Geomatrix

APPENDIX E

Hazardous Waste Storage Area Analytical Results

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060523.b/0523a013.d
Method: /chem3/fid3a.i/20060523.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/23/2006
Macro: 15-MAR-2006

ARI ID: JJ90C
Client ID:
Injection: 23-MAY-2006 08:45
Dilution Factor: 10

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	35112	1
C8	----				DIESEL (C12-C24)	26325687	2090
C10	2.557	-0.012	197	82	M.OIL (C24-C38)	2370289	270
C12	3.104	0.007	931	500	AK-102 (C10-C25)	26580154	1661
C14	3.423	0.000	44459	28858	AK-103 (C25-C36)	1995279	314
C16	3.681	0.000	781538	823065			
C18	3.908	0.000	758171	90577			
C20	4.136	0.005	130946	74749			
C22	4.346	-0.001	30617	8937			
C24	4.569	0.013	35325	40408			
C25	4.658	-0.005	34313	6108			
C26	4.770	0.000	36789	10760			
C28	4.988	0.000	34491	10140			
C32	5.446	0.000	46931	106800			
C34	5.653	0.000	23266	12581	CREOSOT (C12-C22)	25953275	6789
Filter Peak	6.189	0.000	9795	6810			
C36	5.857	0.000	14752.0	3524	o-Terph Surrogate Rec = 0.0%	(0) NR	
C38	6.069	0.001	9980.0	2772	Triacon Surrogate Rec = 101.8%	(64917)	
C40	6.324	-0.001	8706	3469			
o-terph	----				JET-A (C10-C18)	22236204	1692
Triacon Surr	5.214	-0.017	61448	64917			

05/23/06

Range Times: NW Diesel(3.096 - 4.556) AK102(2.57 - 4.66) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.07) AK103(4.66 - 5.86) OR Diesel(2.57 - 4.99)

Data File: /chem3/fid3a.i/20060523.b/0523a013.d

Date : 23-MAY-2006 08:45

Client ID:

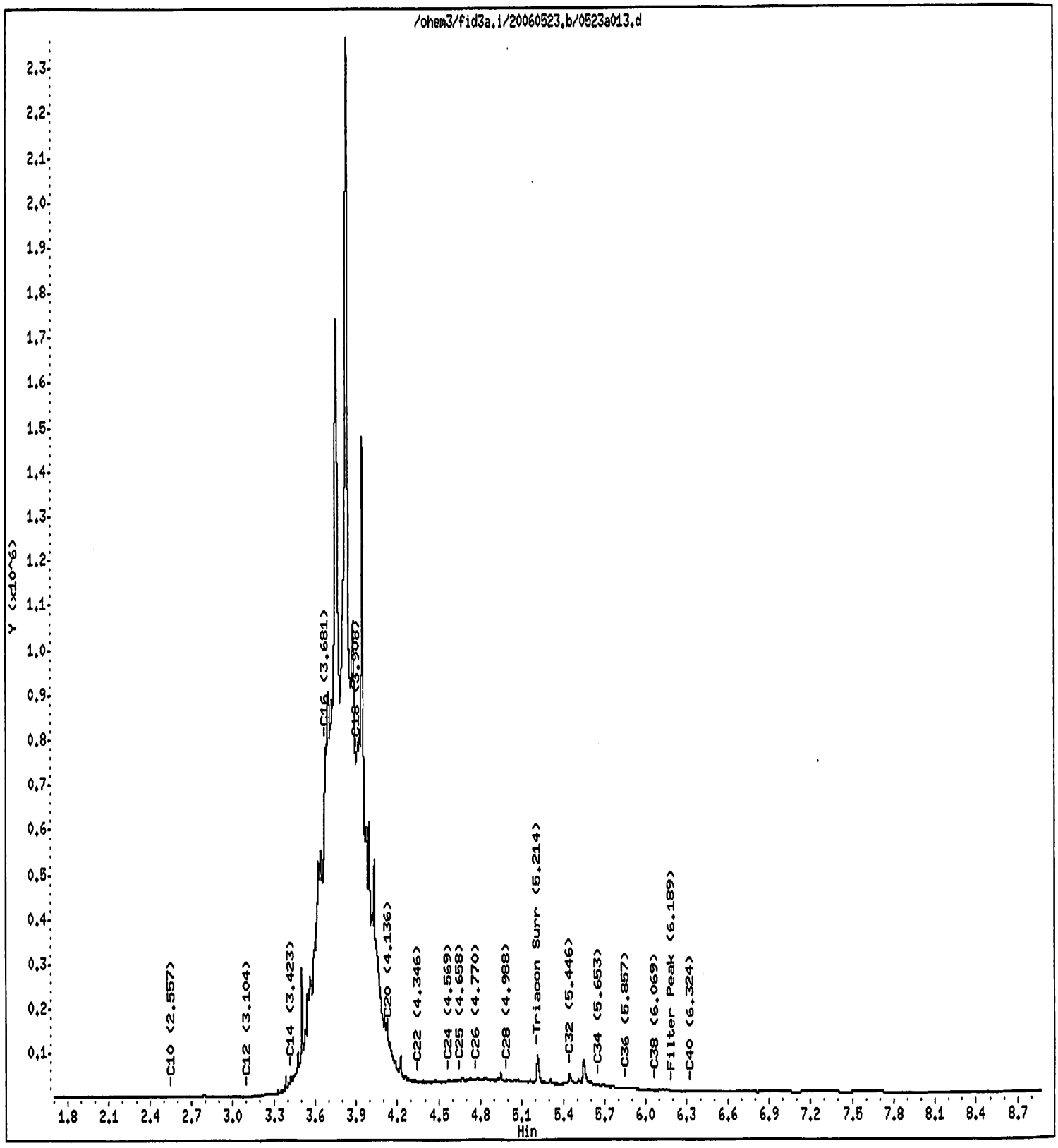
Sample Info: JJ90C,10

Instrument: fid3a.i

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: METHOD BLANK

Lab Sample ID: JJ90MB
LIMS ID: 06-8678
Matrix: Water
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
200.7	05/22/06	200.7	05/23/06	7440-36-0	Antimony	0.05	0.05	U
200.7	05/22/06	200.7	05/23/06	7440-38-2	Arsenic	0.05	0.05	U
200.7	05/22/06	200.7	05/23/06	7440-43-9	Cadmium	0.002	0.002	U
200.7	05/22/06	200.7	05/23/06	7440-47-3	Chromium	0.005	0.005	U
200.7	05/22/06	200.7	05/23/06	7440-50-8	Copper	0.002	0.002	U
200.7	05/22/06	200.7	05/23/06	7439-92-1	Lead	0.02	0.02	U
245.1	05/22/06	245.1	05/24/06	7439-97-6	Mercury	0.0001	0.0001	U
200.7	05/22/06	200.7	05/23/06	7440-66-6	Zinc	0.006	0.006	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: RP051906-1
SAMPLE

Lab Sample ID: JJ90A
LIMS ID: 06-8678
Matrix: Water
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
200.7	05/22/06	200.7	05/23/06	7440-36-0	Antimony	0.05	0.05	U
200.7	05/22/06	200.7	05/23/06	**7440-38-2**	**Arsenic**	0.05	**0.09**	
200.7	05/22/06	200.7	05/23/06	7440-43-9	Cadmium	0.002	0.002	U
200.7	05/22/06	200.7	05/23/06	**7440-47-3**	**Chromium**	0.005	**0.082**	
200.7	05/22/06	200.7	05/23/06	**7440-50-8**	**Copper**	0.002	**6.39**	
200.7	05/22/06	200.7	05/23/06	**7439-92-1**	**Lead**	0.02	**0.07**	
245.1	05/22/06	245.1	05/24/06	**7439-97-6**	**Mercury**	0.0001	**0.0006**	
200.7	05/22/06	200.7	05/23/06	**7440-66-6**	**Zinc**	0.006	**0.395**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: LAB CONTROL

Lab Sample ID: JJ90LCS
LIMS ID: 06-8678
Matrix: Water
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	200.7	2.18	2.00	109%	
Arsenic	200.7	1.99	2.00	99.5%	
Cadmium	200.7	0.489	0.500	97.8%	
Chromium	200.7	0.514	0.500	103%	
Copper	200.7	0.516	0.500	103%	
Lead	200.7	2.04	2.00	102%	
Mercury	245.1	0.0020	0.0020	100%	
Zinc	200.7	0.529	0.500	106%	

Reported in mg/L

N-Control limit not met
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: METHOD BLANK

Lab Sample ID: JJ90MB
LIMS ID: 06-8679
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/23/06	6010B	05/24/06	7440-36-0	Antimony	5	5	U
3050B	05/23/06	6010B	05/24/06	7440-38-2	Arsenic	5	5	U
3050B	05/23/06	6010B	05/24/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	05/23/06	6010B	05/24/06	7440-47-3	Chromium	0.5	0.5	U
3050B	05/23/06	6010B	05/24/06	7440-50-8	Copper	0.2	0.2	U
3050B	05/23/06	6010B	05/24/06	7439-92-1	Lead	2	2	U
CLP	05/22/06	7471A	05/24/06	7439-97-6	Mercury	0.05	0.05	U
3050B	05/23/06	6010B	05/24/06	7440-66-6	Zinc	0.6	0.6	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: RP051906-2
SAMPLE

Lab Sample ID: JJ90B
LIMS ID: 06-8679
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Percent Total Solids: 66.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/23/06	6010B	05/24/06	7440-36-0	Antimony	7	7	U
3050B	05/23/06	6010B	05/24/06	7440-38-2	Arsenic	7	7	U
3050B	05/23/06	6010B	05/24/06	7440-43-9	Cadmium	0.3	0.3	U
3050B	05/23/06	6010B	05/24/06	**7440-47-3**	**Chromium**	0.7	**14.4**	
3050B	05/23/06	6010B	05/24/06	**7440-50-8**	**Copper**	0.3	**110**	
3050B	05/23/06	6010B	05/24/06	**7439-92-1**	**Lead**	3	**4**	
CLP	05/22/06	7471A	05/24/06	7439-97-6	Mercury	0.06	0.06	U
3050B	05/23/06	6010B	05/24/06	**7440-66-6**	**Zinc**	0.9	**35.0**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: RP051906-3
SAMPLE

Lab Sample ID: JJ90C
LIMS ID: 06-8680
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Percent Total Solids: 83.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	05/23/06	6010B	05/24/06	7440-36-0	Antimony	6	6	U
3050B	05/23/06	6010B	05/24/06	7440-38-2	Arsenic	6	6	U
3050B	05/23/06	6010B	05/24/06	7440-43-9	Cadmium	0.2	0.2	U
3050B	05/23/06	6010B	05/24/06	7440-47-3	Chromium	0.6	13.3	
3050B	05/23/06	6010B	05/24/06	7440-50-8	Copper	0.2	540	
3050B	05/23/06	6010B	05/24/06	7439-92-1	Lead	2	4	
CLP	05/22/06	7471A	05/24/06	7439-97-6	Mercury	0.05	0.11	
3050B	05/23/06	6010B	05/24/06	7440-66-6	Zinc	0.7	34.6	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: LAB CONTROL

Lab Sample ID: JJ90LCS
LIMS ID: 06-8679
Matrix: Soil
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Antimony	6010B	210	200	105%	
Arsenic	6010B	204	200	102%	
Cadmium	6010B	51.2	50.0	102%	
Chromium	6010B	50.3	50.0	101%	
Copper	6010B	51.9	50.0	104%	
Lead	6010B	203	200	102%	
Mercury	7471A	1.07	1.00	107%	
Zinc	6010B	49.4	50.0	98.8%	

Reported in mg/kg-dry

N-Control limit not met
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID
Page 1 of 1
Matrix: Water

QC Report No: JJ90-Geomatrix Consultants, Inc
Project: FRP 8769
8769
Date Received: 05/24/06

Data Release Authorized:
Reported: 05/26/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result mg/L
MB-052406	Method Blank	05/24/06	05/25/06	1.0	Diesel	< 5.0 U
06-8800	HC ID: ---		FID3A		Motor Oil	< 10 U
					o-Terphenyl	87.9%
JJ90A	RP051906-1	05/24/06	05/25/06	1.0	**Diesel**	**1,000 E**
06-8800	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**150**
					o-Terphenyl	NR
JJ90A DL	RP051906-1	05/24/06	05/26/06	10	**Diesel**	**1,100**
06-8800	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**120**
					o-Terphenyl	NR

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID

Sample ID: LCS-052406
LAB CONTROL

Lab Sample ID: LCS-052406
LIMS ID: 06-8800
Matrix: Water
Data Release Authorized:
Reported: 05/26/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Date Extracted: 05/24/06
Date Analyzed: 05/25/06 18:00
Instrument/Analyst: FID3A/AAR

Sample Amount: 500 mL
Final Extract Volume: 50 mL
Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	28.6	30.0	95.3%

TPHD Surrogate Recovery

o-Terphenyl	90.3%

Results reported in mg/L

Analytical Resources Inc.
TPH Quantitation Report

AR 5/26/06

Data file: /chem3/fid3a.i/20060525.b/0525a020.d
Method: /chem3/fid3a.i/20060525.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/26/2006
Macro: 15-MAR-2006

ARI ID: JJ90MBW1
Client ID:
Injection: 25-MAY-2006 17:43

Dilution Factor: 1

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	18782	1
C8	----				DIESEL (C12-C24)	13346	1 LDL
C10	2.574	0.003	72	43	M.OIL (C24-C38)	50993	6 LDL
C12	3.101	0.003	240	252	AK-102 (C10-C25)	19327	1
C14	3.427	0.001	146	47	AK-103 (C25-C36)	33505	5
C16	3.684	0.002	88	38			
C18	3.903	-0.007	119	75			
C20	4.120	-0.014	1190	961			
C22	4.347	-0.003	148	80			
C24	4.569	0.010	142	67			
C25	4.666	-0.001	136	69			
C26	4.776	0.000	150	32			
C28	5.002	0.002	265	164			
C32	5.443	-0.004	590	208			
C34	5.664	0.008	1026	1699	CREOSOT (C12-C22)	11774	3
Filter Peak	6.193	-0.001	1416	224			
C36	5.866	0.004	1202.0	674	o-Terph Surrogate Rec = 17.6%		(134128)
C38	6.070	-0.005	1418.0	1068	Triacon Surrogate Rec = 19.5%		(124603)
C40	6.332	-0.005	1321	1436			
o-terph	3.995	0.009	96715	134128	JET-A (C10-C18)	10067	1
Triacon Surr	5.214	-0.021	146955	124603			

Range Times: NW Diesel(3.098 - 4.559) AK102(2.57 - 4.67) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.07) AK103(4.67 - 5.86) OR Diesel(2.57 - 5.00)

Data File: /chem3/fid3a.i/20060525.b/0525a020.d

Date : 25-MAY-2006 17:43

Client ID:

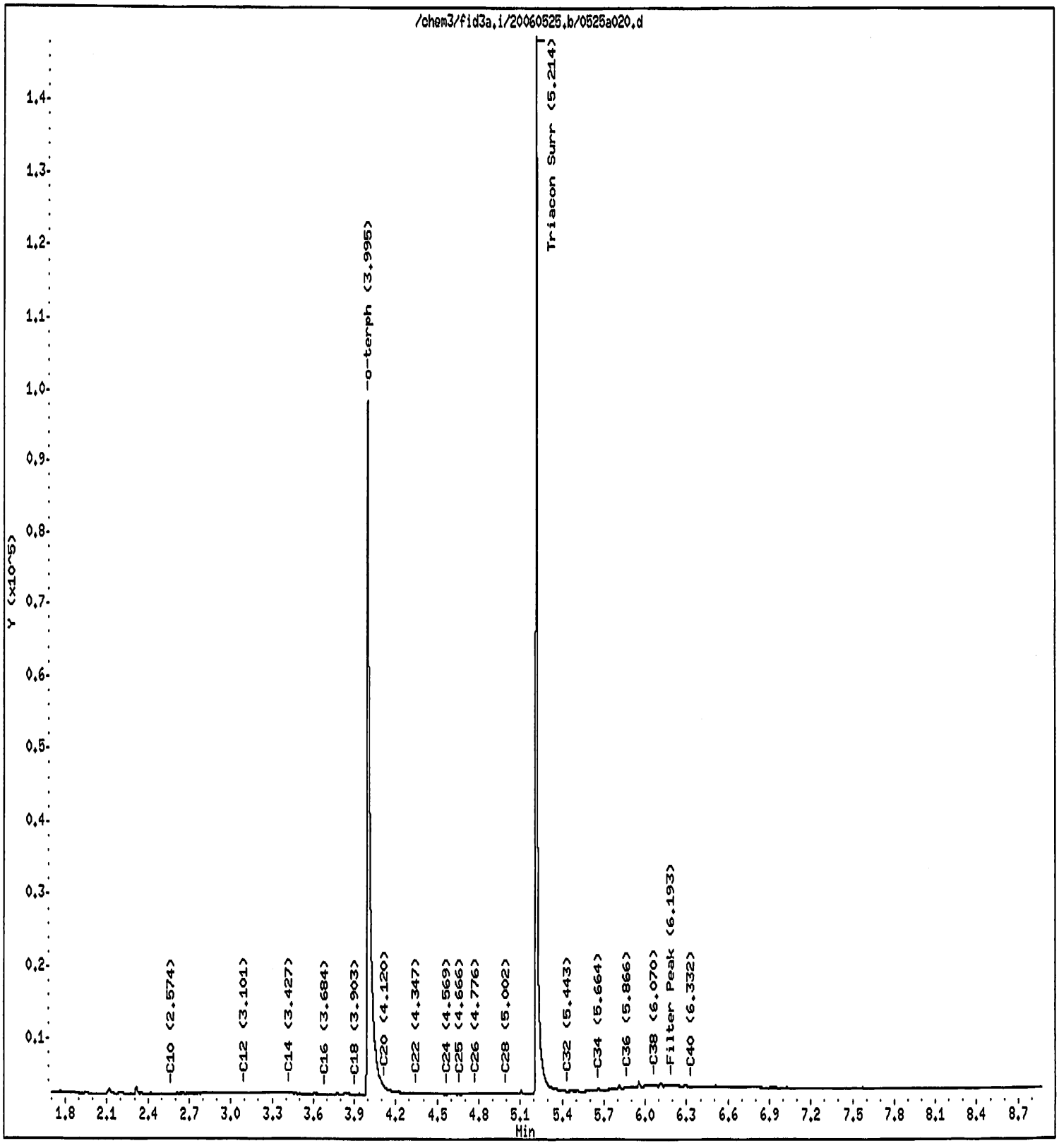
Instrument: fid3a.i

Sample Info: JJ90MBW1

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060525.b/0525a021.d
Method: /chem3/fid3a.i/20060525.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/26/2006
Macro: 15-MAR-2006

ARI ID: JJ90LCSW1
Client ID:
Injection: 25-MAY-2006 18:00

Dilution Factor: 1

AR 5/26/06

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	743929	31
C8	1.203	0.010	5233	14143	DIESEL (C12-C24)	3601418	286 95.3%
C10	2.566	-0.005	6257	3867	M.OIL (C24-C38)	91019	10
C12	3.101	0.002	113004	82651	AK-102 (C10-C25)	4241138	265
C14	3.428	0.002	66915	23810	AK-103 (C25-C36)	52852	8
C16	3.679	-0.003	216575	112306			
C18	3.910	-0.001	173061	97113			
C20	4.133	-0.001	103302	84854			
C22	4.353	0.004	32029	44699			
C24	4.550	-0.009	6792	4259			
C25	4.677	0.010	6271	11301			
C26	4.774	-0.002	2260	444			
C28	4.998	-0.001	1042	943			
C32	5.449	0.001	471	109			
C34	5.650	-0.007	484	113	CREOSOT (C12-C22)	3489340	913
Filter Peak	6.196	0.001	1012	897			
C36	5.861	-0.001	910.0	251	o-Terph Surrogate Rec = 18.1%		(137926)
C38	6.072	-0.003	976.0	290	Triacon Surrogate Rec = 19.7%		(125312)
C40	6.332	-0.005	872	276			
o-terph	3.983	-0.003	292489	137926	JET-A (C10-C18)	3274704	249
Triacon Surr	5.216	-0.019	143683	125312			

Range Times: NW Diesel(3.098 - 4.559) AK102(2.57 - 4.67) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.07) AK103(4.67 - 5.86) OR Diesel(2.57 - 5.00)

Data File: /chem3/fid3a.i/20060525.b/0525a021.d

Date : 25-MAY-2006 18:00

Client ID:

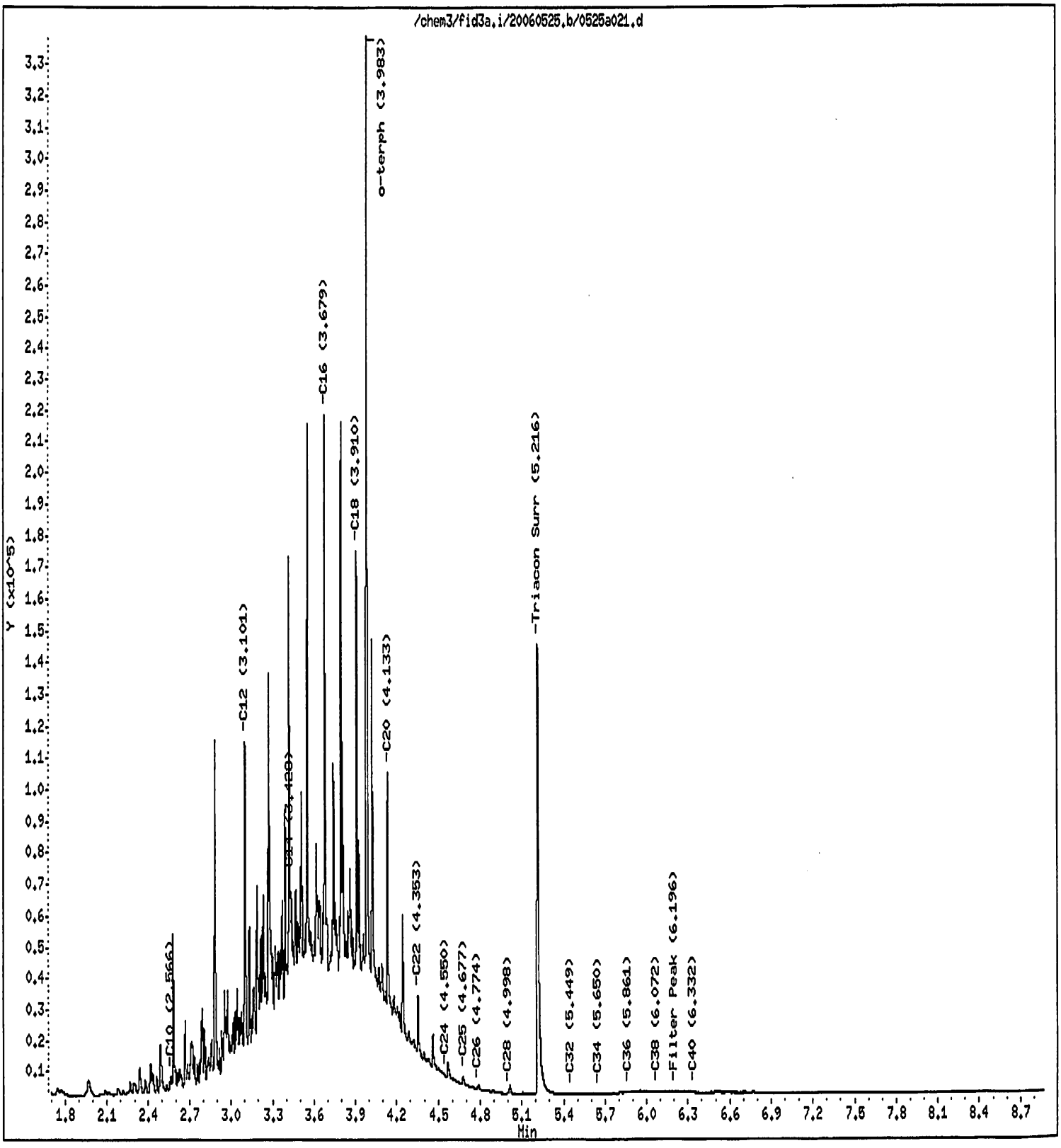
Instrument: fid3a.i

Sample Info: JJ90LCSW1

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060525.b/0525a022.d
Method: /chem3/fid3a.i/20060525.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/26/2006
Macro: 15-MAR-2006

ARI ID: JJ90A
Client ID:
Injection: 25-MAY-2006 18:17

AR 5/26/06

Dilution Factor: 1

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	377496	16
C8	----				DIESEL (C12-C24)	130958237	10396
C10	2.567	-0.005	1087	754	M.OIL (C24-C38)	13150977	1499
C12	3.098	-0.001	11691	11594	AK-102 (C10-C25)	132501095	8279
C14	3.432	0.006	196727	50949	AK-103 (C25-C36)	11240753	1770
C16	3.672	-0.010	2190113	982713			
C18	3.911	0.000	6953761	2482387			
C20	4.110	-0.024	2657099	6929011			
C22	4.347	-0.002	265044	211608			
C24	4.558	-0.001	194392	95857			
C25	4.667	0.000	201184	98953			
C26	4.773	-0.003	186122	84326			
C28	5.001	0.001	165934	29415			
C32	5.439	-0.009	111303	32967			
C34	5.644	-0.012	428197	837382	CREOSOT (C12-C22)	128505781	33614
Filter Peak	6.197	0.002	40683	14394			
C36	5.863	0.000	83901.0	44218	o-Terph Surrogate Rec = 0.0%		(0)
C38	6.078	0.003	48485.0	37113	Triacon Surrogate Rec = 14.9%		(94793)
C40	6.345	0.008	25527	13335			
o-terph	----				JET-A (C10-C18)	95350471	7255
Triacon Surr	5.271	0.036	46909	94793			

Range Times: NW Diesel(3.098 - 4.559) AK102(2.57 - 4.67) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.07) AK103(4.67 - 5.86) OR Diesel(2.57 - 5.00)

Data File: /chem3/fid3a.i/20060525.b/0525a022.d

Date : 25-MAY-2006 18:17

Client ID:

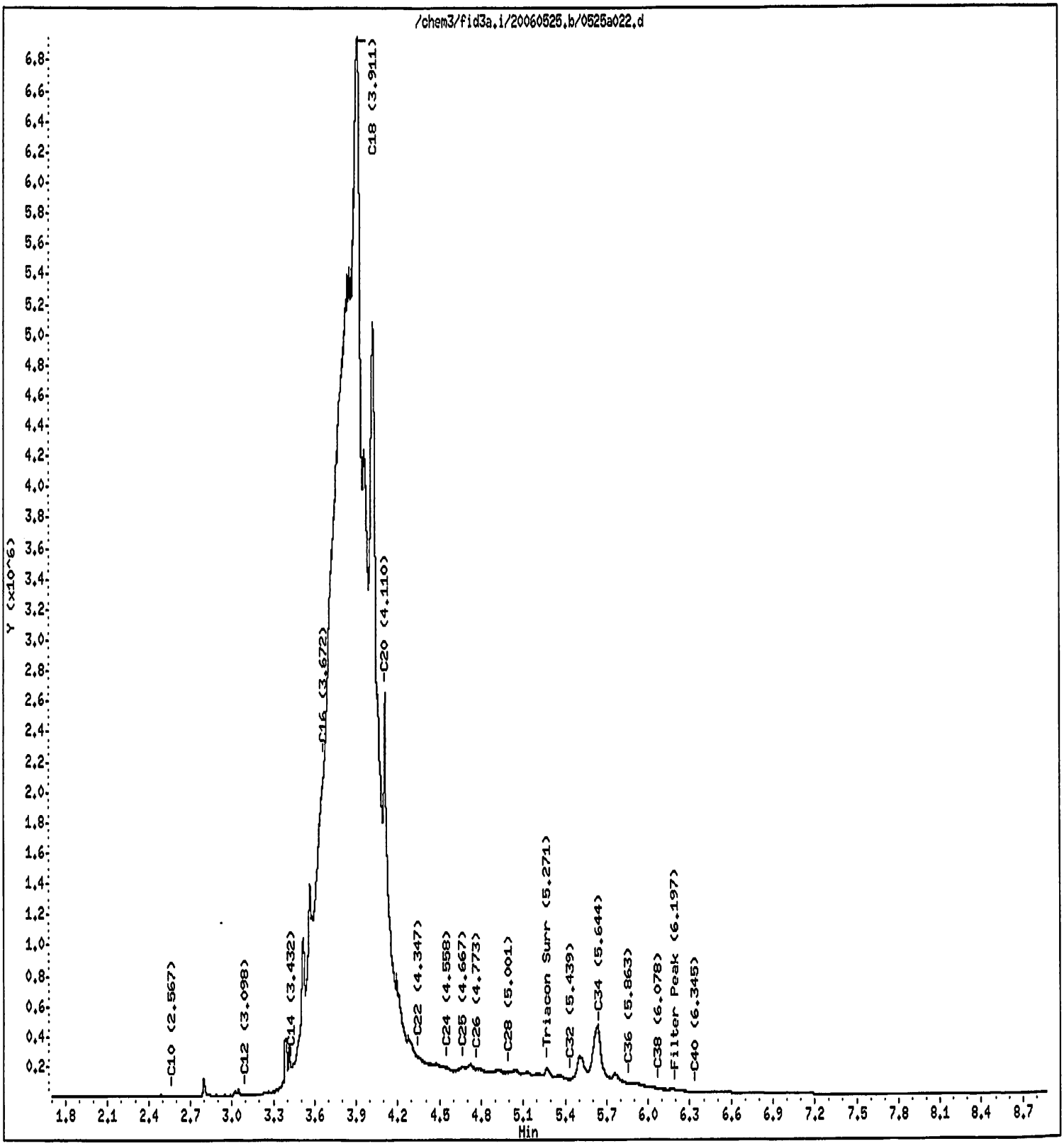
Instrument: fid3a.i

Sample Info: JJ90A

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060526.b/0526a015.d
Method: /chem3/fid3a.i/20060526.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/26/2006
Macro: 15-MAR-2006

ARI ID: JJ90A
Client ID: RP051906-1
Injection: 26-MAY-2006 12:42

Dilution Factor: 10

AR 5/26/06

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	45467	2
C8	----				DIESEL (C12-C24)	14166303	1125 -DRC
C10	2.570	-0.002	174	137	M.OIL (C24-C38)	1039069	118 -RPG
C12	3.106	0.006	2956	4954	AK-102 (C10-C25)	14323034	895
C14	3.426	-0.002	32223	11473	AK-103 (C25-C36)	872644	137
C16	3.682	0.000	1203783	1069271			
C18	3.920	0.009	911030	617645			
C20	4.133	-0.002	107808	112004			
C22	4.349	-0.001	25136	18662			
C24	4.558	-0.002	17936	8270			
C25	4.670	0.002	20857	17991			
C26	4.777	0.001	18072	15782			
C28	5.003	0.005	17738	18168			
C32	5.444	-0.007	30449	41062			
C34	5.659	0.002	8099	6200	CREOSOT (C12-C22)	13924431	3642
Filter Peak	6.187	-0.002	3430	1158			
C36	5.858	0.000	5342.0	2837	o-Terph Surrogate Rec =	0.0%	(0)
C38	6.072	0.002	3652.0	2380	Triacon Surrogate Rec =	0.0%	(0)
C40	6.330	0.001	2730	3375			
o-terph	----				JET-A (C10-C18)	12065094	918
Triacon Surr	----						

Range Times: NW Diesel(3.100 - 4.560) AK102(2.57 - 4.67) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.07) AK103(4.67 - 5.86) OR Diesel(2.57 - 5.00)

Data File: /chem3/fid3a.i/20060526.b/0526a015.d

Date : 26-MAY-2006 12:42

Client ID: RP051906-1

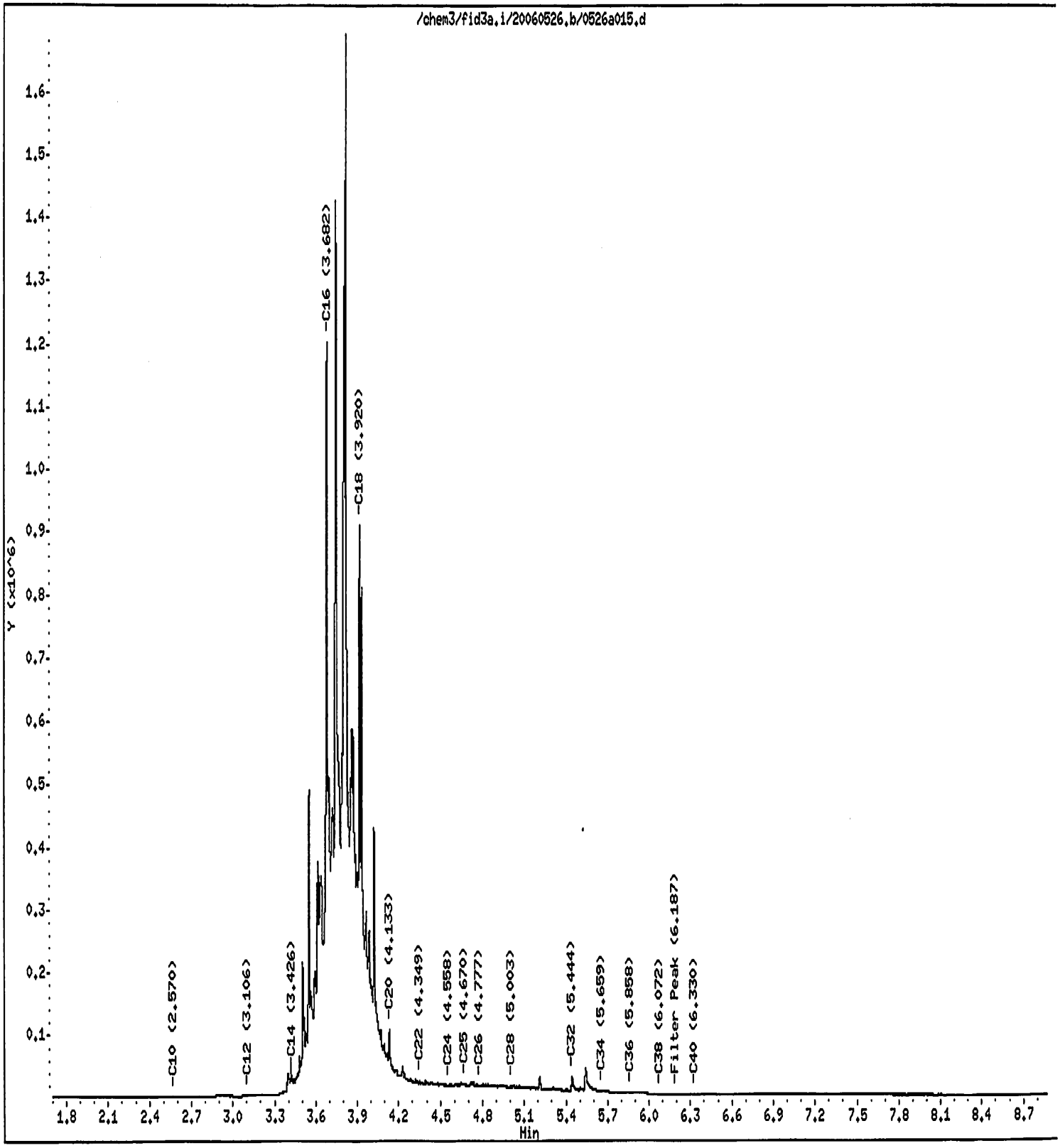
Instrument: fid3a.i

Sample Info: JJ90A,10

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID
Page 1 of 1
Matrix: Soil

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Received: 05/24/06

Data Release Authorized:
Reported: 05/26/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
MB-052406	Method Blank	05/24/06	05/25/06	1.0	Diesel	< 50 U
06-8801	HC ID: ---		FID3A		Motor Oil	< 100 U
					o-Terphenyl	79.1%
JJ90B	RP051906-2	05/24/06	05/25/06	1.0	**Diesel**	**6,000 E**
06-8801	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**1,200**
					o-Terphenyl	NR
JJ90B DL	RP051906-2	05/24/06	05/26/06	5.0	**Diesel**	**6,800**
06-8801	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**1,000**
					o-Terphenyl	79.2%
JJ90C	RP051906-3	05/24/06	05/25/06	1.0	**Diesel**	**8,800 E**
06-8802	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**1,200**
					o-Terphenyl	NR
JJ90C DL	RP051906-3	05/24/06	05/26/06	5.0	**Diesel**	**9,300**
06-8802	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**1,000**
					o-Terphenyl	86.9%

Reported in mg/kg (ppm)

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID

Sample ID: LCS-052406
LAB CONTROL

Lab Sample ID: LCS-052406
LIMS ID: 06-8801
Matrix: Soil
Data Release Authorized:
Reported: 05/26/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Date Extracted: 05/24/06
Date Analyzed: 05/25/06 16:52
Instrument/Analyst: FID3A/AAR

Sample Amount: 10.0 g
Final Extract Volume: 10 mL
Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	1,200	1,500	80.0%

TPHD Surrogate Recovery

o-Terphenyl	82.7%

Results reported in mg/kg

Analytical Resources Inc.
TPH Quantitation Report

AR 5/26/06

Data file: /chem3/fid3a.i/20060525.b/0525a016.d
Method: /chem3/fid3a.i/20060525.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/26/2006
Macro: 15-MAR-2006

ARI ID: JJ90MBS1
Client ID:
Injection: 25-MAY-2006 16:35
Dilution Factor: 1

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	22230	1
C8	----				DIESEL (C12-C24)	39299	3 LDL
C10	2.571	-0.001	74	39	M.OIL (C24-C38)	42032	5 LDL
C12	3.099	0.000	264	232	AK-102 (C10-C25)	45669	3
C14	3.424	-0.002	189	69	AK-103 (C25-C36)	27384	4
C16	3.682	-0.001	479	513			
C18	3.912	0.002	203	146			
C20	4.130	-0.004	1609	1029			
C22	4.337	-0.013	281	189			
C24	4.556	-0.003	104	11			
C25	4.669	0.002	72	13			
C26	4.778	0.002	46	13			
C28	5.000	0.000	437	303			
C32	5.435	-0.013	588	406			
C34	5.651	-0.006	582	365	CREOSOT (C12-C22)	37821	10
Filter Peak	6.203	0.008	1066	715			
C36	5.862	0.000	1012.0	362	o-Terph Surrogate Rec = 79.1%	(603850)	
C38	6.072	-0.003	1234.0	739	Triacon Surrogate Rec = 91.0%	(580201)	
C40	6.339	0.002	1075	278			
o-terph	3.985	-0.001	748791	603850	JET-A (C10-C18)	14293	1
Triacon Surr	5.233	-0.002	419613	580201			

Range Times: NW Diesel(3.098 - 4.559) AK102(2.57 - 4.67) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.07) AK103(4.67 - 5.86) OR Diesel(2.57 - 5.00)

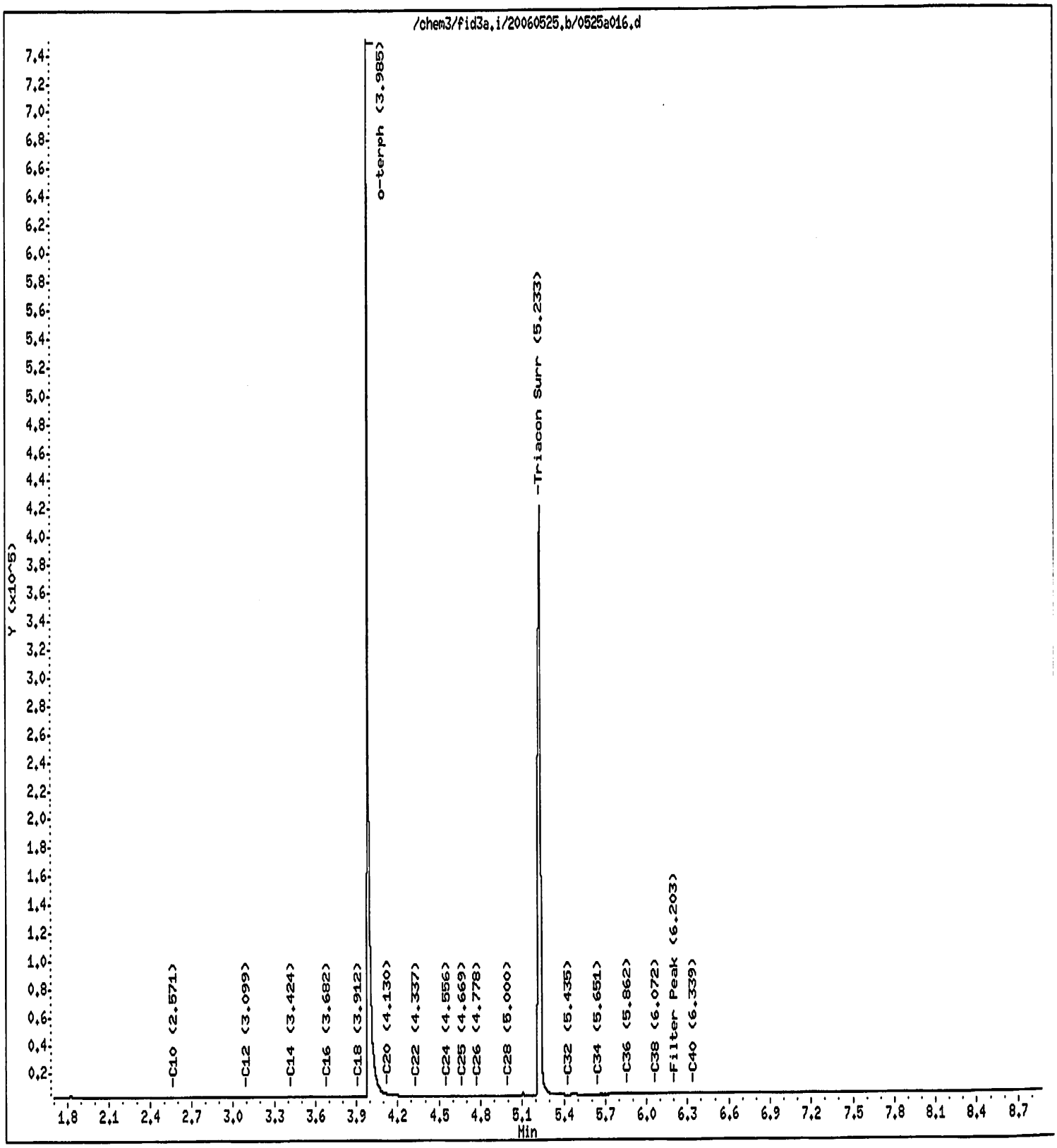
Data File: /chem3/fid3a.i/20060525.b/0525a016.d
Date : 25-MAY-2006 16:35
Client ID:
Sample Info: JJ90MBS1

Instrument: fid3a.i

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



Analytical Resources, Incorporated
Analytical Chemists and Consultants

1 June 2006

GEOMATRIX
Received
JUN - 2 2006
SEATTLE

Larry McGaughey
Geomatrix
600 University, Suite 1020
Seattle, WA 98101

RE: Project No: Former Rhone Poulenc/8769
ARI Job No: JJ90

Dear Larry:

Please find enclosed the original chain of custody documentation (COC) and the final results for the samples from the project referenced above. Analytical Resources Inc. (ARI) accepted one water sample and two soil samples on May 19, 2006. ARI received the samples intact and there were no discrepancies in the paperwork. The samples were analyzed for SVOAs, PCBs, NWTPH-HCID, NWTPH-Dx and total metals as requested.

The percent recoveries for the surrogates were low following the initial PCB analysis of sample RP051906-1. This sample was re-extracted and re-analyzed. The percent recoveries for the surrogates were low for the re-extraction. It was concluded that the sample matrix was the cause of the low surrogate recoveries. No further corrective actions were taken. The results for both analyses have been submitted.

Contamination was detected in the method blank associated with the HCID analysis of sample RP051906-1. This sample was re-extracted and re-analyzed. The re-analysis proceeded without incident. The results for the re-analysis only have been submitted.

No further analytical complications were noted.

A copy of these reports and all raw data will remain on file with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Mark D. Harris

Mark D. Harris
Project Manager
206/695-6210
mark@arilabs.com

Enclosures

cc: file JJ90

MDH/mdh

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: ASAP	Page: 1 of	
ARI Client Company: Geomatrix	Phone: 206-347-1760	Date: 5/19/06	Ice Present? N
Client Contact: Larry McGaughey		No. of Coolers: 1	Cooler Temps: AMB
Client Project Name: FRP 8769			
Client Project #: 8769	Samplers: P. Hsieh		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	8270 SVOA	NWTPH HCID	8082 PCB	6010 metals					Notes/Comments
RP051906-1	5/19/06	1222	W	5									
RP051906-2	↓	1230	S	2									
RP051906-3	↓	1235	S	2									

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
	(Signature) Pat Hsieh	(Signature) B. Kegel	(Signature)	(Signature)
	Printed Name: Pat Hsieh	Printed Name: Brian Kegel	Printed Name:	Printed Name:
	Company: Geomatrix	Company: ARI	Company:	Company:
	Date & Time: 5/19/06 1314	Date & Time: 5/19/06 1314	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Data Reporting Qualifiers

Effective 12/28/04

Inorganic Data

U Indicates that the target analyte was not detected at the reported concentration

* Duplicate RPD is not within established control limits

B Reported value is less than the CRDL but ≥ the Reporting Limit

N Matrix Spike recovery not within established control limits

NA Not Applicable, analyte not spiked

H The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U Indicates that the target analyte was not detected at the reported concentration

* Flagged value is not within established control limits

B Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J Estimated concentration when the value is less than ARI's established reporting limits

D The spiked compound was not detected due to sample extract dilution

NR Spiked compound recovery is not reported due to chromatographic interference

E Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte

NA The flagged analyte was not analyzed for

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by EPA 625M

Sample ID: MB-052206
METHOD BLANK

Lab Sample ID: MB-052206
LIMS ID: 06-8678
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 09:55
Instrument/Analyst: NT4/LJR

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	5.0	< 5.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by EPA 625M

Sample ID: MB-052206
METHOD BLANK

Lab Sample ID: MB-052206
LIMS ID: 06-8678
Matrix: Water
Date Analyzed: 05/23/06 09:55

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
205-99-2	Benzo(b)fluoranthene	1.0	< 1.0 U
207-08-9	Benzo(k)fluoranthene	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.8%	2-Fluorobiphenyl	69.2%
d14-p-Terphenyl	77.2%	d4-1,2-Dichlorobenzene	57.2%
d5-Phenol	45.9%	2-Fluorophenol	58.4%
2,4,6-Tribromophenol	54.4%	d4-2-Chlorophenol	71.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by EPA 625M

Sample ID: RP051906-1
SAMPLE

Lab Sample ID: JJ90A
LIMS ID: 06-8678
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 13:21
Instrument/Analyst: NT4/LJR

Sample Amount: 500 mL
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**6.0**	**59**
111-44-4	Bis-(2-Chloroethyl) Ether	6.0	< 6.0 U
95-57-8	2-Chlorophenol	6.0	< 6.0 U
541-73-1	1,3-Dichlorobenzene	6.0	< 6.0 U
106-46-7	1,4-Dichlorobenzene	6.0	< 6.0 U
100-51-6	Benzyl Alcohol	30	< 30 U
95-50-1	1,2-Dichlorobenzene	6.0	< 6.0 U
95-48-7	**2-Methylphenol**	**6.0**	**5.9 J**
108-60-1	2,2'-Oxybis(1-Chloropropane)	6.0	< 6.0 U
106-44-5	**4-Methylphenol**	**6.0**	**840 E**
621-64-7	N-Nitroso-Di-N-Propylamine	30	< 30 U
67-72-1	Hexachloroethane	6.0	< 6.0 U
98-95-3	Nitrobenzene	6.0	< 6.0 U
78-59-1	Isophorone	6.0	< 6.0 U
88-75-5	2-Nitrophenol	30	< 30 U
105-67-9	**2,4-Dimethylphenol**	**6.0**	**3.6 J**
65-85-0	**Benzoic Acid**	**60**	**120**
111-91-1	bis(2-Chloroethoxy) Methane	6.0	< 6.0 U
120-83-2	2,4-Dichlorophenol	30	< 30 U
120-82-1	1,2,4-Trichlorobenzene	6.0	< 6.0 U
91-20-3	**Naphthalene**	**6.0**	**3.0 J**
106-47-8	4-Chloroaniline	30	< 30 U
87-68-3	Hexachlorobutadiene	6.0	< 6.0 U
59-50-7	4-Chloro-3-methylphenol	30	< 30 U
91-57-6	**2-Methylnaphthalene**	**6.0**	**10**
77-47-4	Hexachlorocyclopentadiene	30	< 30 U
88-06-2	2,4,6-Trichlorophenol	30	< 30 U
95-95-4	2,4,5-Trichlorophenol	30	< 30 U
91-58-7	2-Chloronaphthalene	6.0	< 6.0 U
88-74-4	2-Nitroaniline	30	< 30 U
131-11-3	Dimethylphthalate	6.0	< 6.0 U
208-96-8	Acenaphthylene	6.0	< 6.0 U
99-09-2	3-Nitroaniline	30	< 30 U
83-32-9	Acenaphthene	6.0	< 6.0 U
51-28-5	2,4-Dinitrophenol	60	< 60 U
100-02-7	4-Nitrophenol	30	< 30 U
132-64-9	Dibenzofuran	6.0	< 6.0 U
606-20-2	2,6-Dinitrotoluene	30	< 30 U
121-14-2	2,4-Dinitrotoluene	30	< 30 U
84-66-2	Diethylphthalate	6.0	< 6.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by EPA 625M

Sample ID: RP051906-1
SAMPLE

Lab Sample ID: JJ90A
LIMS ID: 06-8678
Matrix: Water
Date Analyzed: 05/23/06 13:21

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	6.0	< 6.0 U
86-73-7	Fluorene	6.0	< 6.0 U
100-01-6	4-Nitroaniline	30	< 30 U
534-52-1	4,6-Dinitro-2-Methylphenol	60	< 60 U
86-30-6	N-Nitrosodiphenylamine	6.0	< 6.0 U
101-55-3	4-Bromophenyl-phenylether	6.0	< 6.0 U
118-74-1	Hexachlorobenzene	6.0	< 6.0 U
87-86-5	Pentachlorophenol	30	< 30 U
85-01-8	Phenanthrene	6.0	< 6.0 U
86-74-8	Carbazole	6.0	< 6.0 U
120-12-7	Anthracene	6.0	< 6.0 U
84-74-2	Di-n-Butylphthalate	6.0	< 6.0 U
206-44-0	**Fluoranthene**	**6.0**	**5.3 J**
129-00-0	**Pyrene**	**6.0**	**5.5 J**
85-68-7	Butylbenzylphthalate	6.0	< 6.0 U
91-94-1	3,3'-Dichlorobenzidine	30	< 30 U
56-55-3	**Benzo(a)anthracene**	**6.0**	**3.8 J**
117-81-7	bis(2-Ethylhexyl)phthalate	13	< 13 Y
218-01-9	**Chrysene**	**6.0**	**4.1 J**
117-84-0	Di-n-Octyl phthalate	10	< 10 Y
205-99-2	**Benzo(b)fluoranthene**	**6.0**	**3.8 J**
207-08-9	Benzo(k)fluoranthene	6.0	< 6.0 U
50-32-8	Benzo(a)pyrene	6.0	< 6.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	6.0	< 6.0 U
53-70-3	Dibenz(a,h)anthracene	6.0	< 6.0 U
191-24-2	Benzo(g,h,i)perylene	6.0	< 6.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	84.0%	2-Fluorobiphenyl	64.1%
d14-p-Terphenyl	72.5%	d4-1,2-Dichlorobenzene	68.4%
d5-Phenol	42.2%	2-Fluorophenol	50.6%
2,4,6-Tribromophenol	83.4%	d4-2-Chlorophenol	66.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by EPA 625M

Sample ID: RP051906-1
DILUTION

Lab Sample ID: JJ90A
LIMS ID: 06-8678
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 14:30
Instrument/Analyst: NT4/LJR

Sample Amount: 500 mL
Final Extract Volume: 1.0 mL
Dilution Factor: 10.0

CAS Number	Analyte	RL	Result
108-95-2	**Phenol**	**20**	**63**
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	100	< 100 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	**4-Methylphenol**	**20**	**810**
621-64-7	N-Nitroso-Di-N-Propylamine	100	< 100 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	**Benzoic Acid**	**200**	**120 J**
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by EPA 625M

Sample ID: RP051906-1
DILUTION

Lab Sample ID: JJ90A
LIMS ID: 06-8678
Matrix: Water
Date Analyzed: 05/23/06 14:30

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	Phenanthrene	20	< 20 U
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	85.6%	2-Fluorobiphenyl	73.6%
d14-p-Terphenyl	68.0%	d4-1,2-Dichlorobenzene	79.2%
d5-Phenol	43.2%	2-Fluorophenol	49.6%
2,4,6-Tribromophenol	86.9%	d4-2-Chlorophenol	70.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by EPA 625M

Sample ID: LCS-052206
LAB CONTROL

Lab Sample ID: LCS-052206
LIMS ID: 06-8678
Matrix: Water
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 10:29
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

Analyte	Lab Control	Spike Added	Recovery
Phenol	12.7	25.0	50.8%
Bis-(2-Chloroethyl) Ether	21.8	25.0	87.2%
2-Chlorophenol	21.2	25.0	84.8%
1,3-Dichlorobenzene	15.0	25.0	60.0%
1,4-Dichlorobenzene	15.3	25.0	61.2%
Benzyl Alcohol	21.4	25.0	85.6%
1,2-Dichlorobenzene	16.0	25.0	64.0%
2-Methylphenol	22.8	25.0	91.2%
2,2'-Oxybis(1-Chloropropane)	21.3	25.0	85.2%
4-Methylphenol	44.9	50.0	89.8%
N-Nitroso-Di-N-Propylamine	21.6	25.0	86.4%
Hexachloroethane	15.0	25.0	60.0%
Nitrobenzene	20.8	25.0	83.2%
Isophorone	21.7	25.0	86.8%
2-Nitrophenol	21.6	25.0	86.4%
2,4-Dimethylphenol	19.2	25.0	76.8%
Benzoic Acid	1.2 J	25.0	4.8%
bis(2-Chloroethoxy) Methane	21.2	25.0	84.8%
2,4-Dichlorophenol	21.4	25.0	85.6%
1,2,4-Trichlorobenzene	15.0	25.0	60.0%
Naphthalene	17.7	25.0	70.8%
4-Chloroaniline	5.8	60.0	9.7%
Hexachlorobutadiene	13.8	25.0	55.2%
4-Chloro-3-methylphenol	21.9	25.0	87.6%
2-Methylnaphthalene	17.8	25.0	71.2%
Hexachlorocyclopentadiene	10.4	25.0	41.6%
2,4,6-Trichlorophenol	19.9	25.0	79.6%
2,4,5-Trichlorophenol	19.4	25.0	77.6%
2-Chloronaphthalene	17.1	25.0	68.4%
2-Nitroaniline	20.8	25.0	83.2%
Dimethylphthalate	20.3	25.0	81.2%
Acenaphthylene	20.4	25.0	81.6%
3-Nitroaniline	47.1	64.0	73.6%
Acenaphthene	19.2	25.0	76.8%
2,4-Dinitrophenol	4.7 J	25.0	18.8%
4-Nitrophenol	15.7	25.0	62.8%
Dibenzofuran	19.1	25.0	76.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by EPA 625M

Sample ID: LCS-052206
LAB CONTROL

Lab Sample ID: LCS-052206
LIMS ID: 06-8678
Matrix: Water
Date Analyzed: 05/23/06 10:29

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769

Analyte	Lab Control	Spike Added	Recovery
2,6-Dinitrotoluene	19.6	25.0	78.4%
2,4-Dinitrotoluene	19.6	25.0	78.4%
Diethylphthalate	20.8	25.0	83.2%
4-Chlorophenyl-phenylether	17.8	25.0	71.2%
Fluorene	19.2	25.0	76.8%
4-Nitroaniline	20.7	25.0	82.8%
4,6-Dinitro-2-Methylphenol	15.3	25.0	61.2%
N-Nitrosodiphenylamine	21.2	25.0	84.8%
4-Bromophenyl-phenylether	20.4	25.0	81.6%
Hexachlorobenzene	20.3	25.0	81.2%
Pentachlorophenol	16.3	25.0	65.2%
Carbazole	22.0	25.0	88.0%
Anthracene	20.3	25.0	81.2%
Di-n-Butylphthalate	22.7	25.0	90.8%
Fluoranthene	22.1	25.0	88.4%
Pyrene	20.6	25.0	82.4%
Butylbenzylphthalate	21.9	25.0	87.6%
3,3'-Dichlorobenzidine	73.9	64.0	115%
Benzo(a)anthracene	20.6	25.0	82.4%
bis(2-Ethylhexyl)phthalate	22.0	25.0	88.0%
Di-n-Octyl phthalate	20.2	25.0	80.8%
Benzo(b)fluoranthene	23.8	25.0	95.2%
Benzo(a)pyrene	21.8	25.0	87.2%
Indeno(1,2,3-cd)pyrene	20.4	25.0	81.6%
Dibenz(a,h)anthracene	20.1	25.0	80.4%
Benzo(g,h,i)perylene	23.4	25.0	93.6%

Semivolatile Surrogate Recovery	
d5-Nitrobenzene	85.6%
2-Fluorobiphenyl	76.4%
d14-p-Terphenyl	81.6%
d4-1,2-Dichlorobenzene	72.0%
d5-Phenol	54.1%
2-Fluorophenol	71.7%
2,4,6-Tribromophenol	79.2%
d4-2-Chlorophenol	86.7%

Results reported in µg/L

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-052206
METHOD BLANK

Lab Sample ID: MB-052206
LIMS ID: 06-8679
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 08:46
Instrument/Analyst: NT4/LJR
GPC Cleanup: No

Sample Amount: 7.50 g
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
108-95-2	Phenol	67	< 67 U
111-44-4	Bis-(2-Chloroethyl) Ether	67	< 67 U
95-57-8	2-Chlorophenol	67	< 67 U
541-73-1	1,3-Dichlorobenzene	67	< 67 U
106-46-7	1,4-Dichlorobenzene	67	< 67 U
100-51-6	Benzyl Alcohol	330	< 330 U
95-50-1	1,2-Dichlorobenzene	67	< 67 U
95-48-7	2-Methylphenol	67	< 67 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	67	< 67 U
106-44-5	4-Methylphenol	67	< 67 U
621-64-7	N-Nitroso-Di-N-Propylamine	330	< 330 U
67-72-1	Hexachloroethane	67	< 67 U
98-95-3	Nitrobenzene	67	< 67 U
78-59-1	Isophorone	67	< 67 U
88-75-5	2-Nitrophenol	330	< 330 U
105-67-9	2,4-Dimethylphenol	67	< 67 U
65-85-0	Benzoic Acid	670	< 670 U
111-91-1	bis(2-Chloroethoxy) Methane	67	< 67 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
120-82-1	1,2,4-Trichlorobenzene	67	< 67 U
91-20-3	Naphthalene	67	< 67 U
106-47-8	4-Chloroaniline	330	< 330 U
87-68-3	Hexachlorobutadiene	67	< 67 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	67	< 67 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	67	< 67 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	67	< 67 U
208-96-8	Acenaphthylene	67	< 67 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	67	< 67 U
51-28-5	2,4-Dinitrophenol	670	< 670 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	67	< 67 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-052206
METHOD BLANK

Lab Sample ID: MB-052206
LIMS ID: 06-8679
Matrix: Soil
Date Analyzed: 05/23/06 08:46

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	67	< 67 U
7005-72-3	4-Chlorophenyl-phenylether	67	< 67 U
86-73-7	Fluorene	67	< 67 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	670	< 670 U
86-30-6	N-Nitrosodiphenylamine	67	< 67 U
101-55-3	4-Bromophenyl-phenylether	67	< 67 U
118-74-1	Hexachlorobenzene	67	< 67 U
87-86-5	Pentachlorophenol	330	< 330 U
85-01-8	Phenanthrene	67	< 67 U
86-74-8	Carbazole	67	< 67 U
120-12-7	Anthracene	67	< 67 U
84-74-2	Di-n-Butylphthalate	67	< 67 U
206-44-0	Fluoranthene	67	< 67 U
129-00-0	Pyrene	67	< 67 U
85-68-7	Butylbenzylphthalate	67	< 67 U
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo(a)anthracene	67	< 67 U
117-81-7	bis(2-Ethylhexyl)phthalate	67	< 67 U
218-01-9	Chrysene	67	< 67 U
117-84-0	Di-n-Octyl phthalate	67	< 67 U
205-99-2	Benzo(b)fluoranthene	67	< 67 U
207-08-9	Benzo(k)fluoranthene	67	< 67 U
50-32-8	Benzo(a)pyrene	67	< 67 U
193-39-5	Indeno(1,2,3-cd)pyrene	67	< 67 U
53-70-3	Dibenz(a,h)anthracene	67	< 67 U
191-24-2	Benzo(g,h,i)perylene	67	< 67 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	70.4%	2-Fluorobiphenyl	69.2%
d14-p-Terphenyl	84.4%	d4-1,2-Dichlorobenzene	65.6%
d5-Phenol	70.1%	2-Fluorophenol	85.3%
2,4,6-Tribromophenol	69.9%	d4-2-Chlorophenol	68.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: RP051906-2
SAMPLE

Lab Sample ID: JJ90B
LIMS ID: 06-8679
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 12:12
Instrument/Analyst: NT4/LJR
GPC Cleanup: No

Sample Amount: 1.91 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 24.7%
pH: 7.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	260	< 260 U
111-44-4	Bis-(2-Chloroethyl) Ether	260	< 260 U
95-57-8	2-Chlorophenol	260	< 260 U
541-73-1	1,3-Dichlorobenzene	260	< 260 U
106-46-7	1,4-Dichlorobenzene	260	< 260 U
100-51-6	Benzyl Alcohol	1,300	< 1,300 U
95-50-1	1,2-Dichlorobenzene	260	< 260 U
95-48-7	2-Methylphenol	260	< 260 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	260	< 260 U
106-44-5	**4-Methylphenol**	**260**	**240 J**
621-64-7	N-Nitroso-Di-N-Propylamine	1,300	< 1,300 U
67-72-1	Hexachloroethane	260	< 260 U
98-95-3	Nitrobenzene	260	< 260 U
78-59-1	Isophorone	260	< 260 U
88-75-5	2-Nitrophenol	1,300	< 1,300 U
105-67-9	2,4-Dimethylphenol	260	< 260 U
65-85-0	Benzoic Acid	2,600	< 2,600 U
111-91-1	bis(2-Chloroethoxy) Methane	260	< 260 U
120-83-2	2,4-Dichlorophenol	1,300	< 1,300 U
120-82-1	1,2,4-Trichlorobenzene	260	< 260 U
91-20-3	Naphthalene	260	< 260 U
106-47-8	4-Chloroaniline	1,300	< 1,300 U
87-68-3	Hexachlorobutadiene	260	< 260 U
59-50-7	4-Chloro-3-methylphenol	1,300	< 1,300 U
91-57-6	2-Methylnaphthalene	260	< 260 U
77-47-4	Hexachlorocyclopentadiene	1,300	< 1,300 U
88-06-2	2,4,6-Trichlorophenol	1,300	< 1,300 U
95-95-4	2,4,5-Trichlorophenol	1,300	< 1,300 U
91-58-7	2-Chloronaphthalene	260	< 260 U
88-74-4	2-Nitroaniline	1,300	< 1,300 U
131-11-3	Dimethylphthalate	260	< 260 U
208-96-8	Acenaphthylene	260	< 260 U
99-09-2	3-Nitroaniline	1,300	< 1,300 U
83-32-9	Acenaphthene	260	< 260 U
51-28-5	2,4-Dinitrophenol	2,600	< 2,600 U
100-02-7	4-Nitrophenol	1,300	< 1,300 U
132-64-9	Dibenzofuran	260	< 260 U
606-20-2	2,6-Dinitrotoluene	1,300	< 1,300 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: RP051906-2
SAMPLE

Lab Sample ID: JJ90B
LIMS ID: 06-8679
Matrix: Soil
Date Analyzed: 05/23/06 12:12

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	1,300	< 1,300 U
84-66-2	Diethylphthalate	260	< 260 U
7005-72-3	4-Chlorophenyl-phenylether	260	< 260 U
86-73-7	Fluorene	260	< 260 U
100-01-6	4-Nitroaniline	1,300	< 1,300 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,600	< 2,600 U
86-30-6	N-Nitrosodiphenylamine	260	< 260 U
101-55-3	4-Bromophenyl-phenylether	260	< 260 U
118-74-1	Hexachlorobenzene	260	< 260 U
87-86-5	Pentachlorophenol	1,300	< 1,300 U
85-01-8	**Phenanthrene**	**260**	**220 J**
86-74-8	Carbazole	260	< 260 U
120-12-7	Anthracene	260	< 260 U
84-74-2	Di-n-Butylphthalate	260	< 260 U
206-44-0	**Fluoranthene**	**260**	**350**
129-00-0	**Pyrene**	**260**	**320**
85-68-7	Butylbenzylphthalate	260	< 260 U
91-94-1	3,3'-Dichlorobenzidine	1,300	< 1,300 U
56-55-3	Benzo(a)anthracene	260	< 260 U
117-81-7	bis(2-Ethylhexyl)phthalate	260	< 260 U
218-01-9	**Chrysene**	**260**	**190 J**
117-84-0	Di-n-Octyl phthalate	260	< 260 U
205-99-2	Benzo(b)fluoranthene	260	< 260 U
207-08-9	**Benzo(k)fluoranthene**	**260**	**160 J**
50-32-8	Benzo(a)pyrene	260	< 260 U
193-39-5	Indeno(1,2,3-cd)pyrene	260	< 260 U
53-70-3	Dibenz(a,h)anthracene	260	< 260 U
191-24-2	Benzo(g,h,i)perylene	260	< 260 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.0%	2-Fluorobiphenyl	58.4%
d14-p-Terphenyl	56.8%	d4-1,2-Dichlorobenzene	47.6%
d5-Phenol	56.5%	2-Fluorophenol	67.7%
2,4,6-Tribromophenol	91.7%	d4-2-Chlorophenol	53.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: RP051906-3
SAMPLE

Lab Sample ID: JJ90C
LIMS ID: 06-8680
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 12:46
Instrument/Analyst: NT4/LJR
GPC Cleanup: No

Sample Amount: 2.07 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 18.9%
pH: 7.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	240	< 240 U
111-44-4	Bis-(2-Chloroethyl) Ether	240	< 240 U
95-57-8	2-Chlorophenol	240	< 240 U
541-73-1	1,3-Dichlorobenzene	240	< 240 U
106-46-7	1,4-Dichlorobenzene	240	< 240 U
100-51-6	Benzyl Alcohol	1,200	< 1,200 U
95-50-1	1,2-Dichlorobenzene	240	< 240 U
95-48-7	2-Methylphenol	240	< 240 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	240	< 240 U
106-44-5	4-Methylphenol	240	< 240 U
621-64-7	N-Nitroso-Di-N-Propylamine	1,200	< 1,200 U
67-72-1	Hexachloroethane	240	< 240 U
98-95-3	Nitrobenzene	240	< 240 U
78-59-1	Isophorone	240	< 240 U
88-75-5	2-Nitrophenol	1,200	< 1,200 U
105-67-9	2,4-Dimethylphenol	240	< 240 U
65-85-0	Benzoic Acid	2,400	< 2,400 U
111-91-1	bis(2-Chloroethoxy) Methane	240	< 240 U
120-83-2	2,4-Dichlorophenol	1,200	< 1,200 U
120-82-1	1,2,4-Trichlorobenzene	240	< 240 U
91-20-3	Naphthalene	240	< 240 U
106-47-8	4-Chloroaniline	1,200	< 1,200 U
87-68-3	Hexachlorobutadiene	240	< 240 U
59-50-7	4-Chloro-3-methylphenol	1,200	< 1,200 U
91-57-6	2-Methylnaphthalene	240	< 240 U
77-47-4	Hexachlorocyclopentadiene	1,200	< 1,200 U
88-06-2	2,4,6-Trichlorophenol	1,200	< 1,200 U
95-95-4	2,4,5-Trichlorophenol	1,200	< 1,200 U
91-58-7	2-Chloronaphthalene	240	< 240 U
88-74-4	2-Nitroaniline	1,200	< 1,200 U
131-11-3	Dimethylphthalate	240	< 240 U
208-96-8	Acenaphthylene	240	< 240 U
99-09-2	3-Nitroaniline	1,200	< 1,200 U
83-32-9	Acenaphthene	240	< 240 U
51-28-5	2,4-Dinitrophenol	2,400	< 2,400 U
100-02-7	4-Nitrophenol	1,200	< 1,200 U
132-64-9	Dibenzofuran	240	< 240 U
606-20-2	2,6-Dinitrotoluene	1,200	< 1,200 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: RP051906-3
SAMPLE

Lab Sample ID: JJ90C
LIMS ID: 06-8680
Matrix: Soil
Date Analyzed: 05/23/06 12:46

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	1,200	< 1,200 U
84-66-2	Diethylphthalate	240	< 240 U
7005-72-3	4-Chlorophenyl-phenylether	240	< 240 U
86-73-7	Fluorene	240	< 240 U
100-01-6	4-Nitroaniline	1,200	< 1,200 U
534-52-1	4,6-Dinitro-2-Methylphenol	2,400	< 2,400 U
86-30-6	N-Nitrosodiphenylamine	240	< 240 U
101-55-3	4-Bromophenyl-phenylether	240	< 240 U
118-74-1	Hexachlorobenzene	240	< 240 U
87-86-5	Pentachlorophenol	1,200	< 1,200 U
85-01-8	**Phenanthrene**	**240**	**290**
86-74-8	Carbazole	240	< 240 U
120-12-7	Anthracene	240	< 240 U
84-74-2	Di-n-Butylphthalate	240	< 240 U
206-44-0	**Fluoranthene**	**240**	**610**
129-00-0	**Pyrene**	**240**	**570**
85-68-7	Butylbenzylphthalate	240	< 240 U
91-94-1	3,3'-Dichlorobenzidine	1,200	< 1,200 U
56-55-3	**Benzo(a)anthracene**	**240**	**160 J**
117-81-7	bis(2-Ethylhexyl)phthalate	240	< 240 U
218-01-9	**Chrysene**	**240**	**310**
117-84-0	Di-n-Octyl phthalate	240	< 240 U
205-99-2	**Benzo(b)fluoranthene**	**240**	**260**
207-08-9	**Benzo(k)fluoranthene**	**240**	**240 J**
50-32-8	**Benzo(a)pyrene**	**240**	**190 J**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**240**	**160 J**
53-70-3	Dibenz(a,h)anthracene	240	< 240 U
191-24-2	**Benzo(g,h,i)perylene**	**240**	**160 J**

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.8%	2-Fluorobiphenyl	71.2%
d14-p-Terphenyl	67.6%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	69.9%	2-Fluorophenol	83.2%
2,4,6-Tribromophenol	108%	d4-2-Chlorophenol	68.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCS-052206
LAB CONTROL

Lab Sample ID: LCS-052206
LIMS ID: 06-8679
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 09:21
Instrument/Analyst: NT4/LJR
GPC Cleanup: NO

Sample Amount: 7.50 g
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

Analyte	Lab Control	Spike Added	Recovery
Phenol	1030	1670	61.7%
Bis-(2-Chloroethyl) Ether	1050	1670	62.9%
2-Chlorophenol	1070	1670	64.1%
1,3-Dichlorobenzene	946	1670	56.6%
1,4-Dichlorobenzene	957	1670	57.3%
Benzyl Alcohol	1050	1670	62.9%
1,2-Dichlorobenzene	1000	1670	59.9%
2-Methylphenol	1190	1670	71.3%
2,2'-Oxybis(1-Chloropropane)	1040	1670	62.3%
4-Methylphenol	2480	3330	74.5%
N-Nitroso-Di-N-Propylamine	1100	1670	65.9%
Hexachloroethane	1020	1670	61.1%
Nitrobenzene	1040	1670	62.3%
Isophorone	1100	1670	65.9%
2-Nitrophenol	1100	1670	65.9%
2,4-Dimethylphenol	1130	1670	67.7%
Benzoic Acid	1460	1670	87.4%
bis(2-Chloroethoxy) Methane	1050	1670	62.9%
2,4-Dichlorophenol	1120	1670	67.1%
1,2,4-Trichlorobenzene	967	1670	57.9%
Naphthalene	1030	1670	61.7%
4-Chloroaniline	2640	4000	66.0%
Hexachlorobutadiene	1010	1670	60.5%
4-Chloro-3-methylphenol	1210	1670	72.5%
2-Methylnaphthalene	1060	1670	63.5%
Hexachlorocyclopentadiene	1050	1670	62.9%
2,4,6-Trichlorophenol	1180	1670	70.7%
2,4,5-Trichlorophenol	1130	1670	67.7%
2-Chloronaphthalene	1080	1670	64.7%
2-Nitroaniline	1210	1670	72.5%
Dimethylphthalate	1170	1670	70.1%
Acenaphthylene	1180	1670	70.7%
3-Nitroaniline	3290	4270	77.0%
Acenaphthene	1130	1670	67.7%
2,4-Dinitrophenol	701	1670	42.0%
4-Nitrophenol	1430	1670	85.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by EPA Method 608

Sample ID: MB-052306
METHOD BLANK

Lab Sample ID: MB-052306
LIMS ID: 06-8854
Matrix: Water
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Date Extracted: 05/23/06
Date Analyzed: 05/24/06 17:09
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 500 mL
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	1.0	< 1.0 U
53469-21-9	Aroclor 1242	1.0	< 1.0 U
12672-29-6	Aroclor 1248	1.0	< 1.0 U
11097-69-1	Aroclor 1254	1.0	< 1.0 U
11096-82-5	Aroclor 1260	1.0	< 1.0 U
11104-28-2	Aroclor 1221	1.0	< 1.0 U
11141-16-5	Aroclor 1232	1.0	< 1.0 U

Reported in μg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	69.2%
Tetrachlorometaxylene	76.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by EPA Method 608

Sample ID: RP051906-1
SAMPLE

Lab Sample ID: JJ90A
LIMS ID: 06-8678
Matrix: Water
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 11:35
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 500 mL
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	1.0	< 1.0 U
53469-21-9	Aroclor 1242	1.0	< 1.0 U
12672-29-6	Aroclor 1248	1.0	< 1.0 U
11097-69-1	Aroclor 1254	1.5	< 1.5 Y
11096-82-5	Aroclor 1260	1.0	< 1.0 U
11104-28-2	Aroclor 1221	1.0	< 1.0 U
11141-16-5	Aroclor 1232	1.0	< 1.0 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	17.4%
Tetrachlorometaxylene	39.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by EPA Method 608

Sample ID: RP051906-1
REEXTRACT

Lab Sample ID: JJ90A
LIMS ID: 06-8854
Matrix: Water
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/23/06
Date Analyzed: 05/24/06 17:45
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 100 mL
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	5.0	< 5.0 U
53469-21-9	Aroclor 1242	5.0	< 5.0 U
12672-29-6	Aroclor 1248	5.0	< 5.0 U
11097-69-1	Aroclor 1254	5.0	< 5.0 U
11096-82-5	Aroclor 1260	5.0	< 5.0 U
11104-28-2	Aroclor 1221	5.0	< 5.0 U
11141-16-5	Aroclor 1232	5.0	< 5.0 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	10.8%
Tetrachlorometaxylene	42.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by EPA Method 608

Sample ID: LCS-052306
LAB CONTROL

Lab Sample ID: LCS-052306
LIMS ID: 06-8854
Matrix: Water
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Date Extracted: 05/23/06
Date Analyzed: 05/24/06 17:27
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 500 mL
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

Analyte	Lab Control	Spike Added	Recovery
Aroclor 1016	4.08	5.12	79.7%
Aroclor 1260	5.18	5.12	101%

PCB Surrogate Recovery

Decachlorobiphenyl	71.1%
Tetrachlorometaxylene	81.1%

Results reported in µg/L

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by EPA Method 608

Sample ID: LCS-052206
LAB CONTROL

Lab Sample ID: LCS-052206
LIMS ID: 06-8678
Matrix: Water
Data Release Authorized:
Reported: 05/25/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 11:17
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 500 mL
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: No
Acid Cleanup: Yes

Analyte	Lab Control	Spike Added	Recovery
Aroclor 1016	4.12	5.12	80.5%
Aroclor 1260	4.24	5.12	82.8%

PCB Surrogate Recovery

Decachlorobiphenyl	71.5%
Tetrachlorometaxylene	91.5%

Results reported in µg/L

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: MB-052206
METHOD BLANK

Lab Sample ID: MB-052206
LIMS ID: 06-8679
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 11:53
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.0 g
Final Extract Volume: 4.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: NA
Percent Moisture: NA

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	33	< 33 U
53469-21-9	Aroclor 1242	33	< 33 U
12672-29-6	Aroclor 1248	33	< 33 U
11097-69-1	Aroclor 1254	33	< 33 U
11096-82-5	Aroclor 1260	33	< 33 U
11104-28-2	Aroclor 1221	33	< 33 U
11141-16-5	Aroclor 1232	33	< 33 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	90.0%
Tetrachlorometaxylene	86.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: RP051906-2
SAMPLE

Lab Sample ID: JJ90B
LIMS ID: 06-8679
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 12:29
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.0 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.1
Percent Moisture: 24.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	33	< 33 U
53469-21-9	Aroclor 1242	33	< 33 U
12672-29-6	Aroclor 1248	33	< 33 U
11097-69-1	Aroclor 1254	33	< 33 U
11096-82-5	Aroclor 1260	33	< 33 U
11104-28-2	Aroclor 1221	33	< 33 U
11141-16-5	Aroclor 1232	33	< 33 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	90.0%
Tetrachlorometaxylene	81.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: RP051906-3
SAMPLE

Lab Sample ID: JJ90C
LIMS ID: 06-8680
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: 05/19/06
Date Received: 05/19/06

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 12:47
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.2 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 7.2
Percent Moisture: 18.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	33	< 33 U
53469-21-9	Aroclor 1242	33	< 33 U
12672-29-6	Aroclor 1248	33	< 33 U
11097-69-1	Aroclor 1254	33	< 33 U
11096-82-5	Aroclor 1260	33	< 33 U
11104-28-2	Aroclor 1221	33	< 33 U
11141-16-5	Aroclor 1232	33	< 33 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	87.8%
Tetrachlorometaxylene	78.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: LCS-052206
LAB CONTROL

Lab Sample ID: LCS-052206
LIMS ID: 06-8679
Matrix: Soil
Data Release Authorized:
Reported: 05/23/06

QC Report No: JJ90-Geomatrix Consultants, Inc.
Project: FRP 8769
8769
Date Sampled: NA
Date Received: NA

Date Extracted: 05/22/06
Date Analyzed: 05/23/06 12:11
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 12.0 g-dry-wt
Final Extract Volume: 4.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: NA
Percent Moisture: NA

Analyte	Lab Control	Spike Added	Recovery
Aroclor 1016	144	167	86.2%
Aroclor 1260	145	167	86.8%

PCB Surrogate Recovery

Decachlorobiphenyl	90.8%
Tetrachlorometaxylene	94.5%

Results reported in µg/kg (ppb)

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPH-HCID Method by GC/FID
Page 1 of 1
Matrix: Water

QC Report No: JJ90-Geomatrix Consultants, Inc
Project: FRP 8769
8769

Data Release Authorized:
Reported: 05/26/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
MB-052206	Method Blank	05/22/06	05/24/06	1.0	Gas	< 0.25 U
06-8678					Diesel	< 0.63 U
					Oil	< 0.63 U
					o-Terphenyl	89.4%
JJ90A	RP051906-1	05/22/06	05/24/06	250	Gas	< 50 U
06-8678	HC ID: **DRO/RRO**				**Diesel**	> 120
					Oil	< 120 U
					o-Terphenyl	D

Reported in mg/L (ppm)

Gas value based on total peaks in the range from Toluene to C12.
Diesel value based on the total peaks in the range from C12 to C24.
Oil value based on the total peaks in the range from C24 to C38.

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060524.b/0524a018.d
Method: /chem3/fid3a.i/20060524.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/25/2006
Macro: 15-MAR-2006

ARI ID: JJ90MBW1 AR 5/25/06
Client ID:
Injection: 24-MAY-2006 11:06

Dilution Factor: 1

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	79515	3
C8	1.191	-0.005	7369	15966	DIESEL (C12-C24)	259829	21 LD
C10	2.564	-0.009	613	436	M.OIL (C24-C38)	58617	7 LD
C12	3.097	-0.001	587	426	AK-102 (C10-C25)	279028	17
C14	3.405	-0.017	941	1596	AK-103 (C25-C36)	43562	7
C16	3.679	-0.003	4553	3476			
C18	3.909	-0.003	13653	10252			
C20	4.136	0.001	2571	2104			
C22	4.351	0.002	968	588			
C24	4.555	-0.005	804	804			
C25	4.660	-0.008	492	331			
C26	4.783	0.002	524	421			
C28	4.997	-0.005	900	654			
C32	5.452	0.002	1124	1766			
C34	5.667	0.006	1063	1887	CREOSOT (C12-C22)	251767	66
Filter Peak	6.196	-0.003	1095	325			
C36	5.864	0.001	905.0	198	o-Terph Surrogate Rec = 89.4%		(682254)
C38	6.077	-0.003	1029.0	244	Triacon Surrogate Rec = 101.1%		(644806)
C40	6.348	0.001	1003	495			
o-terph	3.984	-0.004	1000562	682254	JET-A (C10-C18)	192973	15
Triacon Surr	5.237	-0.003	417344	644806			

Range Times: NW Diesel(3.098 - 4.560) AK102(2.57 - 4.67) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.08) AK103(4.67 - 5.86) OR Diesel(2.57 - 5.00)

Data File: /chem3/fid3a.i/20060524.b/0524a018.d

Date : 24-MAY-2006 11:06

Client ID:

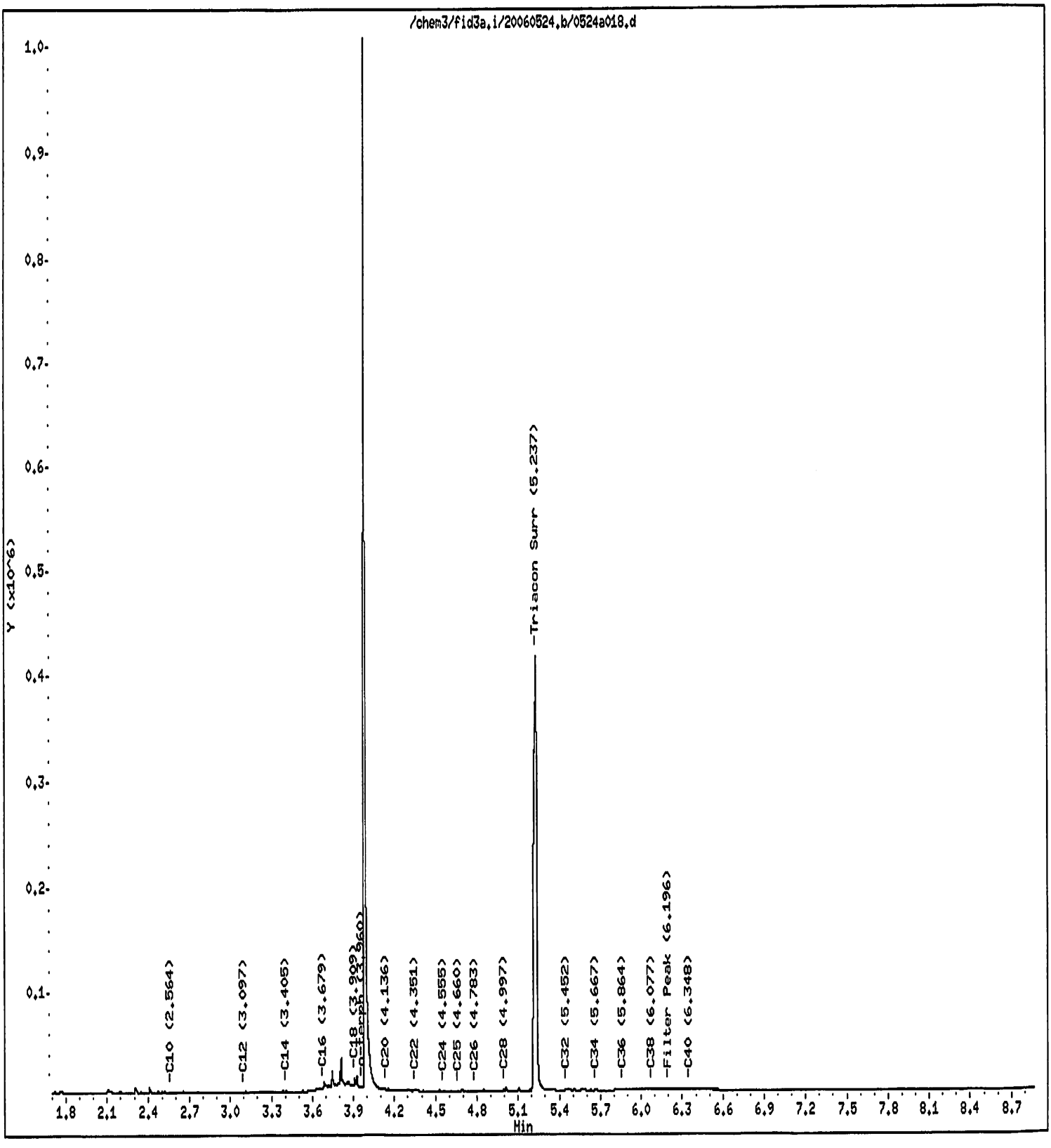
Instrument: fid3a.i

Sample Info: JJ90MBW1

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

AR 5/25/06

Data file: /chem3/fid3a.i/20060524.b/0524a019.d
Method: /chem3/fid3a.i/20060524.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/25/2006
Macro: 15-MAR-2006

ARI ID: JJ90A
Client ID:
Injection: 24-MAY-2006 11:23

Dilution Factor: 250

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	31186	1
C8	----				DIESEL (C12-C24)	16474540	1308
C10	2.568	-0.004	168	110	M.OIL (C24-C38)	1377483	157
C12	3.105	0.007	1465	1885	AK-102 (C10-C25)	16610766	1038
C14	3.425	0.003	33007	12591	AK-103 (C25-C36)	1155135	182
C16	3.685	0.004	1374420	1348378			
C18	3.903	-0.010	403340	286628			
C20	4.132	-0.003	126740	151210			
C22	4.347	-0.002	27382	16970			
C24	4.562	0.002	19067	7159			
C25	4.667	-0.002	21499	24840			
C26	4.777	-0.004	19007	9961			
C28	5.004	0.003	17274	16910			
C32	5.443	-0.007	61984	100763			
C34	5.663	0.002	13031	2322	CREOSOT (C12-C22)	16205657	4239
Filter Peak	6.205	0.006	6050	843			
C36	5.863	-0.001	9855.0	1952	o-Terph Surrogate Rec =	0.0% /	(0)
C38	6.078	-0.002	7291.0	5155	Triacon Surrogate Rec =	0.0%	(0)
C40	6.349	0.002	5214	1032			
o-terph	----				JET-A (C10-C18)	14063708	1070
Triacon Surr	----						

Range Times: NW Diesel(3.098 - 4.560) AK102(2.57 - 4.67) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.08) AK103(4.67 - 5.86) OR Diesel(2.57 - 5.00)

Data File: /chem3/fid3a.i/20060524.b/0524a019.d

Date : 24-MAY-2006 11:23

Client ID:

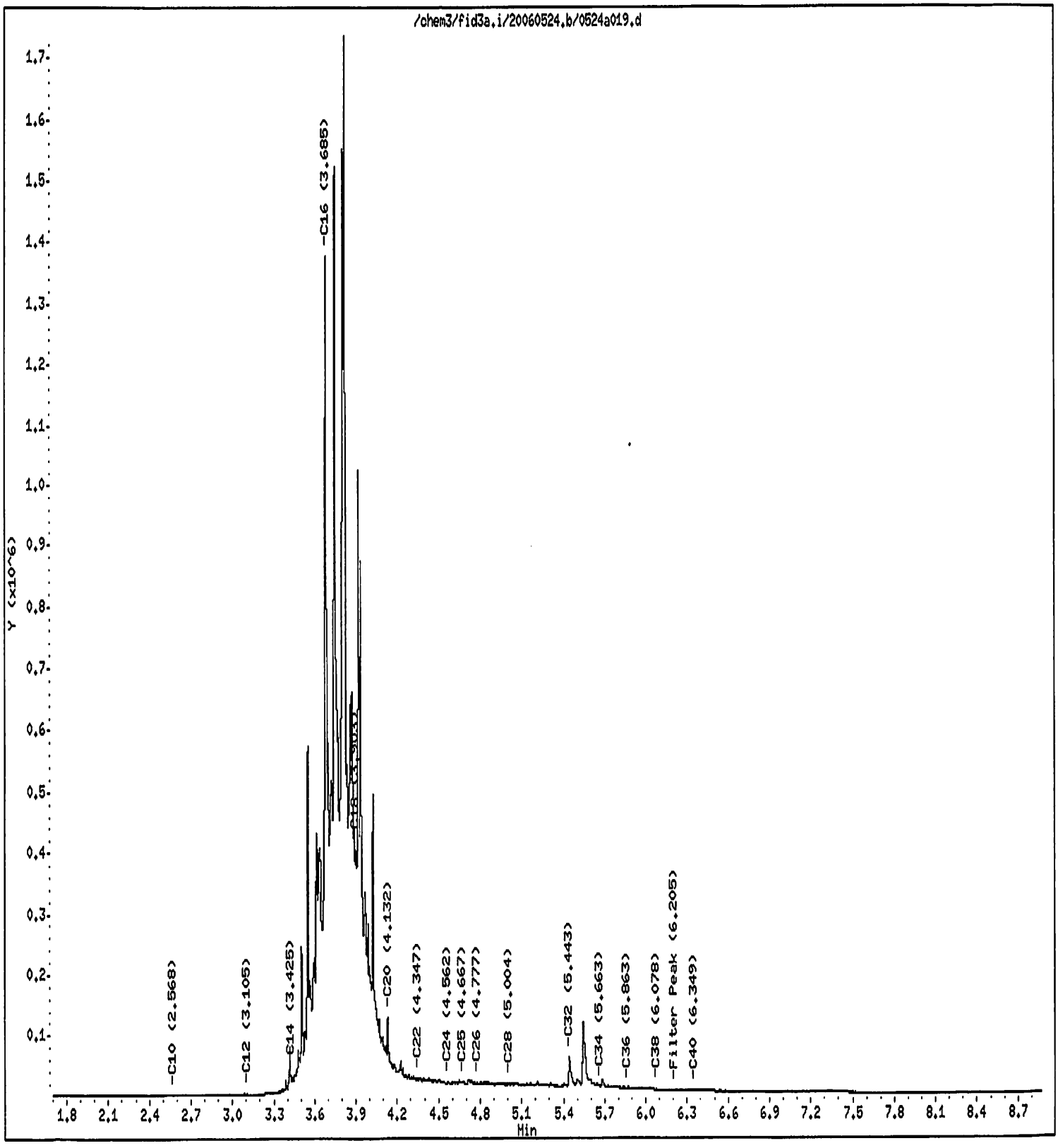
Instrument: fid3a.i

Sample Info: JJ90A,250

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPH-HCID Method by GC/FID
Page 1 of 1
Matrix: Soil

QC Report No: JJ90-Geomatrix Consultants, Inc
Project: FRP 8769
8769

Data Release Authorized:
Reported: 05/23/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
MB-052206	Method Blank	05/22/06	05/22/06	1.0	Gas	< 20 U
06-8679					Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	103%
JJ90B	RP051906-2	05/22/06	05/23/06	10	Gas	< 130 U
06-8679	HC ID: **DRO/RRO**				**Diesel**	> 330
					Oil	> 660
					o-Terphenyl	76.4%
JJ90C	RP051906-3	05/22/06	05/23/06	10	Gas	< 120 U
06-8680	HC ID: **DRO/RRO**				**Diesel**	> 310
					Oil	> 620
					o-Terphenyl	NR

Reported in mg/kg (ppm)

Gas value based on total peaks in the range from Toluene to C12.
Diesel value based on the total peaks in the range from C12 to C24.
Oil value based on the total peaks in the range from C24 to C38.

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060522.b/0522a010.d
Method: /chem3/fid3a.i/20060522.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/23/2006
Macro: 15-MAR-2006

ARI ID: JJ90MBS
Client ID:
Injection: 22-MAY-2006 17:43

Dilution Factor: 1

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	18080	1
C8	----				DIESEL (C12-C24)	12445	1
C10	2.568	-0.002	58	32	M.OIL (C24-C38)	51907	6
C12	3.096	-0.002	234	54	AK-102 (C10-C25)	18358	1
C14	3.432	0.008	150	31	AK-103 (C25-C36)	35557	6
C16	3.679	-0.002	248	159			
C18	3.906	-0.002	126	116			
C20	4.135	0.004	1261	1697			
C22	4.351	0.004	153	60			
C24	4.561	0.004	76	8			
C25	4.667	0.003	71	34			
C26	4.773	0.001	59	10			
C28	4.991	0.001	524	392			
C32	5.439	-0.002	992	760			
C34	5.651	-0.002	863	136	CREOSOT (C12-C22)	11257	3
Filter Peak	6.185	-0.006	1637	489			
C36	5.871	0.012	1519.0	4037	o-Terph Surrogate Rec = 102.9%		(785179)
C38	6.068	0.000	1468.0	755	Triacon Surrogate Rec = 112.9%		(719834)
C40	6.334	0.009	1361	943			
o-terph	3.982	-0.002	1377881	785179	JET-A (C10-C18)	10688	1
Triacon Surr	5.232	0.010	402483	719834			

JR 05/23/06

Range Times: NW Diesel(3.097 - 4.557) AK102(2.57 - 4.66) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.07) AK103(4.66 - 5.86) OR Diesel(2.57 - 4.99)

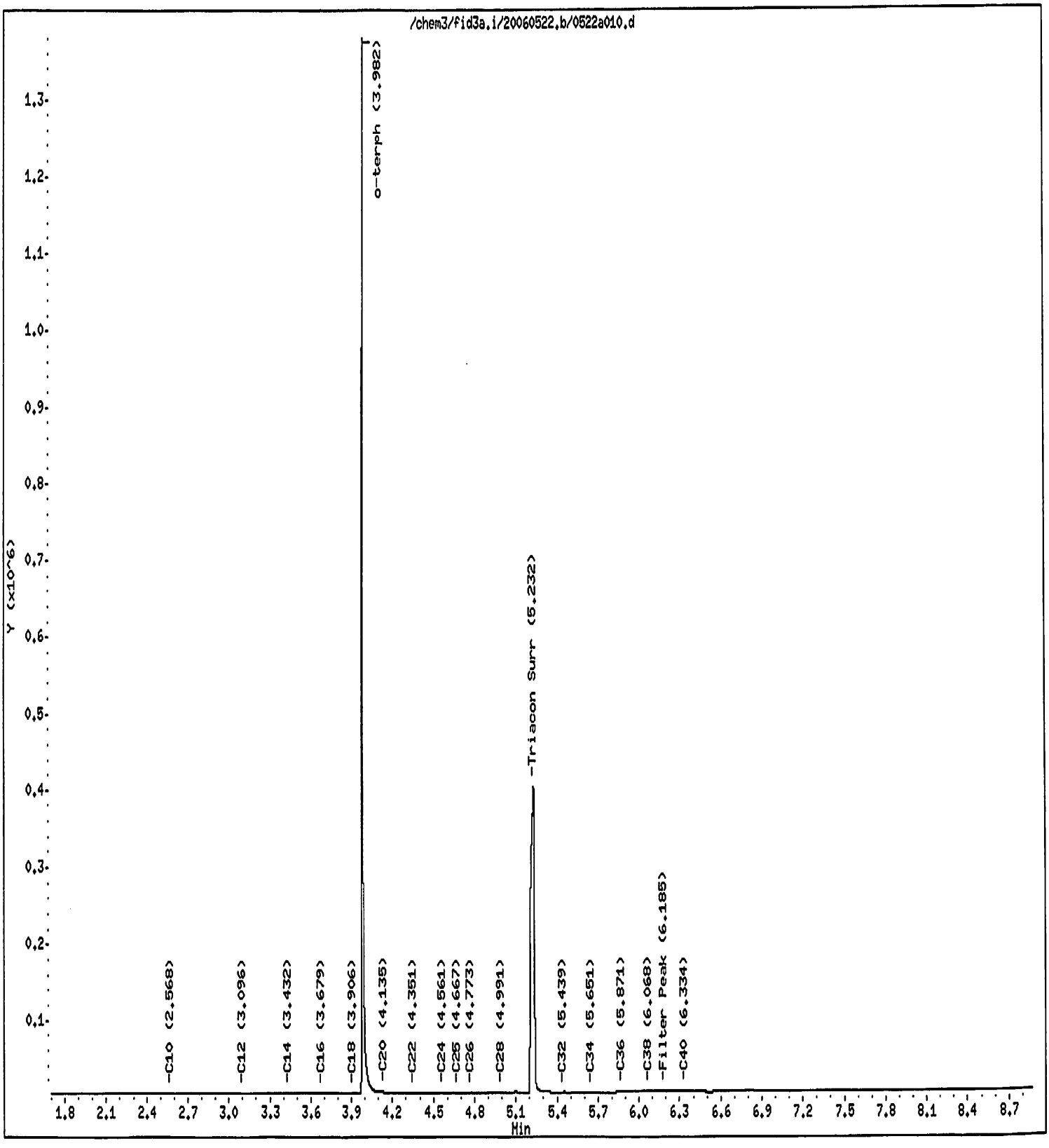
Data File: /chem3/fid3a.i/20060522.b/0522a010.d
Date : 22-MAY-2006 17:43
Client ID:
Sample Info: JJ90MBS

Instrument: fid3a.i

Operator: PC

Column phase: RTX-1

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060523.b/0523a012.d
Method: /chem3/fid3a.i/20060523.b/ftphfid3a.m
Instrument: fid3a.i
Operator: PC
Report Date: 05/23/2006
Macro: 15-MAR-2006

ARI ID: JJ90B
Client ID:
Injection: 23-MAY-2006 08:29

Dilution Factor: 10

Calibration Dates: Gas:22-MAY-2006 Diesel:14-FEB-2006 M.Oil:14-FEB-2006
AK102:14-FEB-2006 AK103:15-MAR-2006 JET-A:11-MAR-2006 CREOSOTE:24-MAR-2005

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	34880	1
C8	----				DIESEL (C12-C24)	9040164	718
C10	2.571	0.002	180	80	M.OIL (C24-C38)	1366521	156
C12	3.099	0.003	849	184	AK-102 (C10-C25)	9152461	572
C14	3.427	0.004	18766	12078	AK-103 (C25-C36)	1142400	180
C16	3.679	-0.002	322265	191016			
C18	3.913	0.005	314661	277780			
C20	4.128	-0.003	46882	24402			
C22	4.344	-0.002	13016	9269			
C24	4.552	-0.003	13533	6823			
C25	4.666	0.003	16854	20976			
C26	4.767	-0.003	16448	3901			
C28	4.989	0.001	14907	2072			
C32	5.439	-0.007	52971	94676			
C34	5.651	-0.001	13902	8619	CREOSOT (C12-C22)	8873602	2321
Filter Peak	6.175	-0.014	11486	18874			
C36	5.863	0.007	12677.0	11699	o-Terph Surrogate Rec = 76.4%		(58329)
C38	6.067	-0.001	10110.0	4992	Triacon Surrogate Rec = 86.7%		(55247)
C40	6.321	-0.004	11214	10526			
o-terph	3.985	0.001	174702	58329	JET-A (C10-C18)	7498157	570
Triacon Surr	5.206	-0.025	75927	55247			

JC 05/23/06

Range Times: NW Diesel(3.096 - 4.556) AK102(2.57 - 4.66) Jet A(2.57 - 3.91)
NW M.Oil(4.56 - 6.07) AK103(4.66 - 5.86) OR Diesel(2.57 - 4.99)

Data File: /chem3/fid3a.i/20060523.b/0523a012.d

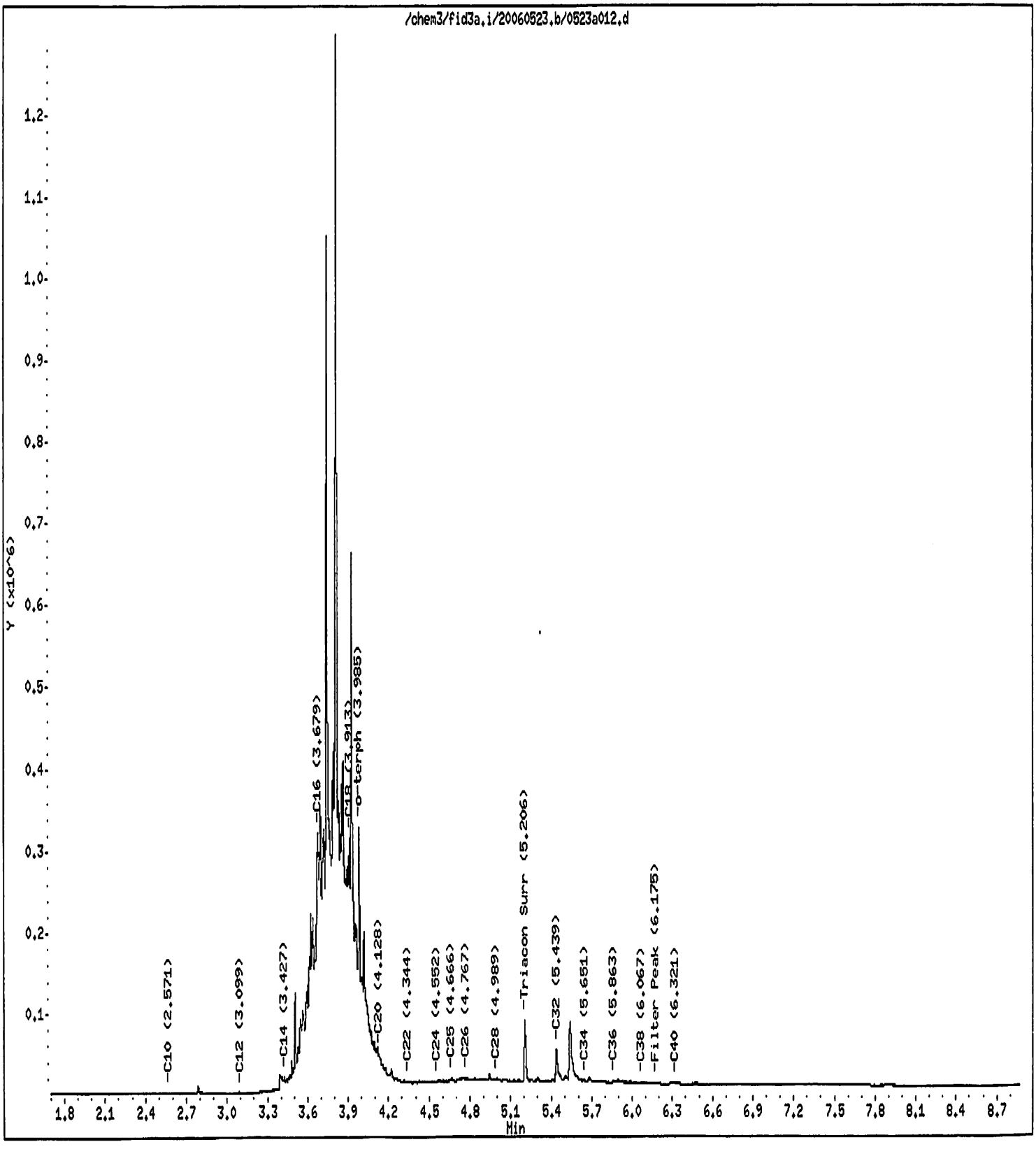
Date : 23-MAY-2006 08:29

Client ID:

Sample Info: JJ90B,10

Column phase: RTX-1

Instrument: fid3a.i

Operator: PC

Column diameter: 0.25