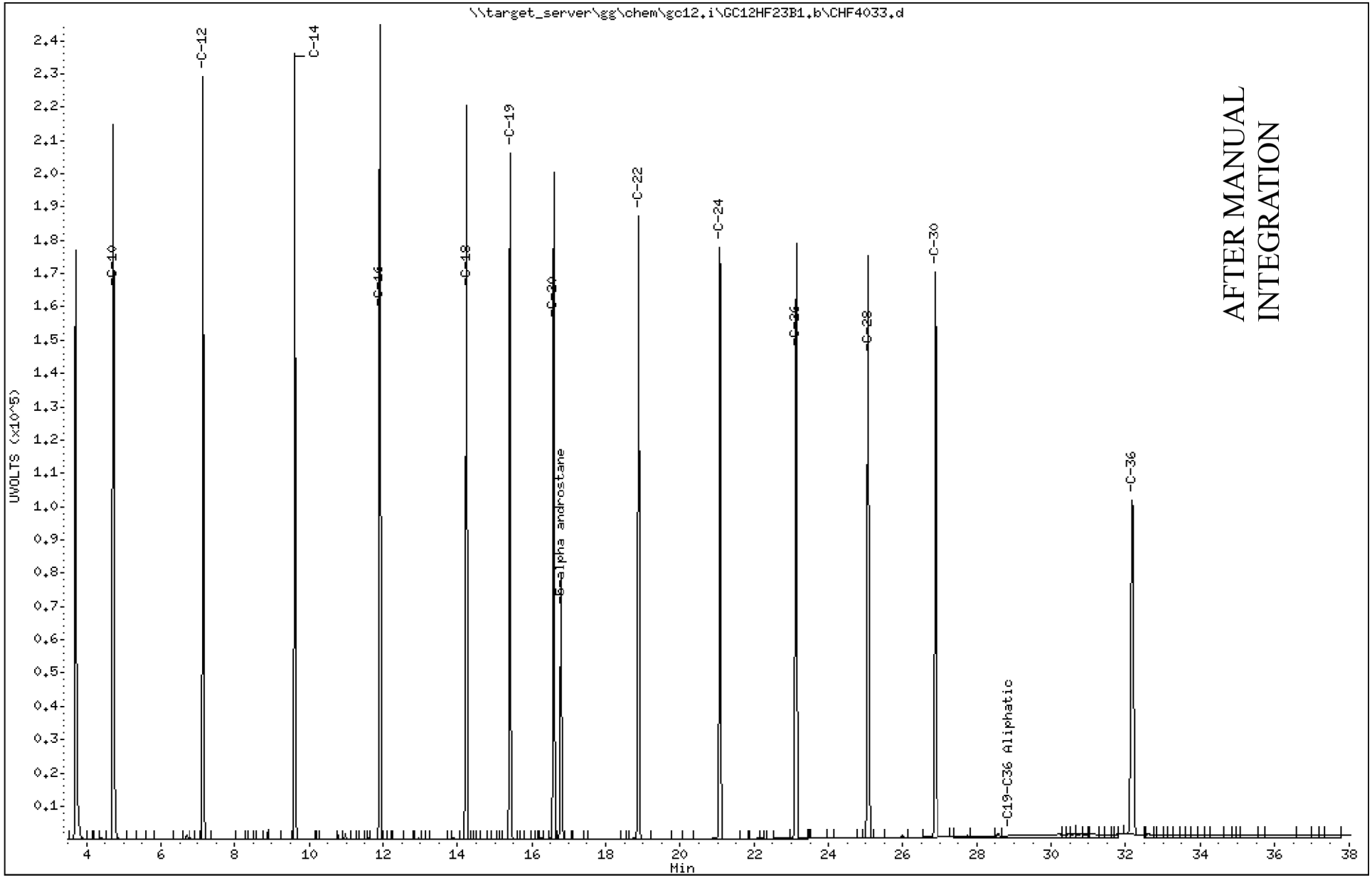
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)		REVIEW CODE
3	C-9	3.706	3.700	0.006	634583	50.0000	53.3		
4	C-10	4.718	4.722	-0.004	647593	50.0000	51.0		
5	C-12	7.153	7.173	-0.020	643629	50.0000	53.4		
7	C-14	9.618	9.647	-0.029	649394	50.0000	53.7		
8	C-16	11.919	11.951	-0.032	654810	50.0000	53.7		
9	C-18	14.239	14.277	-0.038	658596	50.0000	53.8		
$ 44	5-alpha androstane	16.784	16.782	0.002	275234	20.0000	21.4		
10	C-19	15.413	15.455	-0.042	654316	50.0000	54.0		
11	C-20	16.585	16.630	-0.045	656229	50.0000	53.8		
13	C-22	18.882	18.933	-0.051	662757	50.0000	53.9		
14	C-24	21.071	21.127	-0.056	670158	50.0000	54.2		
15	C-26	23.132	23.200	-0.068	662659	50.0000	53.9		
16	C-28	25.066	25.133	-0.067	662184	50.0000	53.6		
18	C-30	26.880	26.945	-0.065	657879	50.0000	53.5	(M)	
19	C-36	32.173	32.283	-0.110	600372	50.0000	48.8	(M)	M5
M 1	C9-C18 Aliphatic				3888605	300.000	319		
M 2	C19-C36 Aliphatic				5226554	400.000	426		

AC
10:14 am, Jul 14, 2014

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4033.d
Date : 23-JUN-2014 11:08
Client ID:
Instrument: gc12.i
Sample Info: WG145269-9,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000192



Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4033.d
Injection Date: 23-JUN-2014 11:08
Instrument: gc12.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145269-10
Lab File ID : CHF4057.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/24/14 05:29
Instrument ID: GC12
Column ID: A

	Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
1	C9-C18 Aliphatic	12193	12910	0.010	5.87895	25.00000	Averaged
2	C19-C36 Aliphatic	12277	13283	0.010	8.19025	25.00000	Averaged
3	C-9	11903	12600	0.010	5.85542	30.00000	Averaged
4	C-10	12688	12757	0.010	0.54761	25.00000	Averaged
5	C-12	12048	12841	0.010	6.58159	25.00000	Averaged
7	C-14	12086	12965	0.010	7.27037	25.00000	Averaged
8	C-16	12200	13106	0.010	7.42956	25.00000	Averaged
9	C-18	12235	13191	0.010	7.81826	25.00000	Averaged
10	C-19	12120	13180	0.010	8.73799	25.00000	Averaged
11	C-20	12199	13176	0.010	8.01279	25.00000	Averaged
13	C-22	12294	13305	0.010	8.22444	25.00000	Averaged
14	C-24	12365	13404	0.010	8.40652	25.00000	Averaged
15	C-26	12289	13318	0.010	8.37225	25.00000	Averaged
16	C-28	12343	13391	0.010	8.49589	25.00000	Averaged
18	C-30	12303	13362	0.010	8.60881	25.00000	Averaged
19	C-36	12306	13127	0.010	6.66878	25.00000	Averaged
44	5-alpha androstane	12878	13861	0.010	7.63882	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4057.d
Report Date: 10-Jul-2014 13:54

Katahdin Analytical Services

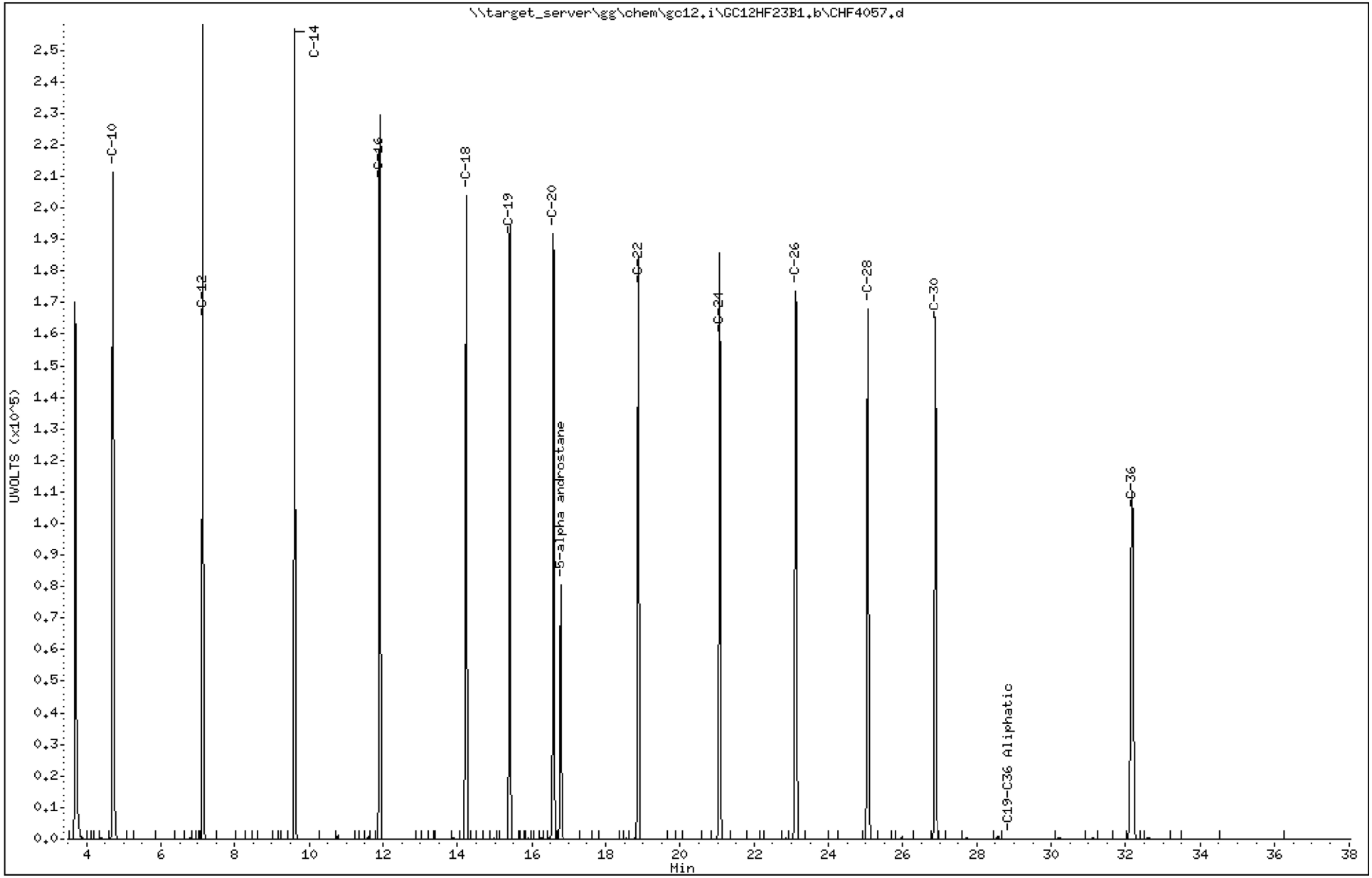
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Inj Date : 24-JUN-2014 05:29
Operator : AC Inst ID: gc12.i
Smp Info : WG145269-10,WE53-7
Misc Info : WG145269,WG145269,WG142382-9,SH4401-2
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4056.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
3	C-9	3.698	3.700	-0.002	629984	50.0000	52.9	
4	C-10	4.710	4.722	-0.012	637862	50.0000	50.3	
5	C-12	7.146	7.173	-0.027	642068	50.0000	53.3	
7	C-14	9.614	9.647	-0.033	648240	50.0000	53.6	
8	C-16	11.915	11.951	-0.036	655300	50.0000	53.7	
9	C-18	14.232	14.277	-0.045	659564	50.0000	53.9	
$ 44	5-alpha androstane	16.775	16.782	-0.007	277224	20.0000	21.5	
10	C-19	15.407	15.455	-0.048	658978	50.0000	54.4	
11	C-20	16.578	16.630	-0.052	658814	50.0000	54.0	
13	C-22	18.875	18.933	-0.058	665241	50.0000	54.1	
14	C-24	21.064	21.127	-0.063	670223	50.0000	54.2	
15	C-26	23.125	23.200	-0.075	665919	50.0000	54.2	
16	C-28	25.060	25.133	-0.073	669567	50.0000	54.2	
18	C-30	26.873	26.945	-0.072	668117	50.0000	54.3	
19	C-36	32.172	32.283	-0.111	656354	50.0000	53.3	
M 1	C9-C18 Aliphatic				3873018	300.000	318	
M 2	C19-C36 Aliphatic				5313213	400.000	433	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4057.d
Date : 24-JUN-2014 05:29
Client ID:
Instrument: gc12.i
Sample Info: WG145269-10,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000196

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145456-8
Lab File ID : CHF4120.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/26/14 05:55
Instrument ID: GC12
Column ID: A

Compound	$\overline{\text{RRF}}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
1 C9-C18 Aliphatic	12193	13464	0.010	10.42017	25.00000	Averaged
2 C19-C36 Aliphatic	12277	13816	0.010	12.52928	25.00000	Averaged
3 C-9	11903	13173	0.010	10.66911	30.00000	Averaged
4 C-10	12688	13336	0.010	5.11296	25.00000	Averaged
5 C-12	12048	13379	0.010	11.04061	25.00000	Averaged
7 C-14	12086	13509	0.010	11.77108	25.00000	Averaged
8 C-16	12200	13651	0.010	11.89740	25.00000	Averaged
9 C-18	12235	13735	0.010	12.26331	25.00000	Averaged
10 C-19	12120	13663	0.010	12.72430	25.00000	Averaged
11 C-20	12199	13681	0.010	12.15024	25.00000	Averaged
13 C-22	12294	13804	0.010	12.28423	25.00000	Averaged
14 C-24	12365	13907	0.010	12.46799	25.00000	Averaged
15 C-26	12289	13827	0.010	12.50766	25.00000	Averaged
16 C-28	12343	13907	0.010	12.67293	25.00000	Averaged
18 C-30	12303	13827	0.010	12.38719	25.00000	Averaged
19 C-36	12306	13911	0.010	13.03896	25.00000	Averaged
44 5-alpha androstane	12878	14381	0.010	11.67842	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4120.d
Report Date: 10-Jul-2014 13:59

Katahdin Analytical Services

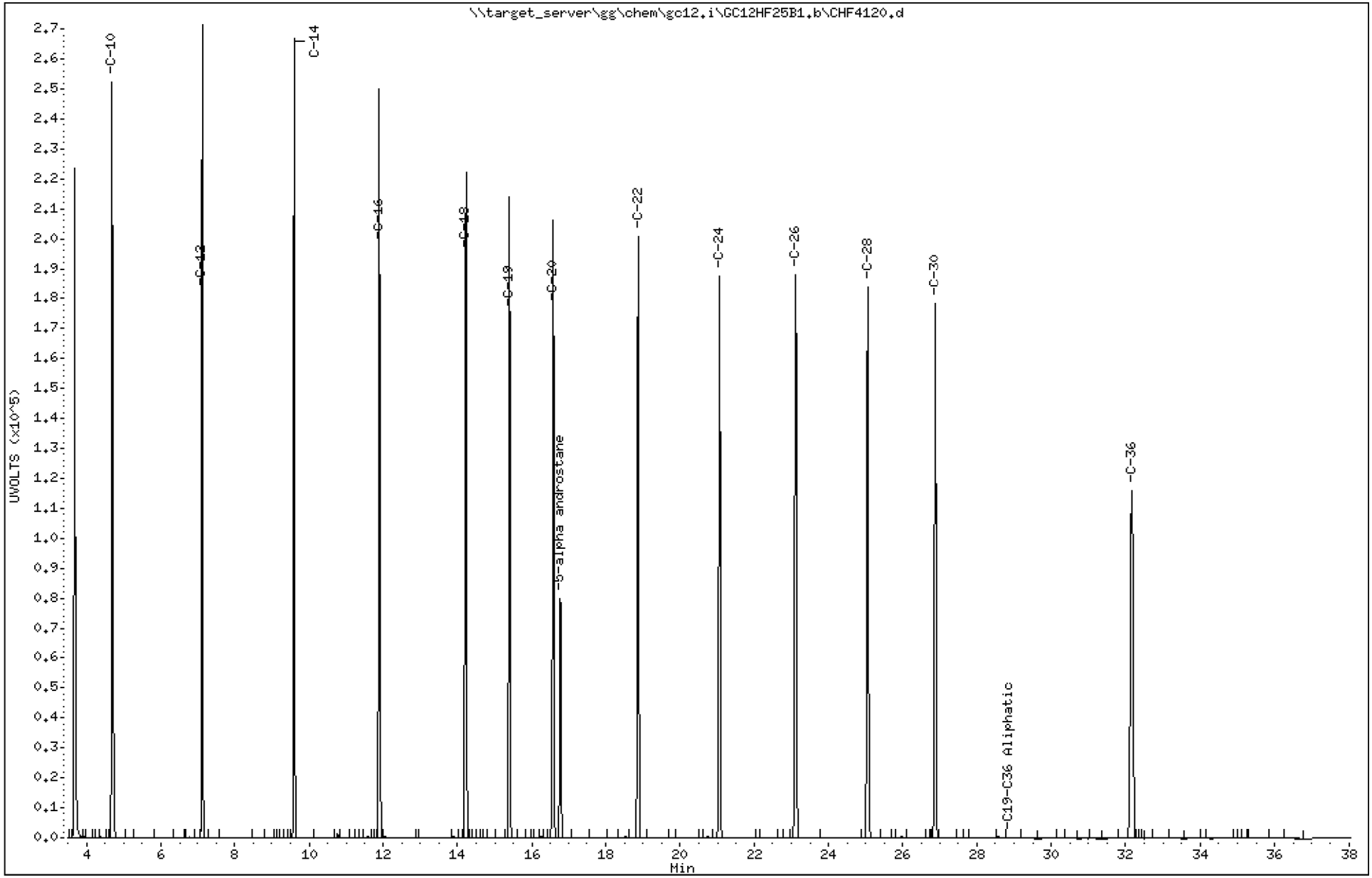
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Lab Smp Id: WG145456-8
Inj Date : 26-JUN-2014 05:55
Operator : AC   Inst ID: gc12.i
Smp Info : WG145456-8,WE53-7
Misc Info : WG145456,WG145456,WG142382-9,SH4521-8
Comment   :
Method   : \\target_server\gg\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 10-Jul-2014 13:59 acronin   Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23   Cal File: CHE2016.d
Als bottle: 1   Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie   Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4119.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
3	C-9	3.680	3.700	-0.020	658632	50.0000	55.3	
4	C-10	4.693	4.722	-0.029	666824	50.0000	52.6	
5	C-12	7.132	7.173	-0.041	668930	50.0000	55.5	
7	C-14	9.601	9.647	-0.046	675438	50.0000	55.9	
8	C-16	11.903	11.951	-0.048	682553	50.0000	55.9	
9	C-18	14.222	14.277	-0.055	686756	50.0000	56.1	
$ 44	5-alpha androstane	16.765	16.782	-0.017	287628	20.0000	22.3	
10	C-19	15.397	15.455	-0.058	683136	50.0000	56.4	
11	C-20	16.570	16.630	-0.060	684050	50.0000	56.1	
13	C-22	18.867	18.933	-0.066	690196	50.0000	56.1	
14	C-24	21.057	21.127	-0.070	695333	50.0000	56.2	
15	C-26	23.120	23.200	-0.080	691330	50.0000	56.2	
16	C-28	25.054	25.133	-0.079	695345	50.0000	56.3	
18	C-30	26.868	26.945	-0.077	691360	50.0000	56.2	
19	C-36	32.164	32.164	0.000	695551	50.0000	56.5	
M 1	C9-C18 Aliphatic				4039133	300.000	331	
M 2	C19-C36 Aliphatic				5526301	400.000	450	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4120.d
Date : 26-JUN-2014 05:55
Client ID:
Instrument: gc12.i
Sample Info: WG145456-8,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000199

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145456-9
Lab File ID : CHF4142.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/27/14 00:32
Instrument ID: GC12
Column ID: A

	Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
1	C9-C18 Aliphatic	12193	13456	0.010	10.35968	25.00000	Averaged
2	C19-C36 Aliphatic	12277	13802	0.010	12.41435	25.00000	Averaged
3	C-9	11903	13133	0.010	10.33641	30.00000	Averaged
4	C-10	12688	13322	0.010	5.00199	25.00000	Averaged
5	C-12	12048	13380	0.010	11.04891	25.00000	Averaged
7	C-14	12086	13519	0.010	11.85250	25.00000	Averaged
8	C-16	12200	13654	0.010	11.92412	25.00000	Averaged
9	C-18	12235	13730	0.010	12.22506	25.00000	Averaged
10	C-19	12120	13674	0.010	12.81588	25.00000	Averaged
11	C-20	12199	13672	0.010	12.07777	25.00000	Averaged
13	C-22	12294	13786	0.010	12.14107	25.00000	Averaged
14	C-24	12365	13907	0.010	12.47009	25.00000	Averaged
15	C-26	12289	13803	0.010	12.31319	25.00000	Averaged
16	C-28	12343	13869	0.010	12.36279	25.00000	Averaged
18	C-30	12303	13835	0.010	12.44896	25.00000	Averaged
19	C-36	12306	13868	0.010	12.68809	25.00000	Averaged
44	5-alpha androstane	12878	14378	0.010	11.65008	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4142.d
Report Date: 10-Jul-2014 13:54

Katahdin Analytical Services

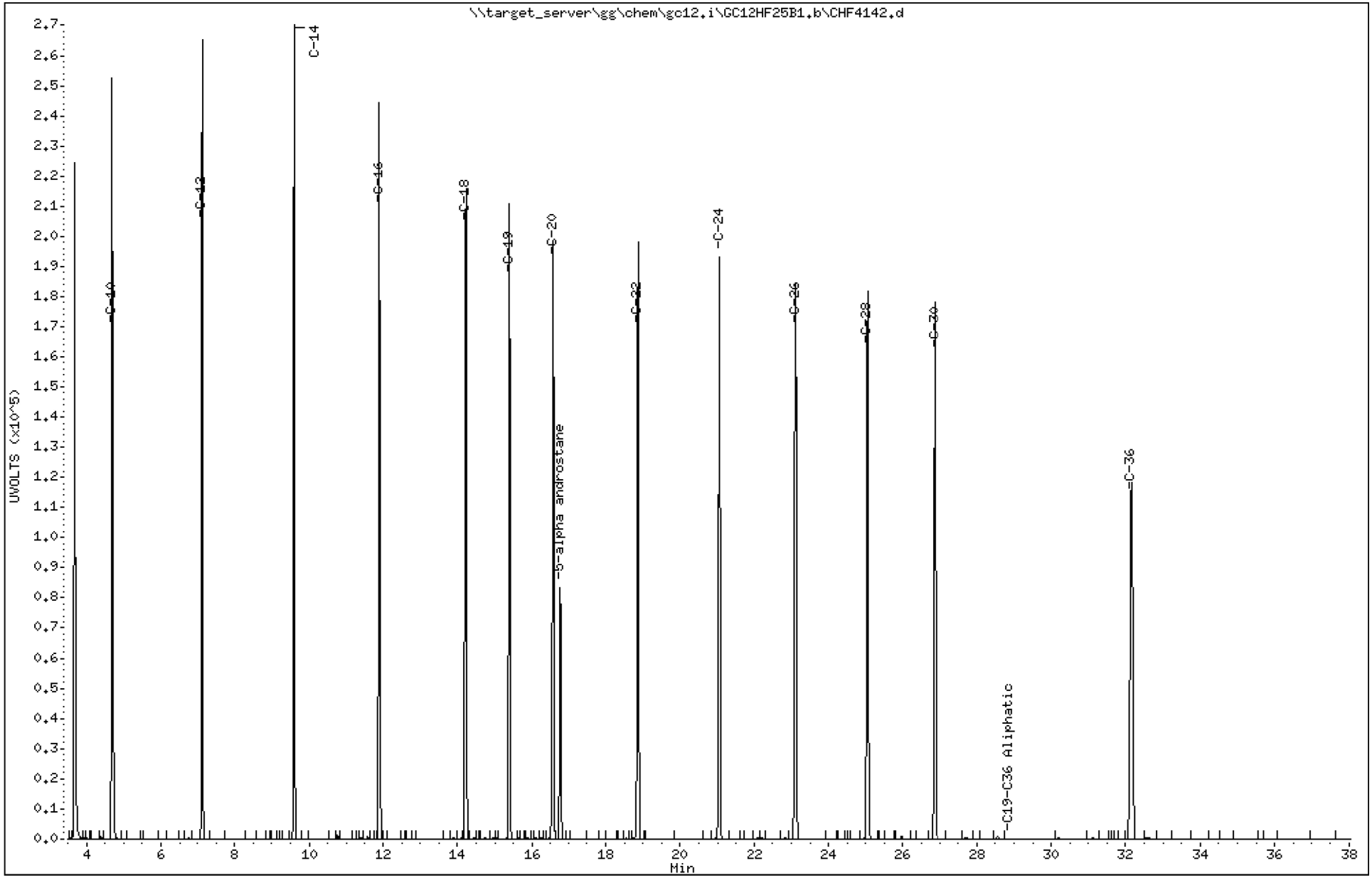
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Inj Date : 27-JUN-2014 00:32
Operator : AC   Inst ID: gc12.i
Smp Info : WG145456-9,WE53-7
Misc Info : WG145456,WG145456,WG142382-9,SH4521-8
Comment   :
Method   : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF25B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:32 acronin   Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23   Cal File: CHE2016.d
Als bottle: 1   Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie   Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4141.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
3	C-9	3.679	3.700	-0.021	656652	50.0000	55.2	
4	C-10	4.692	4.722	-0.030	666120	50.0000	52.5	
5	C-12	7.130	7.173	-0.043	668980	50.0000	55.5	
7	C-14	9.600	9.647	-0.047	675930	50.0000	55.9	
8	C-16	11.902	11.951	-0.049	682716	50.0000	56.0	
9	C-18	14.221	14.277	-0.056	686522	50.0000	56.1	
$ 44	5-alpha androstane	16.762	16.782	-0.020	287555	20.0000	22.3	
10	C-19	15.396	15.455	-0.059	683691	50.0000	56.4	
11	C-20	16.567	16.630	-0.063	683608	50.0000	56.0	
13	C-22	18.864	18.933	-0.069	689316	50.0000	56.1	
14	C-24	21.053	21.127	-0.074	695346	50.0000	56.2	
15	C-26	23.116	23.200	-0.084	690135	50.0000	56.2	
16	C-28	25.050	25.133	-0.083	693431	50.0000	56.2	
18	C-30	26.863	26.945	-0.082	691740	50.0000	56.2	
19	C-36	32.156	32.283	-0.127	693392	50.0000	56.3	
M 1	C9-C18 Aliphatic				4036920	300.000	331	
M 2	C19-C36 Aliphatic				5520659	400.000	450	

Data File: \\target_server\gg\chem\gc12.i\GC12HF25B1.b\CHF4142.d
Date : 27-JUN-2014 00:32
Client ID:
Instrument: gc12.i
Sample Info: WG145456-9,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000202

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG145456-10
Lab File ID : CHF4164.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 06/27/14 17:11
Instrument ID: GC12
Column ID: A

Compound	$\overline{\text{RRF}}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
1 C9-C18 Aliphatic	12193	13219	0.010	8.41332	25.00000	Averaged
2 C19-C36 Aliphatic	12277	13534	0.010	10.23284	25.00000	Averaged
3 C-9	11903	13000	0.010	9.22188	30.00000	Averaged
4 C-10	12688	13081	0.010	3.10031	25.00000	Averaged
5 C-12	12048	13135	0.010	9.01710	25.00000	Averaged
7 C-14	12086	13257	0.010	9.69183	25.00000	Averaged
8 C-16	12200	13379	0.010	9.66553	25.00000	Averaged
9 C-18	12235	13462	0.010	10.03049	25.00000	Averaged
10 C-19	12120	13371	0.010	10.31895	25.00000	Averaged
11 C-20	12199	13399	0.010	9.83444	25.00000	Averaged
13 C-22	12294	13509	0.010	9.88724	25.00000	Averaged
14 C-24	12365	13645	0.010	10.34862	25.00000	Averaged
15 C-26	12289	13536	0.010	10.14255	25.00000	Averaged
16 C-28	12343	13610	0.010	10.27054	25.00000	Averaged
18 C-30	12303	13560	0.010	10.21328	25.00000	Averaged
19 C-36	12306	13641	0.010	10.84401	25.00000	Averaged
44 5-alpha androstane	12878	14073	0.010	9.28588	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HF27B1.b\CHF4164.d
Report Date: 10-Jul-2014 13:54

Katahdin Analytical Services

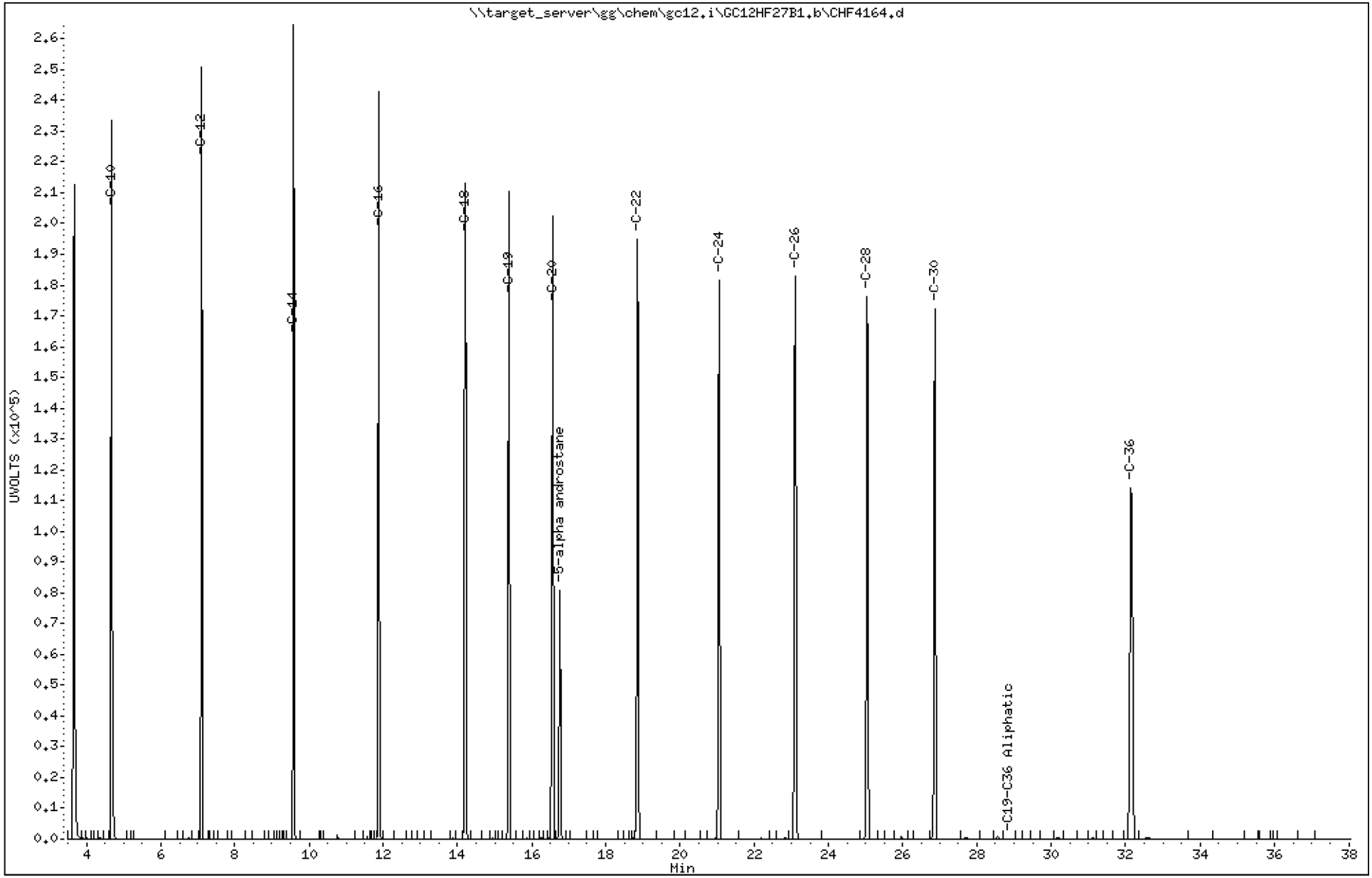
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Lab Smp Id: WG145456-10
Inj Date : 27-JUN-2014 17:11
Operator : AC   Inst ID: gc12.i
Smp Info : WG145456-10,WE53-7
Misc Info : WG145456,WG145456,WG142382-9,SH4521-8
Comment   :
Method   : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF27B1.B\ALIB053A.m
Meth Date : 30-Jun-2014 07:48 acronin   Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23   Cal File: CHE2016.d
Als bottle: 1   Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie   Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF27B1.b\CHF4163.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
3	C-9	3.663	3.700	-0.037	650019	50.0000	54.6	
4	C-10	4.675	4.722	-0.047	654056	50.0000	51.6	
5	C-12	7.115	7.173	-0.058	656740	50.0000	54.5	
7	C-14	9.586	9.647	-0.061	662873	50.0000	54.8	
8	C-16	11.890	11.951	-0.061	668939	50.0000	54.8	
9	C-18	14.208	14.277	-0.069	673097	50.0000	55.0	
$ 44	5-alpha androstane	16.750	16.782	-0.032	281466	20.0000	21.8	
10	C-19	15.384	15.384	0.000	668559	50.0000	55.2	
11	C-20	16.557	16.630	-0.073	669925	50.0000	54.9	
13	C-22	18.854	18.933	-0.079	675462	50.0000	54.9	
14	C-24	21.045	21.127	-0.082	682230	50.0000	55.2	
15	C-26	23.108	23.200	-0.092	676797	50.0000	55.1	
16	C-28	25.043	25.036	0.007	680519	50.0000	55.1	
18	C-30	26.857	26.945	-0.088	677987	50.0000	55.1	
19	C-36	32.151	32.283	-0.132	682045	50.0000	55.4	
M 1	C9-C18 Aliphatic				3965724	300.000	325	
M 2	C19-C36 Aliphatic				5413524	400.000	441	

Data File: \\target_server\gg\chem\gc12.i\GC12HF27B1.b\CHF4164.d
Date : 27-JUN-2014 17:11
Client ID:
Instrument: gc12.i
Sample Info: WG145456-10,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000205

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG146138-3
Lab File ID : CHG2053.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 07/07/14 10:46
Instrument ID: GC12
Column ID: A

	Compound	$\overline{RRF}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
1	C9-C18 Aliphatic	12193	12857	0.010	5.44485	25.00000	Averaged
2	C19-C36 Aliphatic	12277	13017	0.010	6.02727	25.00000	Averaged
3	C-9	11903	12623	0.010	6.05336	30.00000	Averaged
4	C-10	12688	13016	0.010	2.58501	25.00000	Averaged
5	C-12	12048	12762	0.010	5.91992	25.00000	Averaged
7	C-14	12086	12838	0.010	6.21743	25.00000	Averaged
8	C-16	12200	12916	0.010	5.86984	25.00000	Averaged
9	C-18	12235	12989	0.010	6.16396	25.00000	Averaged
10	C-19	12120	12933	0.010	6.70391	25.00000	Averaged
11	C-20	12199	12969	0.010	6.31016	25.00000	Averaged
13	C-22	12294	13067	0.010	6.28654	25.00000	Averaged
14	C-24	12365	13204	0.010	6.78792	25.00000	Averaged
15	C-26	12289	13050	0.010	6.18502	25.00000	Averaged
16	C-28	12343	13074	0.010	5.92191	25.00000	Averaged
18	C-30	12303	13090	0.010	6.39378	25.00000	Averaged
19	C-36	12306	12754	0.010	3.63913	25.00000	Averaged
44	5-alpha androstane	12878	13648	0.010	5.98400	25.00000	Averaged

*** = Compound out of QC criteria**

Data File: \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2053.d
Report Date: 10-Jul-2014 13:57

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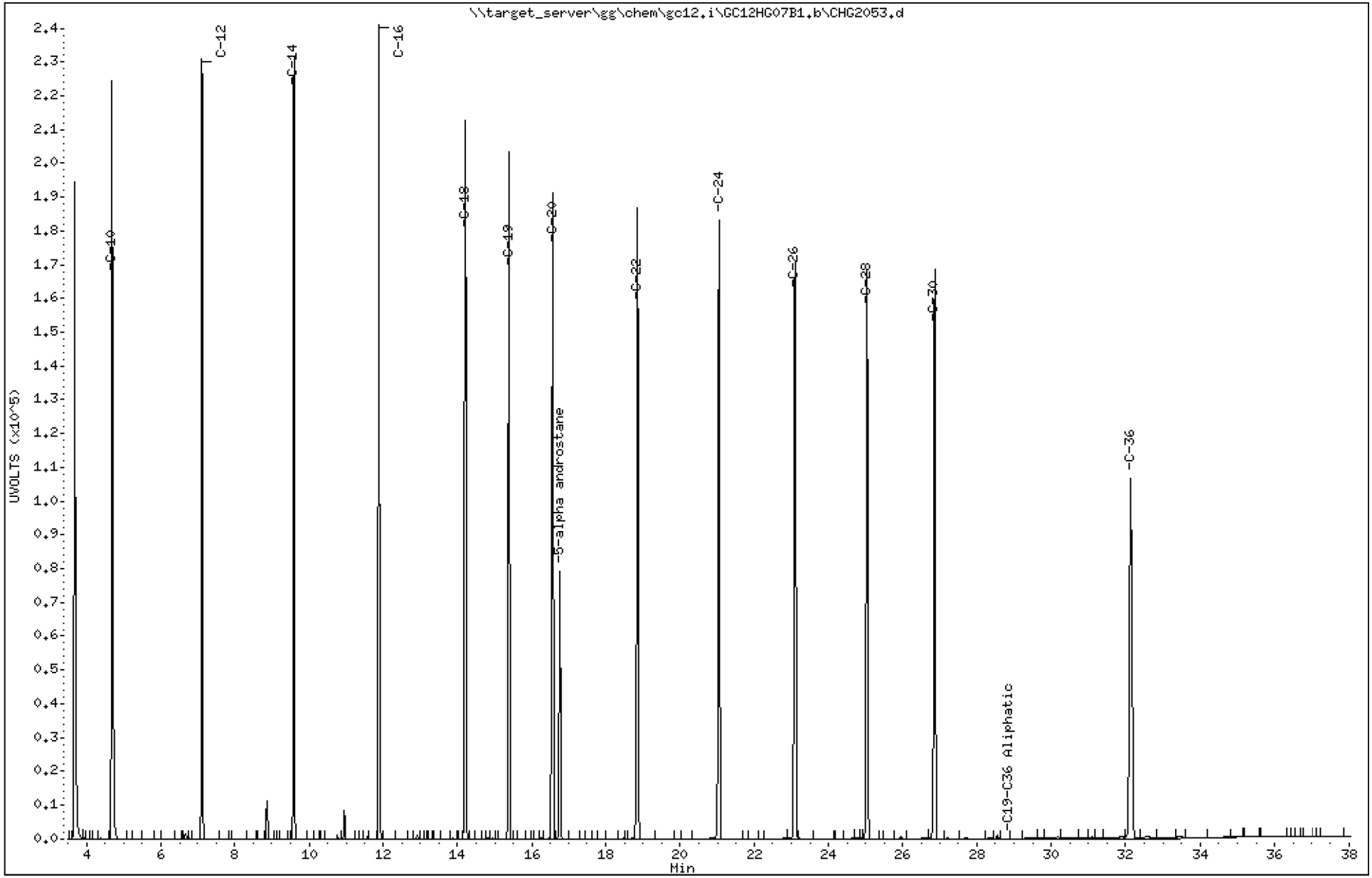
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Lab Smp Id: WG146138-3
Inj Date : 07-JUL-2014 10:46
Operator : AC Inst ID: gc12.i
Smp Info : WG146138-3,WE53-7
Misc Info : WG146138,WG146138,WG142382-9,SH4521-18
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HG07B1.B\ALIB053A.m
Meth Date : 10-Jul-2014 09:37 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2052.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

						AMOUNTS		
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	REVIEW CODE
	3 C-9	3.680	3.702	-0.022	631162	50.0000	53.0	
	4 C-10	4.691	4.648	0.043	650787	50.0000	51.3	
	5 C-12	7.125	7.125	0.000	638082	50.0000	53.0	
	7 C-14	9.594	9.594	0.000	641877	50.0000	53.1	
	8 C-16	11.893	11.893	0.000	645786	50.0000	52.9	
	9 C-18	14.210	14.207	0.003	649444	50.0000	53.1	
$	44 5-alpha androstane	16.749	16.752	-0.003	272962	20.0000	21.2	
	10 C-19	15.384	15.378	0.006	646651	50.0000	53.4	
	11 C-20	16.555	16.549	0.006	648429	50.0000	53.2	
	13 C-22	18.851	18.846	0.005	653329	50.0000	53.1	
	14 C-24	21.040	21.036	0.004	660216	50.0000	53.4	
	15 C-26	23.101	23.097	0.004	652479	50.0000	53.1	
	16 C-28	25.035	25.032	0.003	653682	50.0000	53.0	
	18 C-30	26.850	26.844	0.006	654491	50.0000	53.2	
	19 C-36	32.136	32.128	0.008	637712	50.0000	51.8	
M	1 C9-C18 Aliphatic				3857138	300.000	316	
M	2 C19-C36 Aliphatic				5206989	400.000	424	

Data File: \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2053.d
Date : 07-JUL-2014 10:46
Client ID:
Instrument: gc12.i
Sample Info: WG146138-3,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000208

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WI
Lab ID : WG146138-4
Lab File ID : CHG2076.d
Initial Calibration Date(s): 05/06/14 19:22 05/06/14 22:23

SDG: WE53-7
Analytical Date: 07/08/14 04:12
Instrument ID: GC12
Column ID: A

Compound	$\overline{\text{RRF}}$/Amount	RF50	Min RRF	%D/ %Drift	Max %D/ %Drift	Curve Type
1 C9-C18 Aliphatic	12193	13017	0.010	6.75262	25.00000	Averaged
2 C19-C36 Aliphatic	12277	13229	0.010	7.75210	25.00000	Averaged
3 C-9	11903	12787	0.010	7.43053	30.00000	Averaged
4 C-10	12688	12939	0.010	1.98081	25.00000	Averaged
5 C-12	12048	12969	0.010	7.64414	25.00000	Averaged
7 C-14	12086	13037	0.010	7.87023	25.00000	Averaged
8 C-16	12200	13147	0.010	7.76858	25.00000	Averaged
9 C-18	12235	13219	0.010	8.04679	25.00000	Averaged
10 C-19	12120	13164	0.010	8.60763	25.00000	Averaged
11 C-20	12199	13163	0.010	7.90097	25.00000	Averaged
13 C-22	12294	13270	0.010	7.94397	25.00000	Averaged
14 C-24	12365	13403	0.010	8.39229	25.00000	Averaged
15 C-26	12289	13311	0.010	8.31383	25.00000	Averaged
16 C-28	12343	13374	0.010	8.35589	25.00000	Averaged
18 C-30	12303	13344	0.010	8.45910	25.00000	Averaged
19 C-36	12306	12805	0.010	4.05388	25.00000	Averaged
44 5-alpha androstane	12878	13725	0.010	6.57845	25.00000	Averaged

*** = Compound out of QC criteria**

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sales@katahdinlab.com

Data File: \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2076.d
Report Date: 10-Jul-2014 13:57

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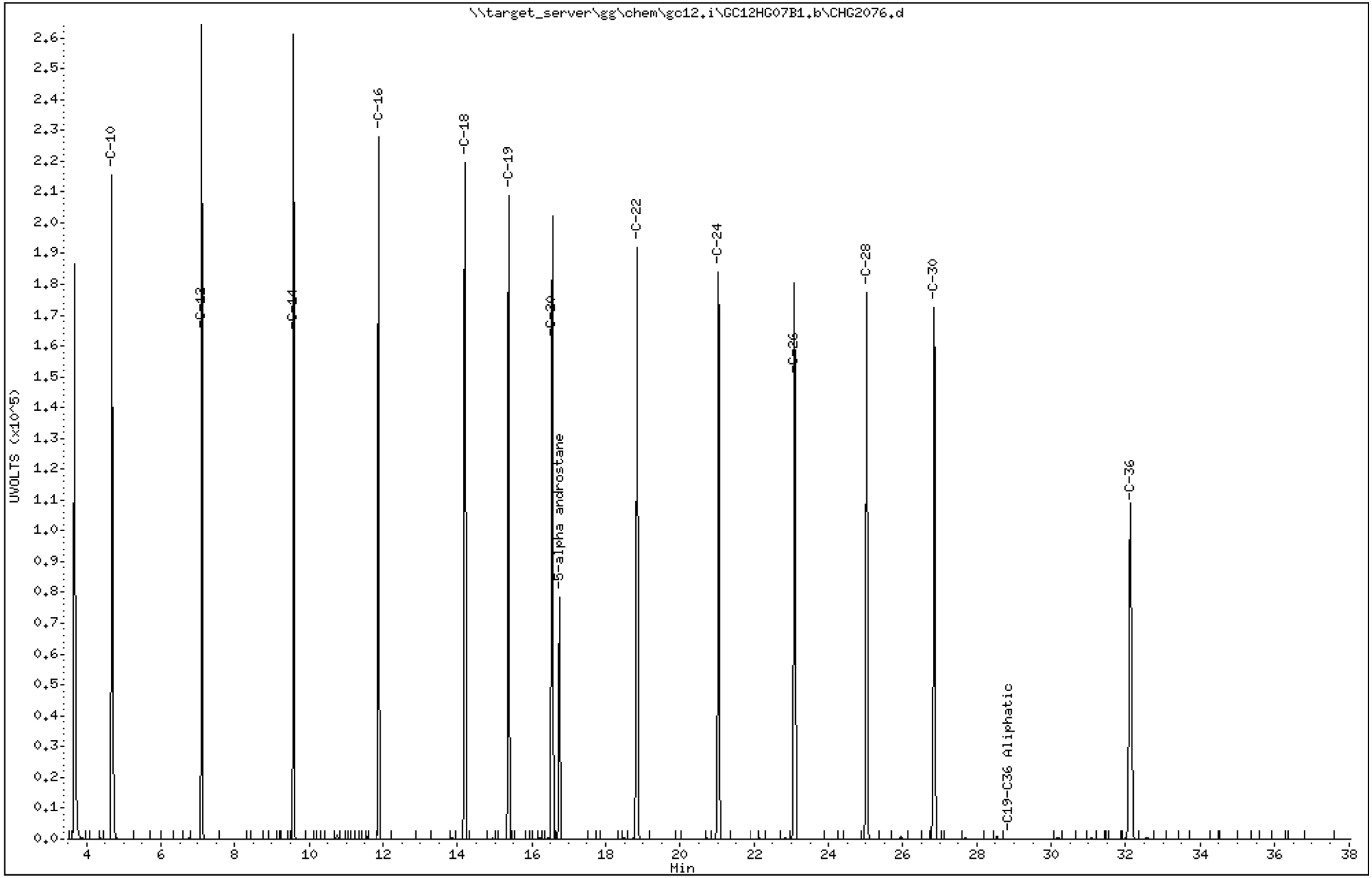
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Lab Smp Id: WG146138-4
Inj Date : 08-JUL-2014 04:12
Operator : AC Inst ID: gc12.i
Smp Info : WG146138-4,WE53-7
Misc Info : WG146138,WG146138,WG142382-9,SH4521-18
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HG07B1.B\ALIB053A.m
Meth Date : 10-Jul-2014 09:37 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CV.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2075.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00300	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
3	C-9	3.675	3.702	-0.027	639358	50.0000	53.7	
4	C-10	4.684	4.648	0.036	646954	50.0000	51.0	
5	C-12	7.119	7.125	-0.006	648469	50.0000	53.8	
7	C-14	9.586	9.594	-0.008	651865	50.0000	53.9	
8	C-16	11.885	11.893	-0.008	657368	50.0000	53.9	
9	C-18	14.200	14.207	-0.007	660962	50.0000	54.0	
$ 44	5-alpha androstane	16.738	16.752	-0.014	274493	20.0000	21.3	
10	C-19	15.373	15.378	-0.005	658188	50.0000	54.3	
11	C-20	16.545	16.549	-0.004	658132	50.0000	54.0	
13	C-22	18.840	18.846	-0.006	663517	50.0000	54.0	
14	C-24	21.029	21.036	-0.007	670135	50.0000	54.2	
15	C-26	23.092	23.097	-0.005	665560	50.0000	54.2	
16	C-28	25.027	25.032	-0.005	668703	50.0000	54.2	
18	C-30	26.841	26.844	-0.003	667196	50.0000	54.2	
19	C-36	32.127	32.128	-0.001	640264	50.0000	52.0	
M 1	C9-C18 Aliphatic				3904976	300.000	320	
M 2	C19-C36 Aliphatic				5291695	400.000	431	

Data File: \\target_server\gg\chem\gc12.i\GC12HG07B1.b\CHG2076.d
Date : 08-JUL-2014 04:12
Client ID:
Instrument: gc12.i
Sample Info: WG146138-4,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000211

Raw QC Data Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client:
Lab ID: WG145094-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: CHF4036.D

Sample Date:
Received Date:
Extract Date: 20-JUN-14
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG145094

Analysis Date: 23-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	75	ug/L	1	100	100	50.	75.
C9-C18 Aliphatics	U	75	ug/L	1	100	100	50.	75.
C19-C36 Aliphatics	U	75	ug/L	1	100	100	50.	75.
C11-C22 Aromatics	U	75	ug/L	1	100	100	50.	75.
5-Alpha Androstane		67.7	%					
o-Terphenyl		82.1	%					
2-Fluorobiphenyl		90.6	%					
2-Bromonaphthalene		90.3	%					

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Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3036.d
Report Date: 09-Jul-2014 14:17

Katahdin Analytical Services

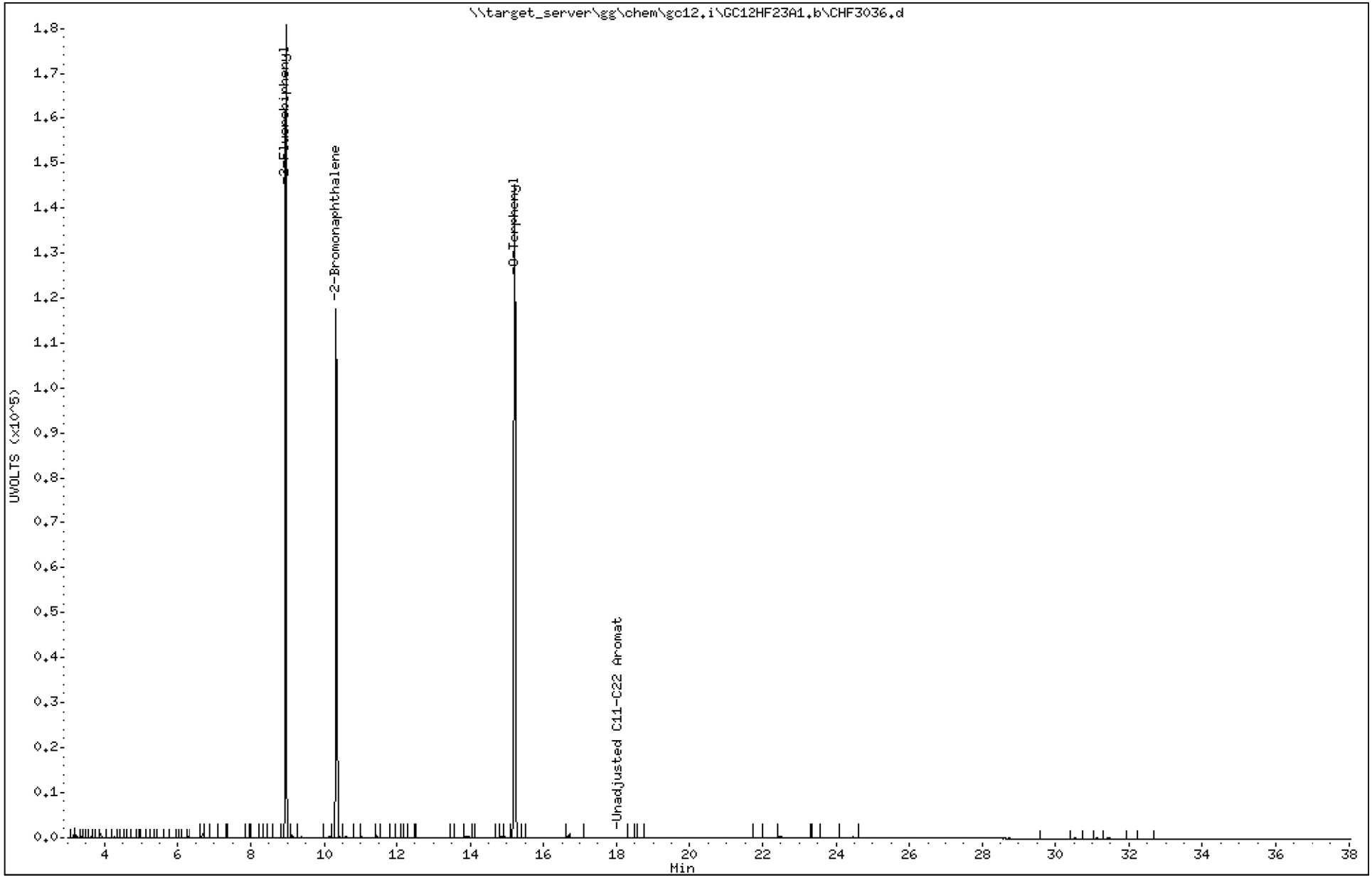
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Lab Smp Id: WG145094-1 Client Smp ID: WG145094-Blank
Inj Date : 23-JUN-2014 13:31
Operator : AC Inst ID: gc12.i
Smp Info : WG145094-1,WE53-7
Misc Info : WG145269,WG145094,WG142382-3,SH4401-2
Comment :
Method : \\target_server\gg\chem\gc12.i\GC12HF23A1.b\AROA060A.m
Meth Date : 26-Jun-2014 11:03 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 19:22 Cal File: CHE1012.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: AROMATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3034.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 4 2-Fluorobiphenyl	8.957	8.982	-0.025	482689	40.7426	81.5	
$ 6 2-Bromonaphthalene	10.336	10.364	-0.028	327676	40.6544	81.3	
$ 11 O-Terphenyl	15.210	15.242	-0.032	486689	36.9490	73.9	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23A1.b\CHF3036.d
Date : 23-JUN-2014 13:31
Client ID: WG145094-Blank
Instrument: gc12.i
Sample Info: WG145094-1,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-5
Column diameter: 0.53



Katahdin Analytical Services 9000215

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4036.d
Report Date: 09-Jul-2014 14:17

Katahdin Analytical Services

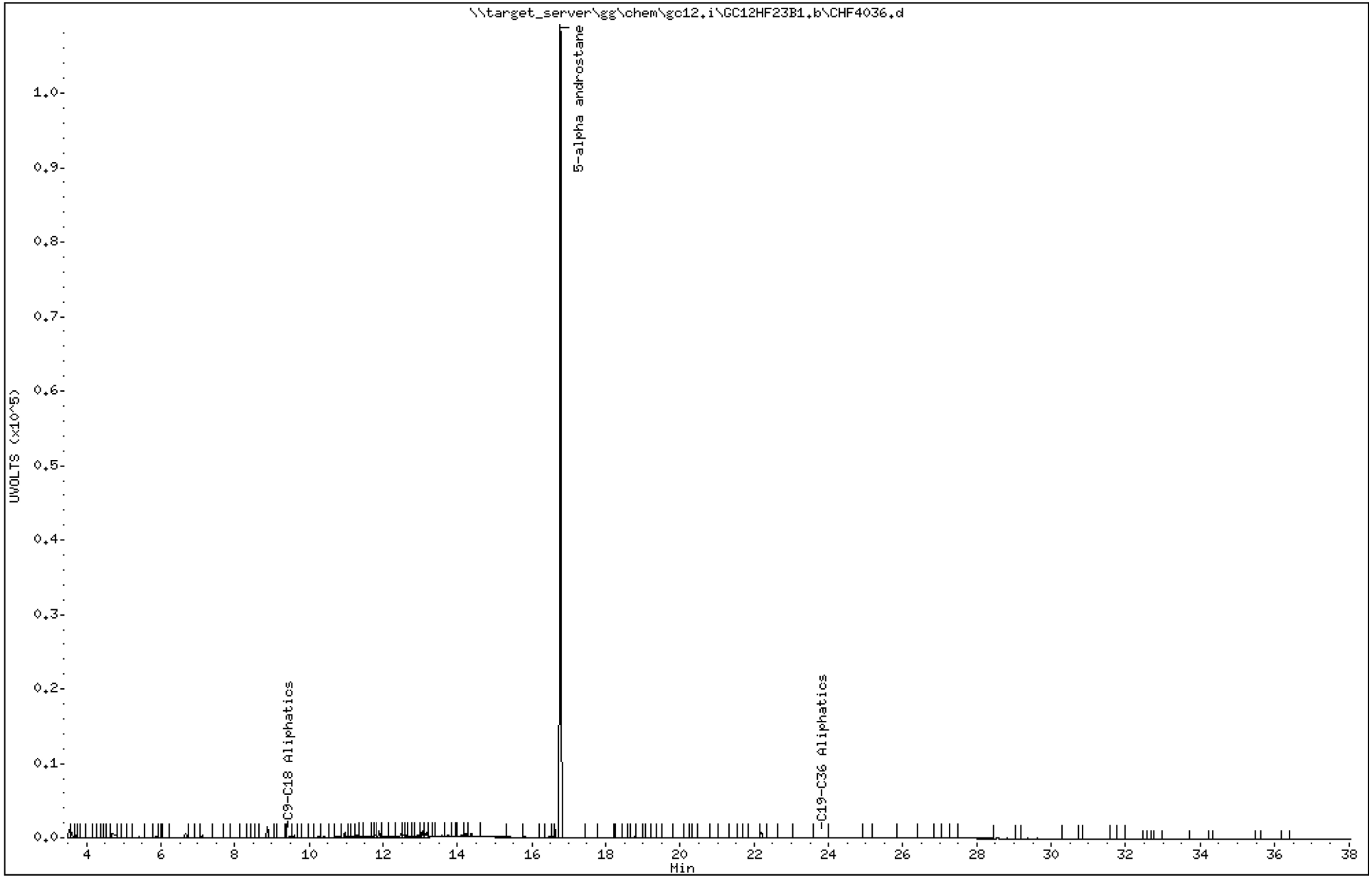
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Lab Smp Id: WG145094-1 Client Smp ID: WG145094-Blank
Inj Date : 23-JUN-2014 13:31
Operator : AC Inst ID: gc12.i
Smp Info : WG145094-1,WE53-7
Misc Info : WG145269,WG145094,WG142382-9,SH4401-2
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12HF23B1.B\ALIB053A.m
Meth Date : 09-Jul-2014 10:04 acronin Quant Type: ESTD
Cal Date : 06-MAY-2014 22:23 Cal File: CHE2016.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ALIPHATIC.sub
Subtraction File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4035.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 44 5-alpha androstane	16.766	16.782	-0.016	392297	30.4637	60.9	

Data File: \\target_server\gg\chem\gc12.i\GC12HF23B1.b\CHF4036.d
Date : 23-JUN-2014 13:31
Client ID: WG145094-Blank
Instrument: gc12.i
Sample Info: WG145094-1,WE53-7
Purge Volume: 1.0
Operator: AC
Column phase: RTX-1
Column diameter: 0.53



Katahdin Analytical Services 9000217

Report of Analytical Results

Client:
Lab ID: WG145314-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: CHF4134.D

Sample Date:
Received Date:
Extract Date: 24-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145314

Analysis Date: 26-JUN-14
Analyst: AC
Analysis Method: MA DEP EPH 04-1.1
Matrix: AQ
% Solids: NA
Report Date: 09-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Unadjusted C11-C22 Aromatics	U	75	ug/L	1	100	100	50.	75.
C9-C18 Aliphatics	U	75	ug/L	1	100	100	50.	75.
C19-C36 Aliphatics	U	75	ug/L	1	100	100	50.	75.
C11-C22 Aromatics	U	75	ug/L	1	100	100	50.	75.
5-Alpha Androstane		65.6	%					
o-Terphenyl		74.8	%					
2-Fluorobiphenyl		80.1	%					
2-Bromonaphthalene		81.0	%					

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