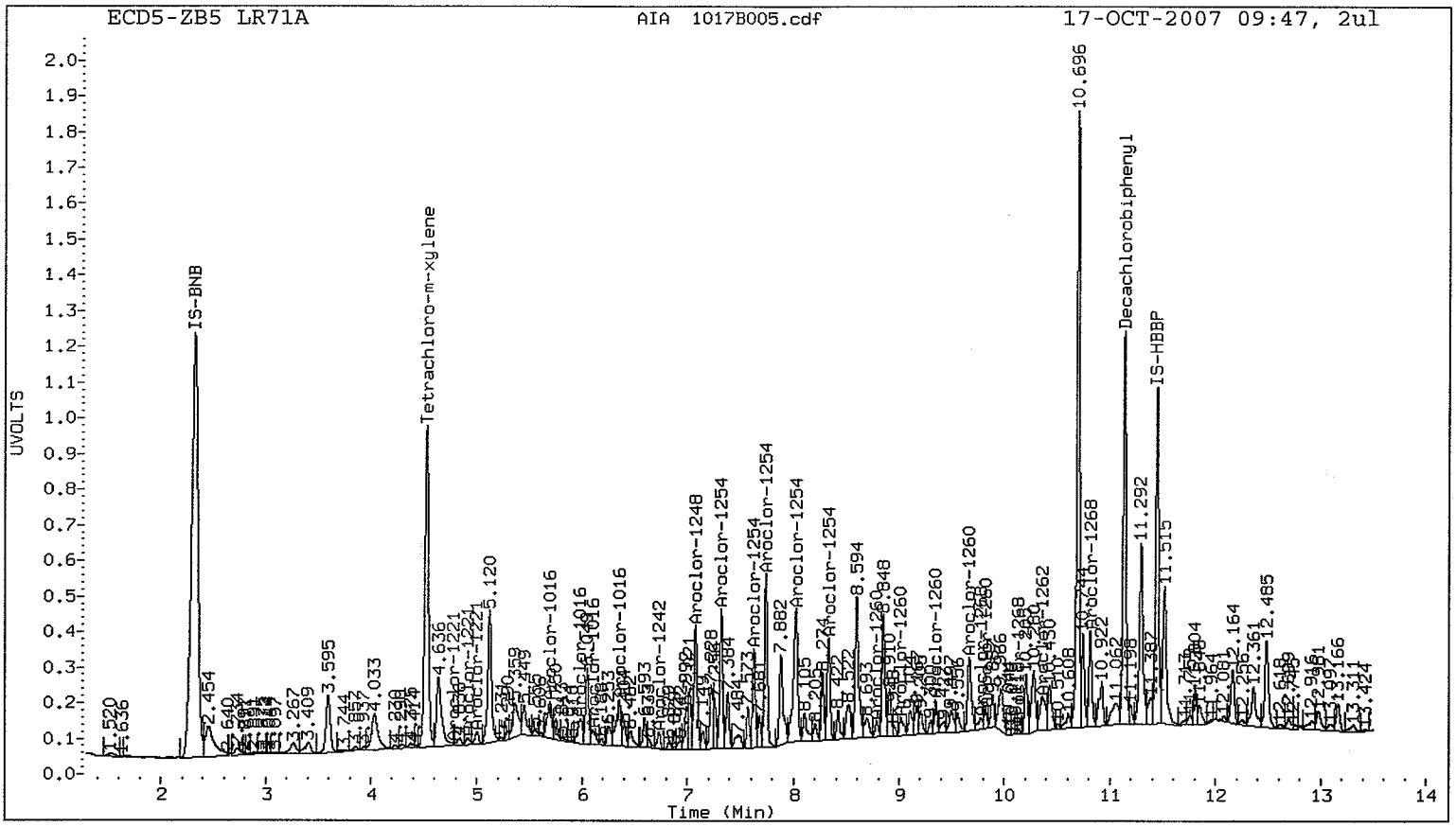
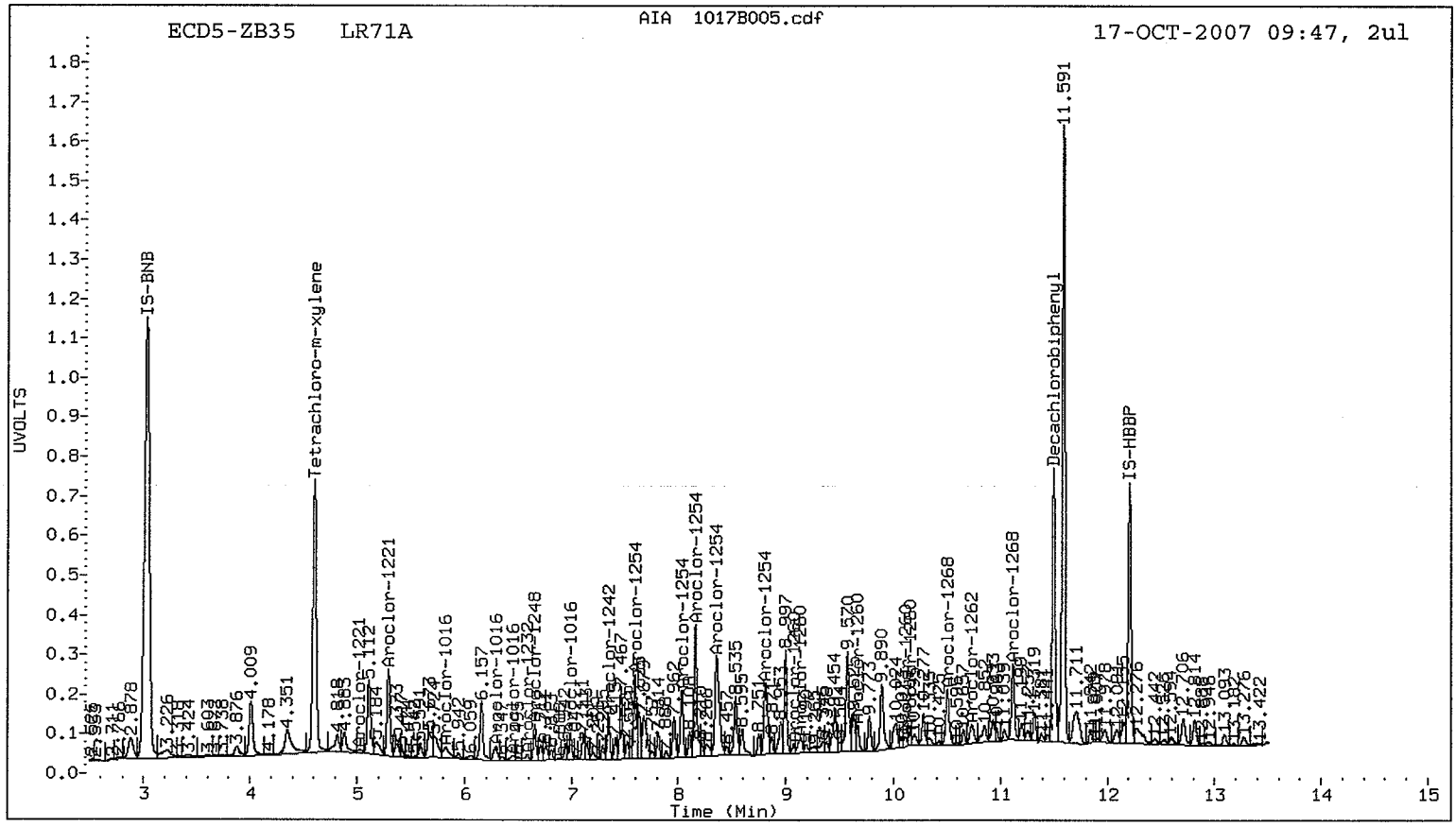

ECD5-ZB5 LR71A
AIA 1017B005.cdf
17-OCT-2007 09:47, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
IS-HBBP
Aroclor-1016
Aroclor-1221
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268


ECD5-ZB35 LR71A
AIA 1017B005.cdf
17-OCT-2007 09:47, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
IS-HBBP
Aroclor-1016
Aroclor-1221
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-02-070927
SAMPLE

Lab Sample ID: LR71B
LIMS ID: 07-20767
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 12:21
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 50.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**12**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	76.0%
Tetrachlorometaxylene	87.5%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B014.d
Data file 2: 20071016.b/1017-2.b/1017B014.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71B
Client ID: AN-SS-02-070927
Injection Date: 17-OCT-2007 12:21
Report Date: 10/17/2007 13:48
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.522	0.000	10741653	4.605	0.000	8955406	29.6	35.0	16.5	Tetrachloro-m-xylene M
11.136	0.001	12476209	11.498	0.002	7049634	30.4	29.4	3.2	Decachlorobiphenyl MN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	74.1	87.5
Decachlorobiphenyl	75.9	73.6

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	27651855	-12.4
Hexabromobiphenyl	9983366	12932854	29.5

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	19467573	-4.2
Hexabromobiphenyl	6610345	9973302	50.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

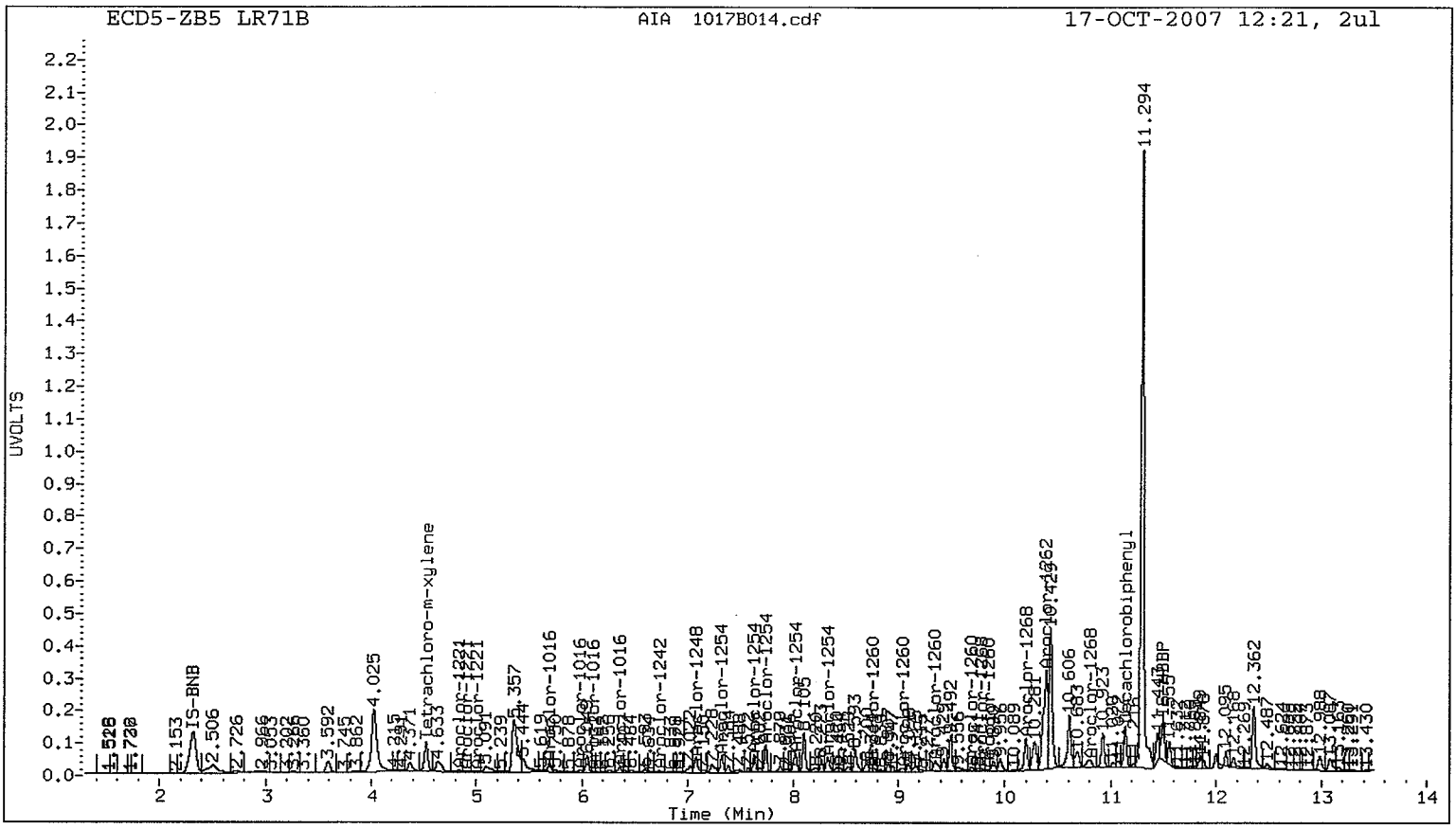
Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.696	0.000	3531318	404.6	1	5.909	0.085	538335	55.9
Aroclor-1016	2	5.983	-0.008	1220958	46.3	2	6.295	0.002	409318	20.1
Aroclor-1016	3	6.101	-0.001	345944	29.9	3	6.434	-0.019	302788	37.3
Aroclor-1016	4	6.356	-0.001	1966379	277.1	4	6.989	0.000	746954	117.1
Total Col1Ave (4 peaks):					189.5	Total Col2Ave (4 peaks):				57.6 RPD = 107*
Corrected Ave (3 peaks):					117.7	Corrected Ave (3 peaks):				37.8 RPD = 103*
Aroclor-1221	1	4.832	0.050	861467	226.0	1	5.109	0.043	3178907	1003.8
Aroclor-1221	2	4.908	0.000	501229	197.4	2	5.290	0.049	876763	480.3
Aroclor-1221	3	5.003	0.018	735475	85.8	3	---			0.0
Aroclor-1221	NS	---			----	4	5.909	0.073	538335	239.2
Total Col1Ave (3 peaks):					169.7	Total Col2Ave (3 peaks):				574.4 RPD = 109*
Corrected Ave (3 peaks):					169.7	Corrected Ave: < 3 Peaks				
Aroclor-1232	1	5.003	0.020	735475	102.2	1	5.290	-0.033	876763	185.6
Aroclor-1232	2	5.696	0.000	3531318	900.3	2	5.909	0.084	538335	113.5
Aroclor-1232	3	5.983	-0.007	1220958	104.5	3	6.295	0.001	409318	45.6
Aroclor-1232	4	6.101	-0.003	345944	65.2	4	6.585	-0.005	178898	79.6
Total Col1Ave (4 peaks):					293.0	Total Col2Ave (4 peaks):				106.1 RPD = 94*
Corrected Ave (3 peaks):					90.6	Corrected Ave (3 peaks):				79.6 RPD = 13
Aroclor-1242	1	5.696	0.000	3531318	501.9	1	5.290	-0.033	876763	223.6
Aroclor-1242	2	5.983	-0.008	1220958	57.8	2	5.909	0.085	538335	70.2
Aroclor-1242	3	6.101	-0.003	345944	37.0	3	6.295	0.002	409318	25.6
Aroclor-1242	4	6.734	-0.001	741799	82.9	4	6.434	-0.019	302788	47.4
Aroclor-1242	NS	---			----	5	7.349	0.000	1017548	166.1
Total Col1Ave (4 peaks):					169.9	Total Col2Ave (5 peaks):				106.6 RPD = 46*
Corrected Ave (3 peaks):					59.3	Corrected Ave (4 peaks):				77.3 RPD = 26
Aroclor-1248	1	5.983	-0.009	1220958	79.2	1	6.295	0.004	409318	34.1
Aroclor-1248	2	6.101	-0.004	345944	59.0	2	6.655	0.000	1179898	177.4
Aroclor-1248	3	6.356	-0.002	1966379	215.0	3	6.989	0.000	746954	95.7
Aroclor-1248	4	6.734	-0.002	741799	55.1	4	7.349	0.000	1017548	94.1
Aroclor-1248	5	7.075	0.001	5378083	301.6	NS	---			----
Total Col1Ave (5 peaks):					142.0	Total Col2Ave (4 peaks):				100.3 RPD = 34
Corrected Ave (4 peaks):					102.1	Corrected Ave (3 peaks):				74.6 RPD = 31
Aroclor-1254	1	7.322	-0.001	4904879	249.0	1	7.596	-0.001	3122243	281.4
Aroclor-1254	2	7.629	-0.003	5061339	417.4	2	8.036	0.000	2187328	258.8
Aroclor-1254	3	7.740	-0.005	7895781	327.7	3	8.160	-0.001	4318448	237.2
Aroclor-1254	4	8.024	-0.008	6611636	254.9	4	8.356	-0.008	5112644	278.2
Aroclor-1254	5	8.333	-0.003	4840280	317.6	5	8.811	-0.005	4399370	425.4
Total Col1Ave (5 peaks):					313.3	Total Col2Ave (5 peaks):				296.2 RPD = 6
Corrected Ave (5 peaks):					313.3	Corrected Ave (5 peaks):				296.2 RPD = 6
Aroclor-1260	1	8.766	-0.014	1063025	45.9	1	9.072	0.000	286568	18.7
Aroclor-1260	2	9.047	-0.001	1536656	78.3	2	9.135	-0.005	413626	47.6
Aroclor-1260	3	9.349	0.000	4744926	91.8	3	9.669	0.005	2087232	57.0
Aroclor-1260	4	9.688	-0.002	1364961	57.1	4	10.106	0.003	1226161	123.8
Aroclor-1260	5	9.842	0.002	433381	29.3	5	10.153	-0.001	955310	41.9
Total Col1Ave (5 peaks):					60.5	Total Col2Ave (5 peaks):				57.8 RPD = 5
Corrected Ave (5 peaks):					60.5	Corrected Ave (4 peaks):				41.3 RPD = 38
Aroclor-1262	1	9.047	-0.002	1536656	58.2	1	9.072	-0.002	286568	11.4
Aroclor-1262	2	9.349	-0.002	4744926	71.4	2	9.669	0.003	2087232	45.0
Aroclor-1262	3	9.688	-0.002	1364961	67.2	3	10.106	0.004	1226161	62.7
Aroclor-1262	4	9.842	0.001	433381	14.9	4	10.153	-0.004	955310	31.7
Aroclor-1262	5	10.390	0.004	44495429	2012.3	5	10.721	-0.025	18510311	1251.4
Total Col1Ave (5 peaks):					444.8	Total Col2Ave (5 peaks):				280.5 RPD = 45*
Corrected Ave (4 peaks):					52.9	Corrected Ave (4 peaks):				37.7 RPD = 34
Aroclor-1268	1	9.775	-0.003	711603	9.7	1	10.106	0.005	1226161	26.5
Aroclor-1268	2	9.842	0.004	433381	6.2	2	10.153	-0.006	955310	21.7
Aroclor-1268	3	10.198	0.037	10425565	176.5	3	10.495	0.002	7347752	212.3

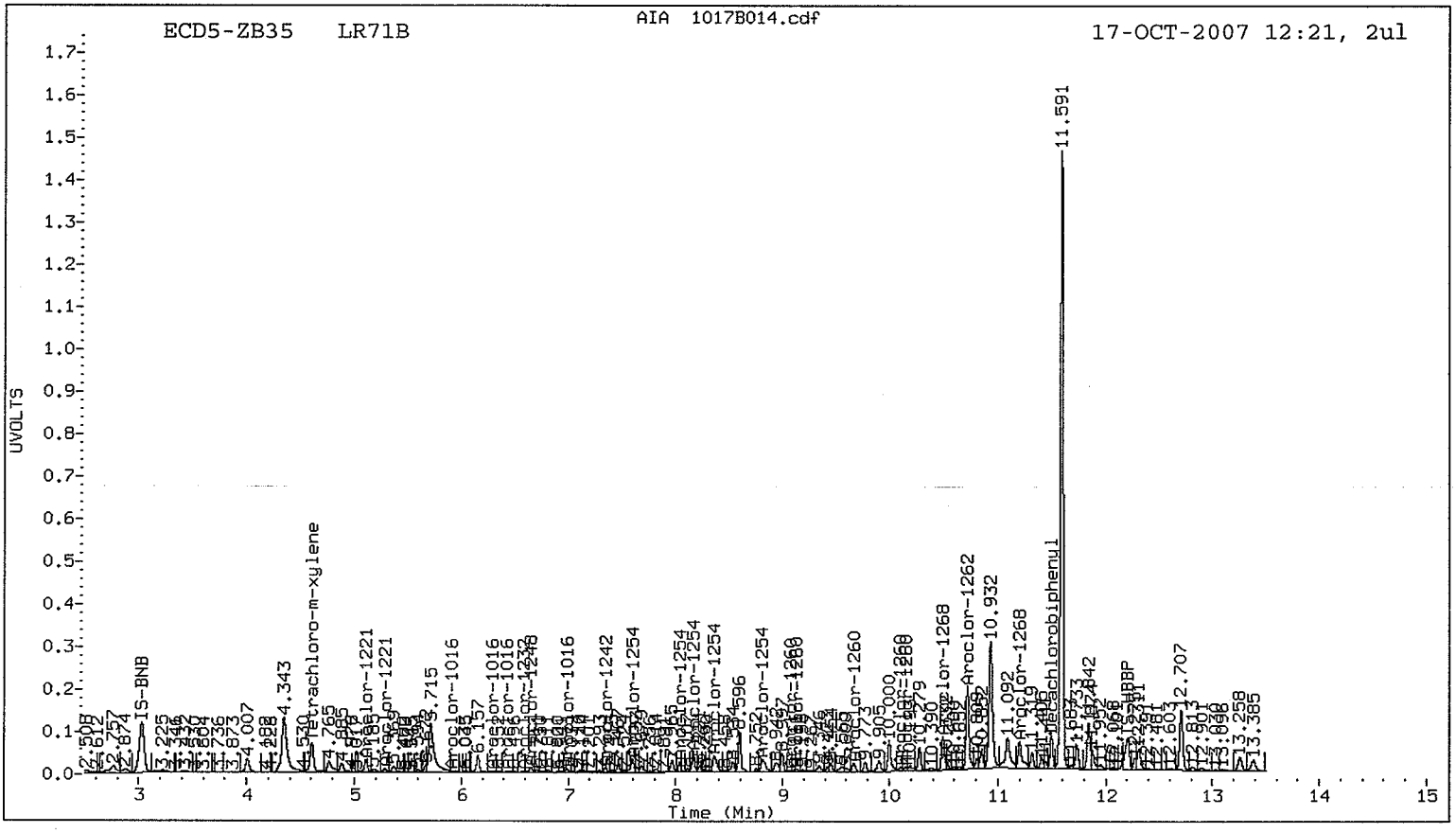
Aroclor-1268	4	10.802	0.003	4834658	30.6	4	11.204	0.052	8047386	79.6	
Total Col1Ave (4 peaks):				55.7		Total Col2Ave (4 peaks):			85.0	RPD =	42*
Corrected Ave (3 peaks):				15.5		Corrected Ave (3 peaks):			42.6	RPD =	93*

Total PCB Area Col1 (4.623 - 11.035) = 356072667 Col1 Total PCB = 1.7 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 225071447 Col2 Total PCB = 1.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical


ECD5-ZB5 LR71B
AIA 1017B014.cdf
17-OCT-2007 12:21, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
11.294


ECD5-ZB35 LR71B
AIA 1017B014.cdf
17-OCT-2007 12:21, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
11.591

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-03-070928
SAMPLE

Lab Sample ID: LR71C
LIMS ID: 07-20768
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 12:39
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 33.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	3.9	< 3.9 U
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	87.8%
Tetrachlorometaxylene	72.2%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B015.d
Data file 2: 20071016.b/1017-2.b/1017B015.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71C
Client ID: AN-SS-03-070928
Injection Date: 17-OCT-2007 12:39
Report Date: 10/17/2007 13:48
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.519	-0.004	10223547	4.602	-0.003	7097591	28.9	27.4	5.3	Tetrachloro-m-xylene MN
11.134	-0.001	9941879	11.496	-0.001	5625490	34.4	35.1	2.1	Decachlorobiphenyl MN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	72.2	68.5
Decachlorobiphenyl	86.0	87.8

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	27014845	-14.4
Hexabromobiphenyl	9983366	9103579	-8.8

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	19715121	-3.0
Hexabromobiphenyl	6610345	6668083	0.9

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

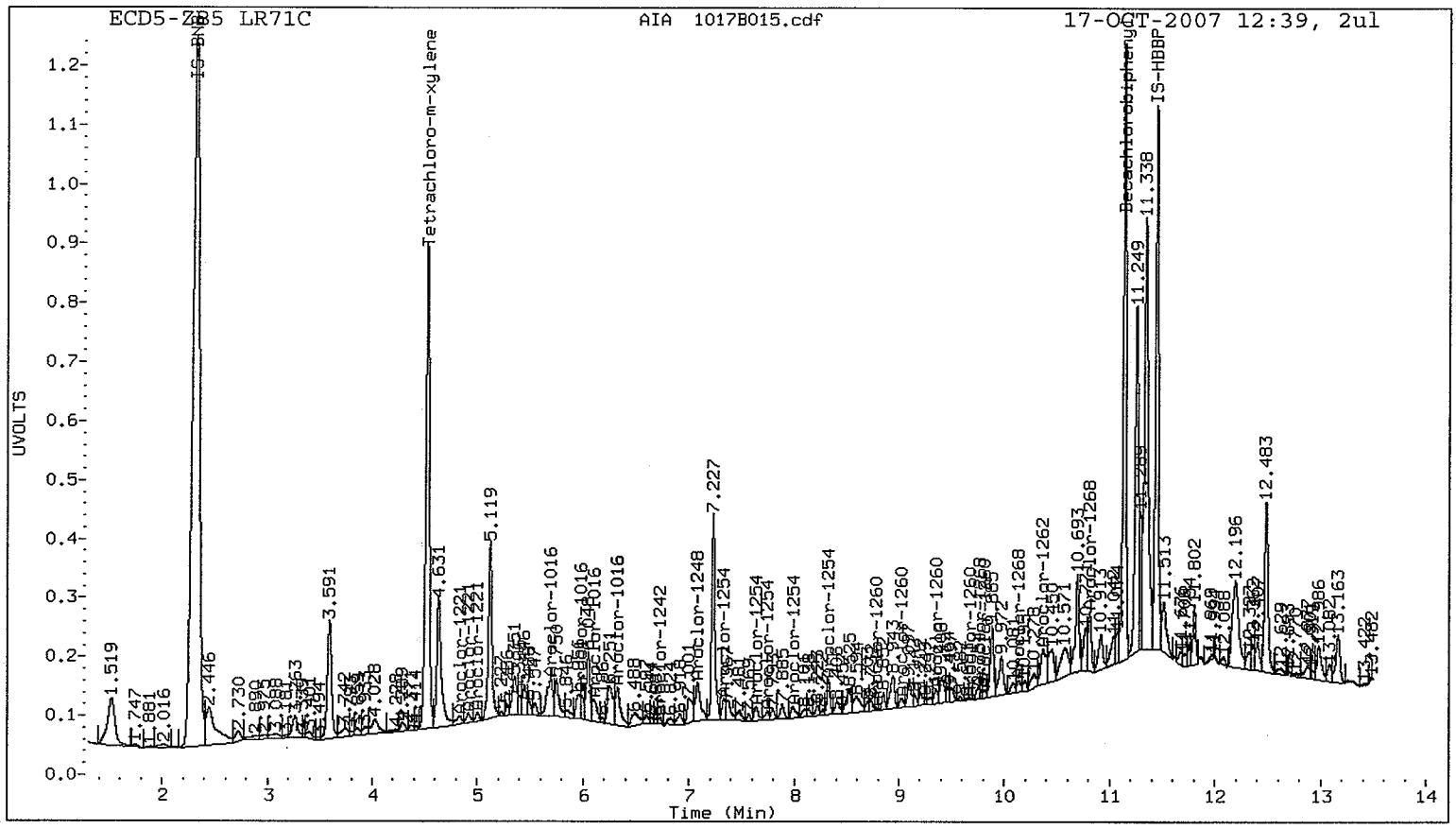
Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.697	0.002	1265515	148.4	1	5.824	-0.001	74988	7.7
Aroclor-1016	2	5.984	-0.006	356338	13.8	2	6.303	0.010	97900	4.8
Aroclor-1016	3	6.103	0.000	603853	53.4	3	6.434	-0.019	22941	2.8
Aroclor-1016	4	6.324	-0.032	1099849	158.6	4	6.990	0.000	120505	18.6
	Total Col1Ave (4 peaks):				93.6	Total Col2Ave (4 peaks):				8.5 RPD = 167*
	Corrected Ave (4 peaks):				93.6	Corrected Ave (3 peaks):				5.1 RPD = 179*
Aroclor-1221	1	4.835	0.052	277959	74.6	1	5.030	-0.036	153601	47.9
Aroclor-1221	2	4.912	0.003	261060	105.2	2	5.188	-0.052	346399	187.4
Aroclor-1221	3	4.999	0.013	206663	24.7	3	5.293	-0.030	1653845	293.4
Aroclor-1221	NS	---			----	4	5.824	-0.013	74988	32.9
	Total Col1Ave (3 peaks):				68.2	Total Col2Ave (4 peaks):				140.4 RPD = 69*
	Corrected Ave (3 peaks):				68.2	Corrected Ave (3 peaks):				89.4 RPD = 27
Aroclor-1232	1	4.999	0.015	206663	29.4	1	5.293	-0.030	1653845	345.7
Aroclor-1232	2	5.697	0.002	1265515	330.2	2	5.824	-0.002	74988	15.6
Aroclor-1232	3	5.984	-0.006	356338	31.2	3	6.303	0.009	97900	10.8
Aroclor-1232	4	6.103	-0.002	603853	116.5	4	6.568	-0.022	131866	58.0
	Total Col1Ave (4 peaks):				126.8	Total Col2Ave (4 peaks):				107.5 RPD = 16
	Corrected Ave (3 peaks):				59.0	Corrected Ave (3 peaks):				28.1 RPD = 71*
Aroclor-1242	1	5.697	0.002	1265515	184.1	1	5.293	-0.030	1653845	416.4
Aroclor-1242	2	5.984	-0.007	356338	17.3	2	5.824	-0.001	74988	9.6
Aroclor-1242	3	6.103	-0.001	603853	66.2	3	6.303	0.010	97900	6.0
Aroclor-1242	4	6.729	-0.007	65889	7.5	4	6.434	-0.019	22941	3.5
Aroclor-1242	NS	---			----	5	7.348	-0.001	50591	8.2
	Total Col1Ave (4 peaks):				68.8	Total Col2Ave (5 peaks):				88.8 RPD = 25
	Corrected Ave (3 peaks):				30.3	Corrected Ave (4 peaks):				6.8 RPD = 126*
Aroclor-1248	1	5.984	-0.008	356338	23.7	1	6.303	0.012	97900	8.1
Aroclor-1248	2	6.103	-0.002	603853	105.4	2	6.657	0.001	40028	5.9
Aroclor-1248	3	6.324	-0.033	1099849	123.1	3	6.990	0.001	120505	15.2
Aroclor-1248	4	6.729	-0.007	65889	5.0	4	7.348	-0.001	50591	4.6
Aroclor-1248	5	7.081	0.007	1157338	66.4	NS	---			----
	Total Col1Ave (5 peaks):				64.7	Total Col2Ave (4 peaks):				8.5 RPD = 154*
	Corrected Ave (4 peaks):				50.1	Corrected Ave (3 peaks):				6.2 RPD = 156*
Aroclor-1254	1	7.333	0.010	419275	21.8	1	7.635	0.038	2302676	205.0
Aroclor-1254	2	7.639	0.008	308457	26.0	2	8.045	0.010	146112	17.1
Aroclor-1254	3	7.741	-0.004	193714	8.2	3	8.156	-0.006	109555	5.9
Aroclor-1254	4	7.989	-0.043	315441	12.4	4	8.357	-0.007	274345	14.7
Aroclor-1254	5	8.326	-0.010	646863	43.5	5	8.834	0.017	392609	37.5
	Total Col1Ave (5 peaks):				22.4	Total Col2Ave (5 peaks):				56.0 RPD = 86*
	Corrected Ave (4 peaks):				17.1	Corrected Ave (4 peaks):				18.8 RPD = 9
Aroclor-1260	1	8.779	-0.001	40555	2.5	1	9.064	-0.008	77278	7.5
Aroclor-1260	2	9.019	-0.029	217921	15.8	2	9.156	0.016	274767	47.3
Aroclor-1260	3	9.352	0.004	282112	7.8	3	9.656	-0.008	147881	6.0
Aroclor-1260	4	9.670	-0.020	13680	0.8	4	10.075	-0.028	342816	51.8
Aroclor-1260	5	9.814	-0.026	128393	12.3	5	10.201	0.047	322920	21.2
	Total Col1Ave (5 peaks):				7.8	Total Col2Ave (5 peaks):				26.8 RPD = 109*
	Corrected Ave (4 peaks):				5.8	Corrected Ave (3 peaks):				11.6 RPD = 66*
Aroclor-1262	1	9.019	-0.030	217921	11.7	1	9.064	-0.010	77278	4.6
Aroclor-1262	2	9.352	0.002	282112	6.0	2	9.656	-0.010	147881	4.8
Aroclor-1262	3	9.670	-0.020	13680	1.0	3	10.075	-0.027	342816	26.2
Aroclor-1262	4	9.814	-0.028	128393	6.3	4	10.201	0.043	322920	16.0
Aroclor-1262	5	10.366	-0.019	1162036	74.7	5	10.754	0.008	582262	58.9
	Total Col1Ave (5 peaks):				19.9	Total Col2Ave (5 peaks):				22.1 RPD = 10
	Corrected Ave (4 peaks):				6.2	Corrected Ave (4 peaks):				12.9 RPD = 70*
Aroclor-1268	1	9.768	-0.010	113416	2.2	1	10.075	-0.026	342816	11.1
Aroclor-1268	2	9.814	-0.025	128393	2.6	2	10.201	0.042	322920	11.0
Aroclor-1268	3	10.135	-0.027	279412	6.7	3	10.500	0.006	204578	8.8

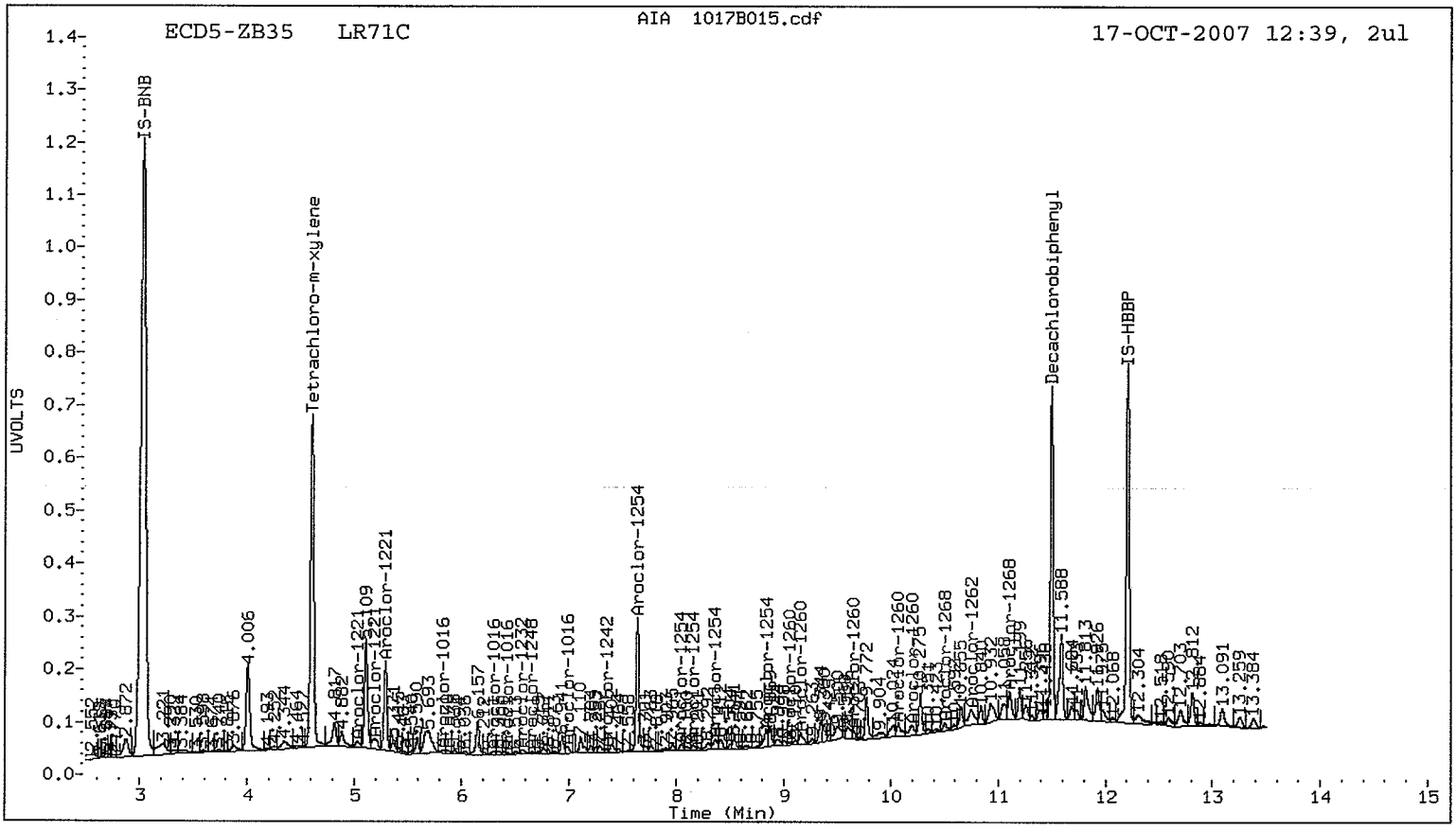
Aroclor-1268	4	10.808	0.009	1086806	9.8	4	11.107	-0.044	623390	9.2	
Total Col1Ave (4 peaks):				5.3	Total Col2Ave (4 peaks):				10.0	RPD =	61*
Corrected Ave (3 peaks):				3.8	Corrected Ave (4 peaks):				10.0	RPD =	89*

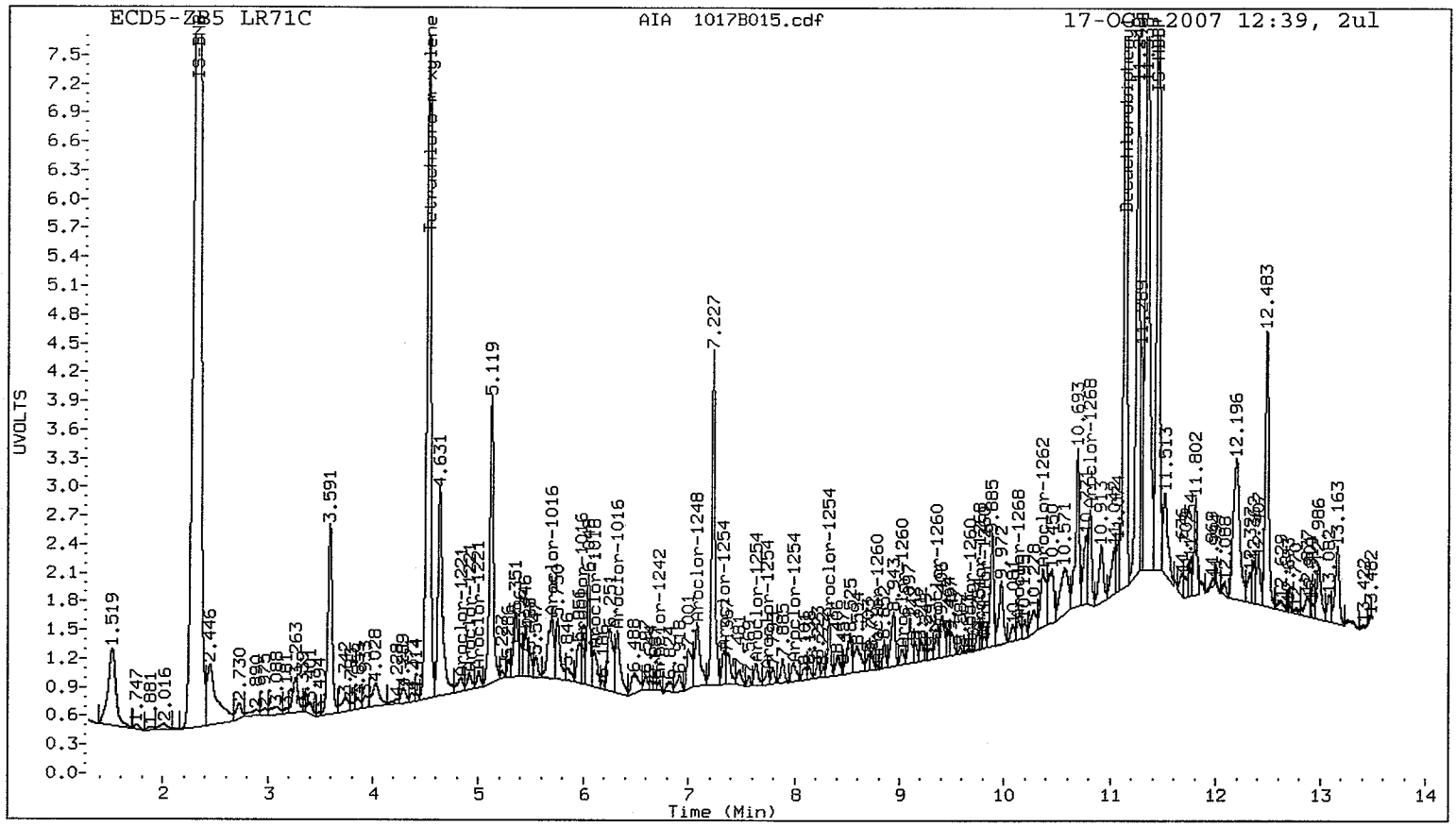
Total PCB Area Col1 (4.623 - 11.035) = 47542184 Col1 Total PCB = 0.2 ppm*

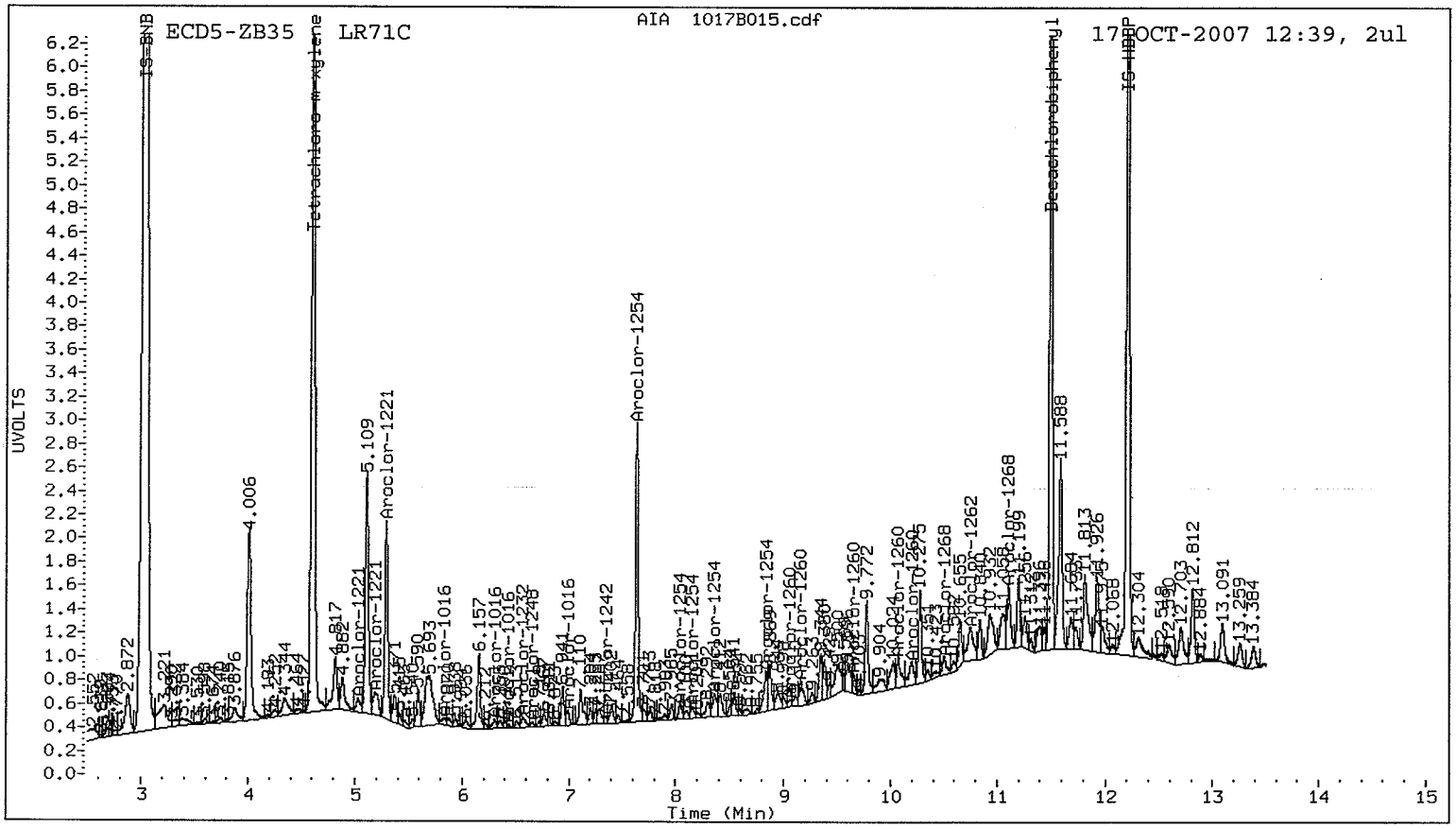
Total PCB Area Col2 (4.705 - 11.396) = 25743608 Col2 Total PCB = 0.2 ppm*

* Quantitated against AR1660 0.25ppm in Ical


ECD5-ZB5 LR71C
AIA 1017B015.cdf
17-OCT-2007 12:39, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
IS-HBBP
Aroclor-1016
Aroclor-1221
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268


ECD5-ZB35 LR71C
AIA 1017B015.cdf
17-OCT-2007 12:39, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
IS-HBBP
Aroclor-1016
Aroclor-1221
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268


ECD5-ZB5 LR71C
AIA 1017B015.cdf
17-OCT-2007 12:39, 2ul
UVOLTS
Time (Min)
IS=BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
IS=HBBP
Aroclor-1016
Aroclor-1221
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
1.519
2.446
3.591
4.631
5.119
7.227
11.513
11.802
12.196
12.483
13.163


ECD5-ZB35 LR71C
AIA 1017B015.cdf
17-OCT-2007 12:39, 2ul
UVOLTS
Time (Min)
IS=BNB
Tetrachloro-m-xylene
Decachlorobiphenyl
IS=HBBP
Aroclor-1016
Aroclor-1221
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
4.006
5.109
6.157
7.110
9.772
11.588
12.304
13.091
13.259
13.384

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-07-070928
SAMPLE

Lab Sample ID: LR71D
LIMS ID: 07-20769
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 13:30
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 28.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	7.8	< 7.8 Y
11097-69-1	**Aroclor 1254**	**3.9**	**39**
11096-82-5	**Aroclor 1260**	**3.9**	**34**
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	80.0%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B018.d
Data file 2: 20071016.b/1017-2.b/1017B018.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71D
Client ID: AN-SS-07-070928
Injection Date: 17-OCT-2007 13:30
Report Date: 10/17/2007 15:17
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col			ZB35 Col			ZB5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound/Flag
4.522	0.000	11004087	4.606	0.001	7819085	31.8	32.0	0.6	Tetrachloro-m-xylene MN
11.135	0.000	10761669	11.496	0.000	6175682	40.9	34.3	17.7	DecachlorobiphenylN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	79.6	80.1
Decachlorobiphenyl	102.3	85.7

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	26383680	-16.4
Hexabromobiphenyl	9983366	8279031	-17.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	18562802	-8.7
Hexabromobiphenyl	6610345	7501255	13.5

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.693	-0.002	1884003	226.2	1	5.822	-0.003	692727	75.5
Aroclor-1016	2	5.981	-0.009	2007970	79.8	2	6.291	-0.001	1024763	52.8
Aroclor-1016	3	6.101	-0.002	1035845	93.8	3	6.452	-0.001	277657	35.9
Aroclor-1016	4	6.355	-0.002	5020828	741.4	4	6.990	0.000	2231220	366.7
Total Col1Ave (4 peaks):		285.3				Total Col2Ave (4 peaks):		132.7	RPD = 73*	
Corrected Ave (3 peaks):		133.3				Corrected Ave (3 peaks):		54.7	RPD = 84*	
Aroclor-1221	1	4.762	-0.021	85984	23.6	1	5.023	-0.042	148516	49.2
Aroclor-1221	2	4.912	0.004	282329	116.5	2	5.205	-0.035	396348	227.7
Aroclor-1221	3	4.997	0.012	506554	61.9	3	5.294	-0.029	722037	136.0
Aroclor-1221	NS	---			----	4	5.822	-0.015	692727	322.8
Total Col1Ave (3 peaks):		67.4				Total Col2Ave (4 peaks):		183.9	RPD = 93*	
Corrected Ave: < 3 Peaks						Corrected Ave (3 peaks):		137.6		
Aroclor-1232	1	4.997	0.014	506554	73.7	1	5.294	-0.029	722037	160.3
Aroclor-1232	2	5.693	-0.002	1884003	503.4	2	5.822	-0.004	692727	153.2
Aroclor-1232	3	5.981	-0.009	2007970	180.1	3	6.291	-0.002	1024763	119.8
Aroclor-1232	4	6.101	-0.003	1035845	204.6	4	6.586	-0.003	335693	156.7
Total Col1Ave (4 peaks):		240.5				Total Col2Ave (4 peaks):		147.5	RPD = 48*	
Corrected Ave (3 peaks):		152.8				Corrected Ave (4 peaks):		147.5	RPD = 4	
Aroclor-1242	1	5.693	-0.003	1884003	280.7	1	5.294	-0.029	722037	193.1
Aroclor-1242	2	5.981	-0.010	2007970	99.7	2	5.822	-0.002	692727	94.7
Aroclor-1242	3	6.101	-0.003	1035845	116.2	3	6.291	-0.001	1024763	67.2
Aroclor-1242	4	6.731	-0.004	2099174	246.0	4	6.452	-0.001	277657	45.5
Aroclor-1242	NS	---			----	5	7.348	-0.001	3479850	595.8
Total Col1Ave (4 peaks):		185.6				Total Col2Ave (5 peaks):		199.3	RPD = 7	
Corrected Ave (4 peaks):		185.6				Corrected Ave (4 peaks):		100.1	RPD = 60*	
Aroclor-1248	1	5.981	-0.010	2007970	136.5	1	6.291	0.001	1024763	89.6
Aroclor-1248	2	6.101	-0.004	1035845	185.1	2	6.655	0.000	3057764	482.2
Aroclor-1248	3	6.355	-0.002	5020828	575.4	3	6.990	0.000	2231220	299.8
Aroclor-1248	4	6.731	-0.005	2099174	163.3	4	7.348	-0.001	3479850	337.5
Aroclor-1248	5	7.074	0.000	12406244	729.1	NS	---			----
Total Col1Ave (5 peaks):		357.9				Total Col2Ave (4 peaks):		302.3	RPD = 17	
Corrected Ave (4 peaks):		265.1				Corrected Ave (4 peaks):		302.3	RPD = 13	
Aroclor-1254	1	7.321	-0.002	16283129	866.4	1	7.598	0.000	10432430	986.2
Aroclor-1254	2	7.628	-0.004	9667897	835.5	2	8.034	-0.002	6642437	824.2
Aroclor-1254	3	7.740	-0.004	19759710	859.5	3	8.160	-0.002	18663974	1075.2
Aroclor-1254	4	8.017	-0.014	28860819	1166.3	4	8.370	0.006	21475637	1225.6
Aroclor-1254	5	8.329	-0.007	15264162	1049.9	5	8.815	-0.002	10763359	1091.6
Total Col1Ave (5 peaks):		955.5				Total Col2Ave (5 peaks):		1040.6	RPD = 9	
Corrected Ave (5 peaks):		955.5				Corrected Ave (5 peaks):		1040.6	RPD = 9	
Aroclor-1260	1	8.778	-0.001	14259884	961.2	1	9.072	0.000	8740814	757.1
Aroclor-1260	2	9.047	-0.001	11126916	885.8	2	9.141	0.000	5280482	807.8
Aroclor-1260	3	9.347	-0.001	31101802	940.3	3	9.664	0.000	20643526	749.1
Aroclor-1260	4	9.687	-0.003	11378915	743.2	4	10.101	-0.002	7797978	1047.1
Aroclor-1260	5	9.839	-0.001	11571374	1220.5	5	10.154	0.000	13647759	795.0
Total Col1Ave (5 peaks):		950.2				Total Col2Ave (5 peaks):		831.2	RPD = 13	
Corrected Ave (5 peaks):		950.2				Corrected Ave (5 peaks):		831.2	RPD = 13	
Aroclor-1262	1	9.047	-0.003	11126916	658.7	1	9.072	-0.001	8740814	464.0
Aroclor-1262	2	9.347	-0.003	31101802	730.8	2	9.664	-0.002	20643526	591.9
Aroclor-1262	3	9.687	-0.003	11378915	875.0	3	10.101	-0.001	7797978	530.4
Aroclor-1262	4	9.839	-0.002	11571374	619.9	4	10.154	-0.004	13647759	602.1
Aroclor-1262	5	10.382	-0.004	10949472	773.5	5	10.744	-0.002	6473338	581.9
Total Col1Ave (5 peaks):		731.6				Total Col2Ave (5 peaks):		554.0	RPD = 28	
Corrected Ave (5 peaks):		731.6				Corrected Ave (5 peaks):		554.0	RPD = 28	
Aroclor-1268	1	9.777	-0.001	10954775	233.0	1	10.101	0.001	7797978	224.0
Aroclor-1268	2	9.839	0.001	11571374	258.9	2	10.154	-0.005	13647759	412.9
Aroclor-1268	3	10.178	0.017	4495819	118.9	3	10.495	0.002	696922	26.8

Aroclor-1268	4	10.801	0.001	4264091	42.1	4	11.149	-0.003	2035063	26.8

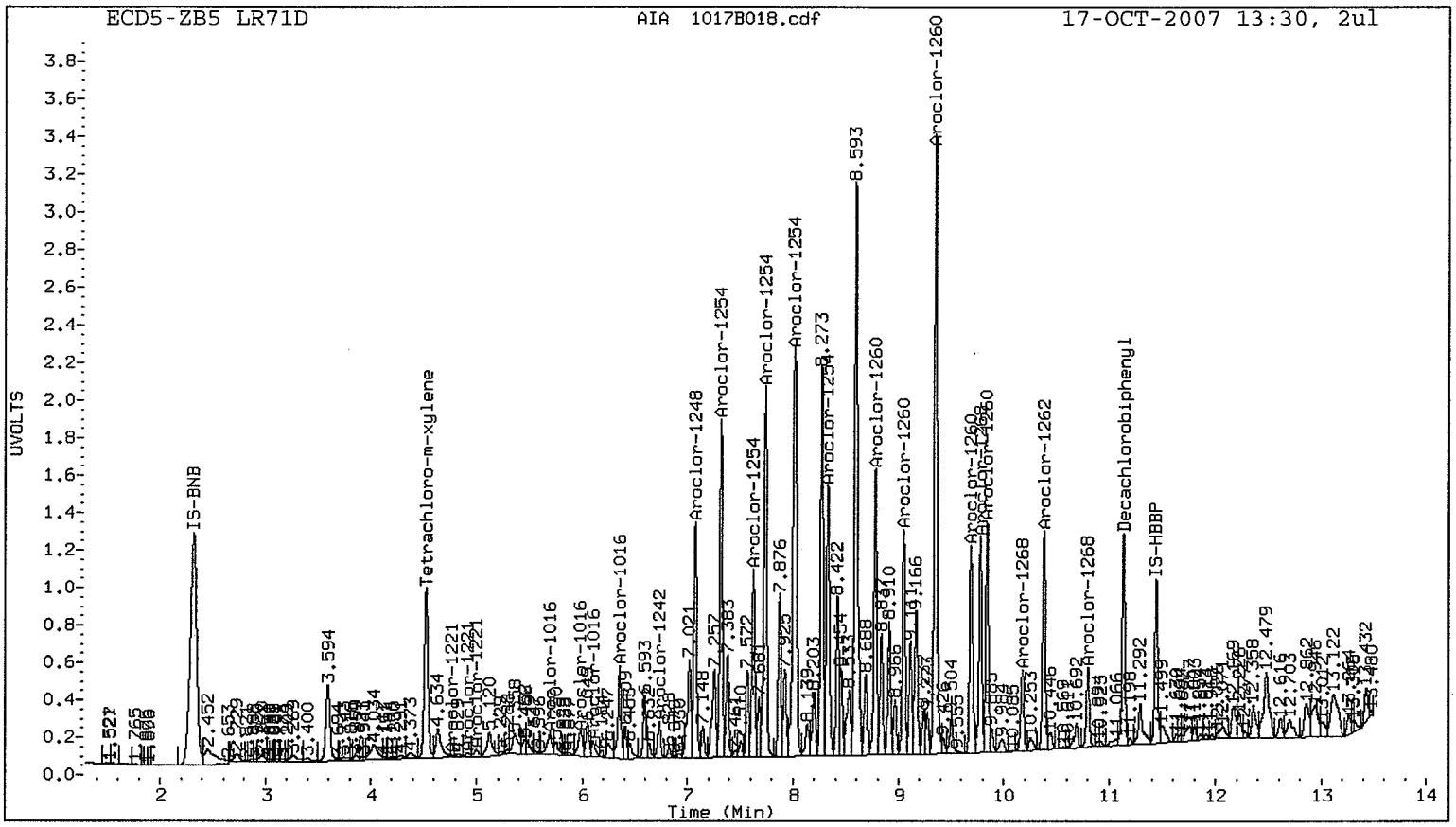
Total Col1Ave (4 peaks): 163.2 Total Col2Ave (4 peaks): 172.6 RPD = 6

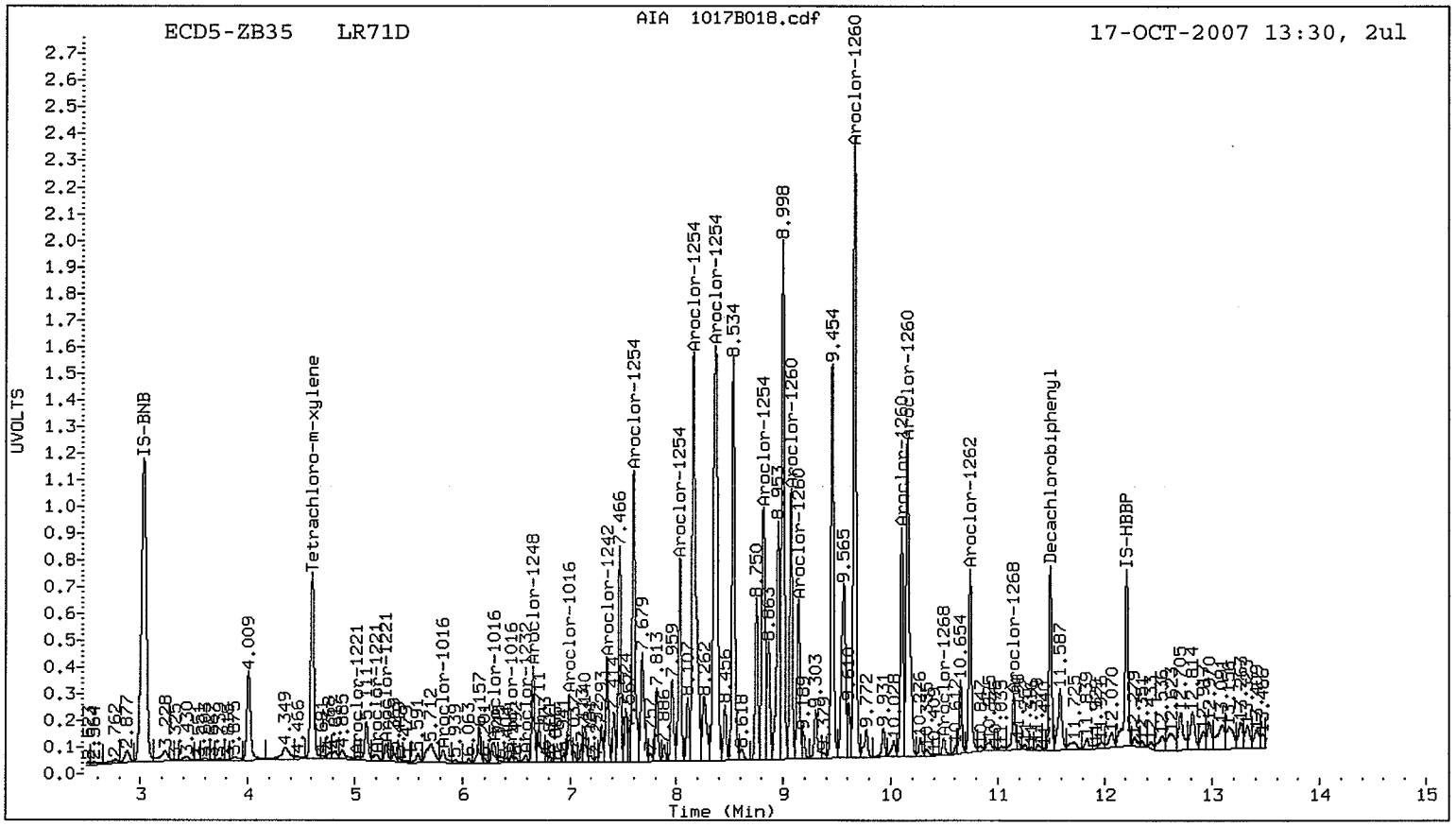
Corrected Ave (4 peaks): 163.2 Corrected Ave (3 peaks): 92.5 RPD = 55*

Total PCB Area Col1 (4.623 - 11.035) = 407064039 Col1 Total PCB = 2.1 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 273320453 Col2 Total PCB = 2.0 ppm*

* Quantitated against AR1660 0.25ppm in Ical


ECD5-ZB5 LR71D
AIA 1017B018.cdf
17-OCT-2007 13:30, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP


ECD5-ZB35 LR71D
AIA 1017B018.cdf
17-OCT-2007 13:30, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1221
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl
IS-HBBP

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-10-070928
SAMPLE

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 13:47
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No

Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**210 E**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	94.5%
Tetrachlorometaxylene	101%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B019.d
Data file 2: 20071016.b/1017-2.b/1017B019.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71E
Client ID: AN-SS-10-070928
Injection Date: 17-OCT-2007 13:47
Report Date: 10/17/2007 15:17
Matrix: SOIL
Dilution Factor: 1.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.523	0.000	12806219	4.602	-0.003	10887527	35.4	40.4	13.2	Tetrachloro-m-xyleneN
11.135	0.000	12132322	11.495	-0.001	6656356	37.8	35.5	6.3	DecachlorobiphenylN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	88.4	100.9
Decachlorobiphenyl	94.6	88.8

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	27635450	-12.5
Hexabromobiphenyl	9983366	10095695	1.1

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20521660	1.0
Hexabromobiphenyl	6610345	7803250	18.0

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	RT	Shift	ZB5 Col Area	Amount	Peak#	RT	Shift	ZB35 Col Area	Amount
Aroclor-1016	1	5.694	-0.001	2067866	237.1	1	5.822	-0.002	887247	87.4
Aroclor-1016	2	5.979	-0.012	2810390	106.6	2	6.280	-0.013	1398729	65.2
Aroclor-1016	3	6.103	0.001	1575990	136.2	3	6.451	-0.002	292409	34.2
Aroclor-1016	4	6.356	-0.001	490299355	69123.9	4	6.923	-0.067	400900806	59602.8
Total Col1Ave (4 peaks):				17401.0		Total Col2Ave (4 peaks):			14947.4	RPD = 15
Corrected Ave (3 peaks):				160.0		Corrected Ave (3 peaks):			62.3	RPD = 88*
Aroclor-1221	1	4.797	0.014	202897	53.3	1	5.029	-0.036	859631	257.5
Aroclor-1221	2	4.909	0.000	711045	280.2	2	5.200	-0.040	1153664	599.5
Aroclor-1221	3	4.989	0.003	1844538	215.2	3	5.292	-0.031	851079	145.1
Aroclor-1221	NS	---			----	4	5.822	-0.014	887247	374.0
Total Col1Ave (3 peaks):				182.9		Total Col2Ave (4 peaks):			344.0	RPD = 61*
Corrected Ave (3 peaks):				182.9		Corrected Ave (3 peaks):			258.9	RPD = 34
Aroclor-1232	1	4.989	0.005	1844538	256.4	1	5.292	-0.031	851079	170.9
Aroclor-1232	2	5.694	-0.002	2067866	527.5	2	5.822	-0.003	887247	177.5
Aroclor-1232	3	5.979	-0.012	2810390	240.6	3	6.280	-0.014	1398729	147.9
Aroclor-1232	4	6.103	-0.001	1575990	297.2	4	6.587	-0.003	423665	178.9
Total Col1Ave (4 peaks):				330.4		Total Col2Ave (4 peaks):			168.8	RPD = 65*
Corrected Ave (4 peaks):				330.4		Corrected Ave (4 peaks):			168.8	RPD = 65*
Aroclor-1242	1	5.694	-0.002	2067866	294.1	1	5.292	-0.031	851079	205.9
Aroclor-1242	2	5.979	-0.013	2810390	133.2	2	5.822	-0.002	887247	109.7
Aroclor-1242	3	6.103	-0.001	1575990	168.8	3	6.280	-0.013	1398729	83.0
Aroclor-1242	4	6.731	-0.004	10171312	1138.0	4	6.451	-0.002	292409	43.4
Aroclor-1242	NS	---			----	5	7.349	0.000	22983097	3559.3
Total Col1Ave (4 peaks):				433.5		Total Col2Ave (5 peaks):			800.2	RPD = 59*
Corrected Ave (3 peaks):				198.7		Corrected Ave (4 peaks):			110.5	RPD = 57*
Aroclor-1248	1	5.979	-0.013	2810390	182.5	1	6.280	-0.011	1398729	110.6
Aroclor-1248	2	6.103	-0.002	1575990	268.9	2	6.656	0.000	18732306	2671.9
Aroclor-1248	3	6.356	-0.001	490299355	53642.0	3	6.923	-0.067	400900806	48720.3
Aroclor-1248	4	6.731	-0.005	10171312	755.4	4	7.349	0.000	22983097	2016.3
Aroclor-1248	5	7.075	0.001	60151355	3375.1	NS	---			----
Total Col1Ave (5 peaks):				11644.8		Total Col2Ave (4 peaks):			13379.8	RPD = 14
Corrected Ave (4 peaks):				1145.4		Corrected Ave (3 peaks):			1599.6	RPD = 33
Aroclor-1254	1	7.321	-0.002	92498808	4699.0	1	7.597	-0.001	57249953	4895.5
Aroclor-1254	2	7.628	-0.003	61298573	5057.7	2	8.036	0.000	45284457	5082.4
Aroclor-1254	3	7.741	-0.004	121215030	5034.0	3	8.162	0.000	104103520	5424.5
Aroclor-1254	4	8.025	-0.007	144847603	5588.2	4	8.359	-0.005	113430288	5855.6
Aroclor-1254	5	8.332	-0.004	87987954	5777.7	5	8.809	-0.007	66771611	6125.5
Total Col1Ave (5 peaks):				5231.3		Total Col2Ave (5 peaks):			5476.7	RPD = 5
Corrected Ave (5 peaks):				5231.3		Corrected Ave (5 peaks):			5476.7	RPD = 5
Aroclor-1260	1	8.778	-0.001	12597251	696.4	1	9.071	-0.001	7374142	614.0
Aroclor-1260	2	9.047	-0.002	11678884	762.5	2	9.140	0.000	11560489	1700.1
Aroclor-1260	3	9.348	-0.001	35322865	875.7	3	9.664	0.000	24600676	858.2
Aroclor-1260	4	9.687	-0.003	19709326	1055.7	4	10.107	0.004	8764788	1131.4
Aroclor-1260	5	9.839	-0.001	8259685	714.4	5	10.153	0.000	17123748	958.9
Total Col1Ave (5 peaks):				820.9		Total Col2Ave (5 peaks):			1052.5	RPD = 25
Corrected Ave (5 peaks):				820.9		Corrected Ave (5 peaks):			1052.5	RPD = 25
Aroclor-1262	1	9.047	-0.003	11678884	567.0	1	9.071	-0.003	7374142	376.3
Aroclor-1262	2	9.348	-0.003	35322865	680.6	2	9.664	-0.002	24600676	678.0
Aroclor-1262	3	9.687	-0.003	19709326	1242.8	3	10.107	0.005	8764788	573.1
Aroclor-1262	4	9.839	-0.003	8259685	362.9	4	10.153	-0.004	17123748	726.2
Aroclor-1262	5	10.382	-0.003	9832136	569.6	5	10.743	-0.003	4794412	414.3
Total Col1Ave (5 peaks):				684.6		Total Col2Ave (5 peaks):			553.6	RPD = 21
Corrected Ave (4 peaks):				545.0		Corrected Ave (5 peaks):			553.6	RPD = 2
Aroclor-1268	1	9.776	-0.002	9123578	159.1	1	10.107	0.006	8764788	242.1
Aroclor-1268	2	9.839	0.001	8259685	151.6	2	10.153	-0.005	17123748	498.0
Aroclor-1268	3	10.179	0.018	3892007	84.4	3	10.492	-0.002	559253	20.7

Aroclor-1268	4	10.800	0.001	3259603	26.4	4	11.150	-0.001	1235709	15.6

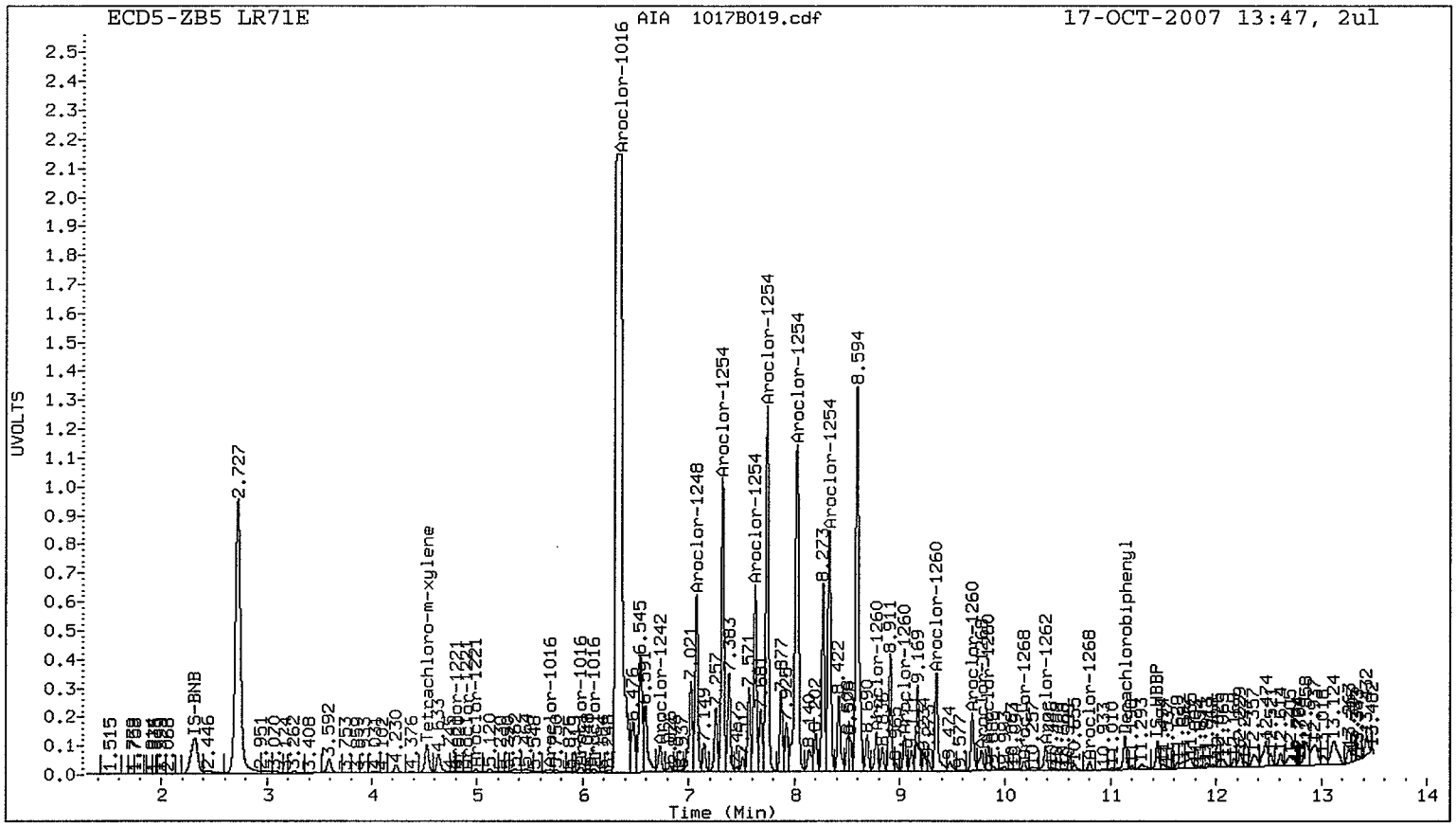
Total Col1Ave (4 peaks): 105.4 Total Col2Ave (4 peaks): 194.1 RPD = 59*

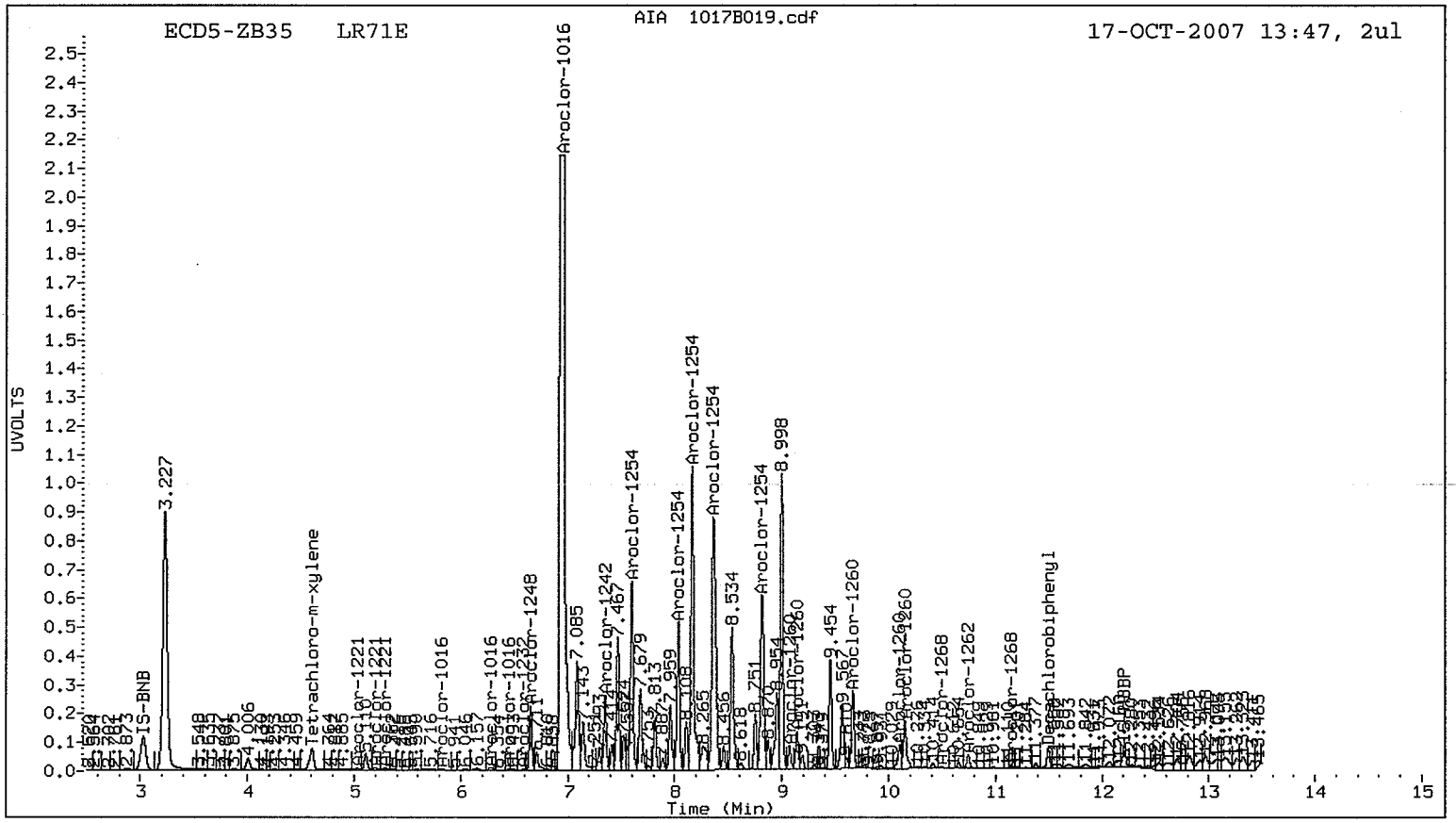
Corrected Ave (4 peaks): 105.4 Corrected Ave (3 peaks): 92.8 RPD = 13

Total PCB Area Col1 (4.623 - 11.035) = 1900429058 Col1 Total PCB = 9.2 ppm*

Total PCB Area Col2 (4.705 - 11.396) = 1434199896 Col2 Total PCB = 9.6 ppm*

* Quantitated against AR1660 0.25ppm in Ical


ECD5-ZB5 LR71E
AIA 1017B019.cdf
17-OCT-2007 13:47, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl


ECD5-ZB35 LR71E
AIA 1017B019.cdf
17-OCT-2007 13:47, 2ul
UVOLTS
Time (Min)
IS-BNB
Tetrachloro-m-xylene
Aroclor-1016
Aroclor-1242
Aroclor-1248
Aroclor-1254
Aroclor-1260
Aroclor-1262
Aroclor-1268
Decachlorobiphenyl

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD
Page 1 of 1

Sample ID: AN-SS-10-070928
DILUTION

Lab Sample ID: LR71E
LIMS ID: 07-20770
Matrix: Sediment
Data Release Authorized:
Reported: 10/19/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/11/07
Date Analyzed: 10/17/07 17:30
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 10.0
Silica Gel: No

Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	39	< 39 U
53469-21-9	Aroclor 1242	39	< 39 U
12672-29-6	Aroclor 1248	39	< 39 U
11097-69-1	**Aroclor 1254**	**39**	**230**
11096-82-5	Aroclor 1260	39	< 39 U
11104-28-2	Aroclor 1221	39	< 39 U
11141-16-5	Aroclor 1232	39	< 39 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	118%
Tetrachlorometaxylene	110%

Analytical Resources Inc.
Dual Column PCB Quantitation Report

Data file 1: 20071016.b/1017-1.b/1017B032.d
Data file 2: 20071016.b/1017-2.b/1017B032.d
Method: /chem2/ecd5.i/20071016.b/PCB1.m
Compound Sublist: PCB
Instrument, Inj. Vol.: ecd5.i, 2ul
Quant Method: Internal Std

ARI ID: LR71E
Client ID: AN-SS-10-070928
Injection Date: 17-OCT-2007 17:30
Report Date: 10/18/2007 09:44
Matrix: SOIL
Dilution Factor: 10.000

ZB5 Col RT	ZB5 Col Shift	ZB5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB5 on col	ZB35 on col	RPD	Compound/Flag
4.524	0.001	1805305	4.606	0.001	1188678	4.3	4.4	2.4	Tetrachloro-m-xyleneN
11.135	0.000	1244041	11.495	-0.001	662040	4.7	4.5	6.1	Decachlorobiphenyl MN

* Indicates RPD > 40%
M Indicates Column 1 peak was manually integrated
N Indicates Column 2 peak was manually integrated

SURROGATE PERCENT RECOVERY

SURROGATE	Col1	Col2
Tetrachloro-m-xylene	108.0	110.6
Decachlorobiphenyl	118.6	111.6

INTERNAL STANDARD SUMMARY

Column 1

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	31569414	31890129	1.0
Hexabromobiphenyl	9983366	8259077	-17.3

Column 2

Standard Cpnd	Standard Area*	Sample Area	%D
Bromo-Nitrobenzene	20324893	20430985	0.5
Hexabromobiphenyl	6610345	6175812	-6.6

* Standard Areas taken from Initial Cal Level 3
Initial Calibration Date: 16-OCT-2007
<- Indicates standard response outside Limits (-50 to +100%)

Aroclor	Peak#	ZB5 Col RT	Shift	Area	Amount	Peak#	ZB35 Col RT	Shift	Area	Amount
Aroclor-1016	1	5.695	-0.001	141873	14.1	1	5.824	-0.001	132400	13.1
Aroclor-1016	2	5.985	-0.006	270560	8.9	2	6.286	-0.007	223597	10.5
Aroclor-1016	3	6.106	0.003	174841	13.1	3	6.455	0.002	32652	3.8
Aroclor-1016	4	6.368	0.011	125823277	15372.3	4	6.968	-0.022	90117173	13457.4
	Total Col1Ave (4 peaks):			3852.1		Total Col2Ave (4 peaks):			3371.2	RPD = 13
	Corrected Ave (3 peaks):			12.0		Corrected Ave (3 peaks):			9.1	RPD = 27
Aroclor-1221	1	4.690	-0.093	4568109	1039.2	1	5.038	-0.028	75894	22.8
Aroclor-1221	2	4.993	0.084	605760	206.8	2	5.153	-0.087	2893748	1510.4
Aroclor-1221	3	---			0.0	3	5.356	0.033	237351	40.6
Aroclor-1221	NS	---			----	4	5.824	-0.013	132400	56.1
	Col1Ave: <3 Quant Peaks					Col2Ave:	407.5			
Aroclor-1232	1	4.993	0.009	605760	73.0	1	5.356	0.033	237351	47.9
Aroclor-1232	2	5.695	-0.001	141873	31.4	2	5.824	-0.002	132400	26.6
Aroclor-1232	3	5.985	-0.006	270560	20.1	3	6.286	-0.008	223597	23.8
Aroclor-1232	4	6.106	0.002	174841	28.6	4	6.591	0.001	58410	24.8
	Total Col1Ave (4 peaks):			38.2		Total Col2Ave (4 peaks):			30.8	RPD = 22
	Corrected Ave (3 peaks):			26.7		Corrected Ave (4 peaks):			30.8	RPD = 14
Aroclor-1242	1	5.695	-0.001	141873	17.5	1	5.356	0.033	237351	57.7
Aroclor-1242	2	5.985	-0.007	270560	11.1	2	5.824	0.000	132400	16.4
Aroclor-1242	3	6.106	0.002	174841	16.2	3	6.286	-0.007	223597	13.3
Aroclor-1242	4	6.732	-0.003	2855945	276.9	4	6.455	0.002	32652	4.9
Aroclor-1242	NS	---			----	5	7.350	0.001	2939696	457.3
	Total Col1Ave (4 peaks):			80.4		Total Col2Ave (5 peaks):			109.9	RPD = 31
	Corrected Ave (3 peaks):			14.9		Corrected Ave (4 peaks):			23.1	RPD = 43*
Aroclor-1248	1	5.985	-0.007	270560	15.2	1	6.286	-0.005	223597	17.8
Aroclor-1248	2	6.106	0.001	174841	25.8	2	6.657	0.001	2286556	327.6
Aroclor-1248	3	6.368	0.011	125823277	11929.3	3	6.968	-0.022	90117173	11000.3
Aroclor-1248	4	6.732	-0.004	2855945	183.8	4	7.350	0.001	2939696	259.0
Aroclor-1248	5	7.075	0.001	7845065	381.5	NS	---			----
	Total Col1Ave (5 peaks):			2507.1		Total Col2Ave (4 peaks):			2901.2	RPD = 15
	Corrected Ave (4 peaks):			151.6		Corrected Ave (3 peaks):			201.5	RPD = 28
Aroclor-1254	1	7.322	-0.001	11521327	507.2	1	7.598	0.001	6385966	548.5
Aroclor-1254	2	7.630	-0.001	7474025	534.4	2	8.035	0.000	4929122	555.7
Aroclor-1254	3	7.743	-0.002	14665145	527.8	3	8.161	-0.001	10959149	573.6
Aroclor-1254	4	8.029	-0.003	17409555	582.0	4	8.361	-0.003	12017522	623.1
Aroclor-1254	5	8.336	0.000	10327965	587.7	5	8.814	-0.003	6886366	634.5
	Total Col1Ave (5 peaks):			547.8		Total Col2Ave (5 peaks):			587.1	RPD = 7
	Corrected Ave (5 peaks):			547.8		Corrected Ave (5 peaks):			587.1	RPD = 7
Aroclor-1260	1	8.779	-0.001	1609375	108.7	1	9.072	0.000	888944	93.5
Aroclor-1260	2	9.048	0.000	1407755	112.3	2	9.140	0.000	1243389	231.0
Aroclor-1260	3	9.348	0.000	4045134	122.6	3	9.664	0.000	2572315	113.4
Aroclor-1260	4	9.688	-0.002	2238776	146.6	4	10.103	0.000	743695	121.3
Aroclor-1260	5	9.840	0.000	936069	99.0	5	10.153	-0.001	1649446	116.7
	Total Col1Ave (5 peaks):			117.8		Total Col2Ave (5 peaks):			135.2	RPD = 14
	Corrected Ave (5 peaks):			117.8		Corrected Ave (4 peaks):			111.2	RPD = 6
Aroclor-1262	1	9.048	-0.002	1407755	83.5	1	9.072	-0.001	888944	57.3
Aroclor-1262	2	9.348	-0.002	4045134	95.3	2	9.664	-0.002	2572315	89.6
Aroclor-1262	3	9.688	-0.003	2238776	172.6	3	10.103	0.001	743695	61.4
Aroclor-1262	4	9.840	-0.002	936069	50.3	4	10.153	-0.005	1649446	88.4
Aroclor-1262	5	10.383	-0.002	826716	58.5	5	10.744	-0.002	448084	48.9
	Total Col1Ave (5 peaks):			92.0		Total Col2Ave (5 peaks):			69.1	RPD = 28
	Corrected Ave (4 peaks):			71.9		Corrected Ave (5 peaks):			69.1	RPD = 4
Aroclor-1268	1	9.777	-0.001	887061	18.9	1	10.103	0.002	743695	26.0
Aroclor-1268	2	9.840	0.001	936069	21.0	2	10.153	-0.006	1649446	60.6
Aroclor-1268	3	10.179	0.018	338507	9.0	3	10.494	0.001	32740	1.5
Aroclor-1268	4	10.810	0.010	917466	9.1	4	11.151	0.000	139824	2.2