EPA Laboratory Management System
~~(68) B/N/Acid Scan~~ 17 PAH

Sample: 91130152Y
Method: EP2-625 GC/MS Ext Scan
Project: HWD-127A RIDGEFIELD BRICK AND TILE
Station: _____ Source:(23) Well (Test/Observati

Matrix:(10) Water-Total
Officer: Bailey, Marsha
Account: AGDD3A
Field Prep:(__) Unknown

Collected: 91/ 03/ 27
Received: 91/ 03/ 29

Comments: _____

Extracted: 91 / 04 / 03 Extractor: D.L.
Analyzed: 91 / 04 / 29 16 :57 Analyst: RYA
Reviewed: 91 / 04 / 30 By: RYA

Weight/Volume Extracted: 3200 ml
Percent Solids: _____
Final Review: 5/2/91 By: JMS
IBM Report: ___/___/___ By: _____

Sample Volume (ml): 3200 ml

Tape Identification: 25-1991-5100-WDOE
Tape File Number: #6

Final Extract Cool (ml): 10
Volume Injected (ul): ~~2~~
Dilution Factor: _____

Column Coating , Film Thickness: DB-5 , .25 u
Column Inside Diameter (mm): 0.254
Column Length (M): 30
Column Tubing Material: Fused Silica

Temperature 1,2 (deg. C): 35 , 50
Time 1,2 (min): 2 , 3
Ramp Rate 1,2 (deg. C/min): Hold , 5
Temperature 3,4 (deg. C): 320 , 320
Time 3,4 (min): 33.7, 6.3
Ramp Rate 3,4 (deg. C/min): 8 , Hold

Standard Run: WAN1119
Std. Stock Solution: LABN 1115
Background Run: WBW1093
Calibration Run: FC43 1119
Extraction Solvent: CH2CL2

Instrument: Finnigan
Carrier Gas: Helium
Gas Flow Rate (ml/min): 2
Run Time (min): 45

Start Mass (AMU): 35
AMU/sec: 415
Stop Mass (AMU): 450

Injection Port Temp. (deg. C): 250
GC/MS Ionization Mode: E I
Data Acquisition Mode: Acquire
Mass Analyzer (deg. C): 100
Beam Energy (EV): 70
Vacuum (Torr): 0.00001 (10^-5)

(End of Form) 2-APR-91 11:13 91130152

USEPA RCRA
3058018

Laboratory Name: MANCHESTER LAB
Case No: HWD-127A/1094

Sample Number
W91130152Y

LOW LEVEL ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 04/03/91
Date Analyzed: 04/29/91
Conc Factor: 12.80410
Percent Moisture: (Decanted) _____

GPC Cleanup ___ Yes _X_ No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction ___ Yes

CAS Number		%
108-95-2	Phenol	~~24~~ 21
95-57-8	2-Chlorophenol	77
95-48-7	2-Methylphenol	65
106-44-5	4-Methylphenol	49
88-75-5	2-Nitrophenol	91
105-67-9	2,4-Dimethylphenol	50
120-83-2	2,4-Dichlorophenol	74
91-20-3	Naphthalene	~~68~~ 67
59-50-7	4-Chloro-3-methylphenol	73
91-57-6	2-Methylnaphthalene	38
90-12-0	1-Methylnaphthalene	~~2~~ NAR
88-06-2	2,4,6-Trichlorophenol	72
95-95-4	2,4,5-Trichlorophenol	90
91-58-7	2-Chloronaphthalene	49
208-96-8	Acenaphthylene	71
83-32-9	Acenaphthene	71
51-28-5	2,4-Dinitrophenol	98
100-02-7	4-Nitrophenol	26
132-64-9	Dibenzofuran	65
86-73-7	Fluorene	79
534-52-1	4,6-Dinitro-2-methylphenol	74
87-86-5	Pentachlorophenol	~~110~~ 105

CAS Number			%
85-01-8	Phenanthrene		~~80~~ 79
120-12-7	Anthracene		69
86-74-8	9h-Carbazole		~~3 U~~ NAR
206-44-0	Fluoranthene		84
129-00-0	Pyrene		~~84~~ 83
483-65-8	Retene		~~0.80~~ NAR
56-55-3	Benzo(a)anthracene		~~82~~ 81
218-01-9	Chrysene		84
205-99-2	Benzo(b)fluoranthene		73 ~~76~~ ~~75~~ Rya
207-08-9	Benzo(k)fluoranthene		~~77~~ 75
50-32-8	Benzo(a)pyrene		74 ~~76~~ ~~75~~ Rya
193-39-5	Indeno(1,2,3-cd)pyrene		72
53-70-3	Dibenz(a,h)anthracene		61
191-24-2	Benzo(g,h,i)perylene		68
			%
4165-60-0	Nitrobenzene-d5	(SS)	87
321-60-8	2-Fluorobiphenyl	(SS)	57
1718-51-0	Terphenyl-d14	(SS)	71
4165-62-2	Phenol-d5	(SS)	20
367-12-4	2-Fluorophenol	(SS)	38
118-79-3	2,4,6-Tribromophenol	(SS)	NAR
1718-52-1	D_{10} pyrene		80

.92 4-30-91 Rya

4/29/91 16:57:30 SCAN 1 OF 5400
Acquisition started

Acquire Run 0:W130152Y Acquiring
04/29/91 16:57:00 + 0:02 Free sectors: 13541 Scan: 3 of 5400
Sample: W130152Y RIDGEFIELD MATRIX SPIKE 100% 10ML/2UL INJ
Conds.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
Formula: WDF1119/ISSM1098A Instrument: 5100 Weight: 0.000
Submitted by: RGX-WDOE Analyst: RYA/WDOE Acct. No: WAN1119

*** GC descriptor: PP ***

GC temperature: 35 DegC Injector: 250 DegC
Elapsed time : 0: 7 min Interface: 250 DegC

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total
1	35- 35	-	2.0	2.0
2	35- 50	5.0	3.0	5.0
3	50-320	8.0	33.7	38.7
4	320-320	-	6.3	45.0

Valve times (minutes)

	Open	Close
Sweep/Split	1.0	0.0
Divert	45.0	3.0

*** Scan Parameters ***

MODE: EI (+) Centroid + Temp - Sequence: LL (10 time windows.)

Verified 4-30-91 Rya
quantitated against RF from library

Window # 1
Number of cycles: 700
Filament is OFF
Multiplier is ON and set to -1294. volts

MID scan Desc: P0 Mass intervals: 4 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	93.528	100.530	0.117	1	80	10	1	0
2	109.533	116.535	0.117	1	80	10	1	0
3	126.538	133.540	0.117	1	80	10	1	0
4	148.545	155.546	0.117	1	80	10	1	0

Window # 2
Number of cycles: 625
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P0 Mass intervals: 4 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	93.528	100.530	0.117	1	80	10	1	0
2	109.533	116.535	0.117	1	80	10	1	0
3	126.538	133.540	0.117	1	80	10	1	0
4	148.545	155.546	0.117	1	80	10	1	0

Final Review 5/2/91 JMB

Window # 3
Number of cycles: 350
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P1 Mass intervals: 4 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	78.524	85.525	0.117	1	80	10	1	0
2	102.531	109.533	0.117	1	80	10	1	0
3	125.538	132.540	0.117	1	80	10	1	0
4	136.541	143.543	0.117	1	80	10	1	0

Window # 4

Number of cycles: 175
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P2 Mass intervals: 3 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	59.518	66.520	0.117	1	80	10	1	0
2	123.537	138.541	0.250	1	80	10	1	0
3	160.548	167.550	0.117	1	80	10	1	0

Window # 5

Number of cycles: 400
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P3 Mass intervals: 6 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	105.532	108.532	0.050	1	80	10	1	0
2	131.540	134.540	0.050	1	80	10	1	0
3	138.542	144.543	0.100	1	80	10	1	0
4	161.548	165.549	0.067	1	80	10	1	0
5	168.551	173.552	0.084	1	80	10	1	0
6	195.559	202.560	0.117	1	80	10	1	0

Window # 6

Number of cycles: 320
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P4 Mass intervals: 6 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	107.532	110.533	0.050	1	80	10	1	0
2	137.541	140.542	0.050	1	80	10	1	0
3	148.545	155.546	0.117	1	80	10	1	0
4	157.547	165.549	0.134	1	80	10	1	0
5	166.550	170.551	0.067	1	80	10	1	0
6	182.555	185.555	0.050	1	80	10	1	0

Window # 7

Number of cycles: 455
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P5 Mass intervals: 6 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	162.549	167.550	0.084	1	80	10	1	0
2	174.552	179.554	0.084	1	80	10	1	0
3	184.555	189.557	0.083	1	80	10	1	0
4	196.559	199.560	0.050	1	80	10	1	0
5	262.578	270.581	0.117	1	80	10	1	0

Window # 8

Number of cycles: 775
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P6 Mass intervals: 5 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	163.549	168.550	0.084	1	80	10	1	0
2	197.559	205.561	0.134	1	80	10	1	0
3	207.562	213.564	0.100	1	80	10	1	0
4	217.565	220.566	0.050	1	80	10	1	0
5	239.572	245.573	0.100	1	80	10	1	0

Window # 9

Number of cycles: 1600
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P7 Mass intervals: 5 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	224.567	229.569	0.084	1	80	10	1	0
2	235.571	241.572	0.100	1	80	10	1	0
3	247.574	253.576	0.100	1	80	10	1	0
4	260.578	265.579	0.084	1	80	10	1	0
5	273.582	279.583	0.100	1	80	10	1	0

Window # 10

Number of cycles: 10
Filament is ON
Multiplier is ON and set to -1294. volts

MID scan Desc: P7 Mass intervals: 5 Positive ion mode.
Scan time: 0.500 s Samp. int.: 0.200 ms Master rate: 128

Int #	Lo mass	Hi mass	Time	MPW	MFW	MA	TH	BL
1	224.567	229.569	0.084	1	80	10	1	0
2	235.571	241.572	0.100	1	80	10	1	0
3	247.574	253.576	0.100	1	80	10	1	0
4	260.578	265.579	0.084	1	80	10	1	0
5	273.582	279.583	0.100	1	80	10	1	0

Interface number	0	
Sub-interface number	0	
# of acqu buffers	24	
Instrument type	Q	
Full scale mass	812	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu
Offset at high mass	0	mmu
Voltage settling time(ms)	4	

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	128.00	128.00
Resolution (low)	128.00	128.00
Ion energy	1.33	-4.00
Ion programming	8.00	-4.00

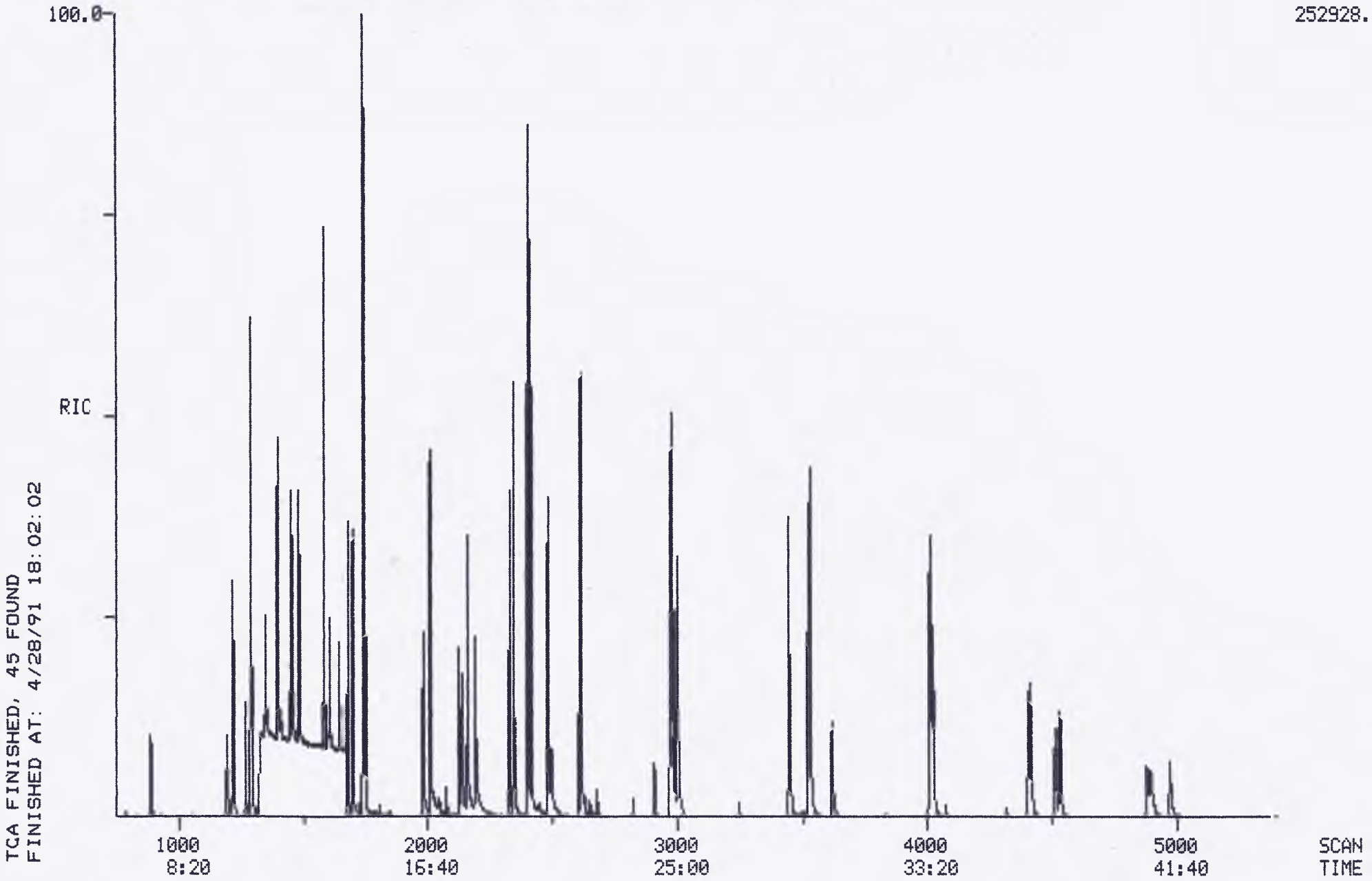
Extractor voltage	0.00	not used

Electron multiplier voltage: -1294.
Electrometer Range: 10 ^-7
Electrometer zero: 0.9

4/29/91 17:41:52
Acquisition completed
Scans 1 to 5400 centroid

Mode	Scans	Secs	out of	%	Peaks per scan	per	second
Centroid	5400	92.8	2700.0	3.4	35042.	6.	13.

MIDRIC DATA: W130152Y #1 SCANS 750 TO 5400
04/29/91 16:57:00 CALI: W130152Y #5
SAMPLE: W130152Y RIDGEFIELD MATRIX SPIKE 100% 10ML/2UL INJ
CONDS.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
RANGE: G 1,5400 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



Quantitation Report File: W130152Y

Data: W130152Y.TI
04/29/91 16:57:00
Sample: W130152Y RIDGEFIELD MATRIX SPIKE 100% 10ML/2UL INJ
Conds.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
Formula: WDF1119/ISSM1098A Instrument: 5100 Weight: 0.000
Submitted by: RGX-WDOE Analyst: RYA/WDOE Acct. No.: WAN1119

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

This is used because the conc. are close to the conc. of the Std of the Day

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (IS-1)
2	CI40 D8-NAPHTHALENE (IS-2)
3	CI50 D10-ACENAPHTHENE (IS-3)
4	CI60 D10-PHENANTHRENE (IS-4)
5	CI70 D12-CHRYSENE (IS-5)
6	CI75 D12-PERYLENE (IS-6)
7	CS50 2-FLUOROPHENOL (SS)
8	CS45 D5-PHENOL (SS)
9	C315 PHENOL
10	C330 2-CHLOROPHENOL
11	C355 2-METHYLPHENOL
12	C365 4-METHYLPHENOL
13	CS20 D5-NITROBENZENE (SS)
14	C420 2-NITROPHENOL
15	C425 2,4-DIMETHYLPHENOL
16	C440 2,4-DICHLOROPHENOL
17	C450 NAPHTHALENE
18	C465 4-CHLORO-3-METHYLPHENOL
19	C470 2-METHYLNAPHTHALENE
20	C475 1-METHYLNAPHTHALENE
21	C515 2,4,6-TRICHLOROPHENOL
22	C520 2,4,5-TRICHLOROPHENOL
23	CS25 2-FLUOROBIPHENYL (SS)
24	C525 2-CHLORONAPHTHALENE
25	C540 ACENAPHTHYLENE
26	C550 ACENAPHTHENE
27	C555 2,4-DINITROPHENOL
28	C565 DIBENZOFURAN
29	C560 4-NITROPHENOL
30	C590 9H-FLUORENE
31	CS55 2,4,6-TRIBROMOPHENOL (SS)
32	C610 4,6-DINITRO-2-METHYLPHENOL
33	C635 PENTACHLOROPHENOL
34	C640 PHENANTHRENE
35	C645 ANTHRACENE
36	C647 9H-CARBAZOLE
37	C655 FLUORANTHENE
38	CS35 D10-PYRENE (SS)
39	C715 PYRENE
40	CS30 D14-TERPHENYL (SS)
41	C717 RETENE(1-METHYL-7-(1-METHYLETHYL)-PHENANTHRENE)
42	C730 BENZO(A)ANTHRACENE
43	C740 CHRYSENE
44	C765 BENZO(B)FLUORANTHENE
45	C770 BENZO(K)FLUORANTHENE
46	C775 BENZO(A)PYRENE
47	C780 INDENO(1,2,3-CD)PYRENE

No	Name
48	C785 DIBENZ(A,H)ANTHRACENE
49	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	1291	10:46	1	1.000	A BB	181628.	5.000	UG/ML	3.05
2	136	1743	14:32	2	1.000	A BB	718501.	5.000	UG/ML	3.05
3	164	2405	20:03	3	1.000	A BB	341666.	5.000	UG/ML	3.05
4	188	2975	24:48	4	1.000	A BB	472234.	5.000	UG/ML	3.05
5	240	4015	33:28	5	1.000	A BB	224501.	5.000	UG/ML	3.05
6	264	4535	37:48	6	1.000	A BB	171829.	5.000	UG/ML	3.05
7	112	890	7:25	1	0.689	A BB	82343.	1.899	UG/ML	1.16
8	99	1193	9:57	1	0.924	A BB	60387.	1.008	UG/ML	0.61
9	94	1197	9:59	1	0.927	A BB	84390.	1.225	UG/ML	0.75
10	128	1221	10:11	1	0.946	A BB	182635.	3.863	UG/ML	2.36
11	108	1400	11:40	1	1.084	A BV	150387.	3.241	UG/ML	1.98
12	108	1457	12:09	1	1.129	A BB	121624.	2.459	UG/ML	1.50
13	82	1488	12:24	2	0.854	A BB	207768.	4.329	UG/ML	2.64
14	139	1610	13:25	2	0.924	A BB	96247.	4.556	UG/ML	2.78
15	107	1648	13:44	2	0.945	A BB	98879.	2.475	UG/ML	1.51
16	162	1702	14:11	2	0.976	A BB	118216.	3.713	UG/ML	2.26
17	128	1751	14:36	2	1.005	A BB	550122.	3.386	UG/ML	2.06
18	107	1984	16:32	2	1.138	A BB	116419.	3.638	UG/ML	2.22
19	142	2013	16:47	2	1.155	A BB	248469.	1.924	UG/ML	1.17
20	142	2048	17:04	2	1.175	A BB	6095.	0.106	UG/ML	0.06
21	196	2129	17:45	3	0.885	A BV	54666.	3.587	UG/ML	2.19
22	196	2140	17:50	3	0.890	A VB	67873.	4.520	UG/ML	2.76
23	172	2162	18:01	3	0.899	A BB	218162.	2.849	UG/ML	1.74
24	162	2194	18:17	3	0.912	A BB	186136.	2.468	UG/ML	1.51
25	152	2349	19:35	3	0.977	A BB	356776.	3.530	UG/ML	2.15
26	153	2417	20:09	3	1.005	A BB	260796.	3.542	UG/ML	2.16
27	184	2449	20:25	3	1.018	A BV	10334.	4.907	UG/ML	2.99
28	168	2485	20:43	3	1.033	A BB	337843.	3.252	UG/ML	1.98
29	109	2501	20:51	3	1.040	M XX	4137.	1.301	UG/ML	0.79
30	166	2618	21:49	3	1.089	A BB	312718.	3.954	UG/ML	2.41
31	NOT FOUND									
32	198	2653	22:07	4	0.892	A BB	21117.	3.707	UG/ML	2.26
33	266	2912	24:16	4	0.979	A BB	26456.	5.306	UG/ML	3.24
34	178	2984	24:52	4	1.003	A BB	424573.	3.976	UG/ML	2.42
35	178	3004	25:02	4	1.010	A BB	323304.	3.428	UG/ML	2.09
36	NOT FOUND									
37	202	3449	28:45	4	1.159	A BB	351547.	4.220	UG/ML	2.57
38	212	3527	29:24	5	0.878	A BB	236478.	4.015	UG/ML	2.45
39	202	3534	29:27	5	0.880	A BB	361999.	4.206	UG/ML	2.56
40	244	3622	30:11	5	0.902	A BB	133764.	3.566	UG/ML	2.18
41	NOT FOUND									
42	228	4012	33:26	5	0.999	A BV	184742.	4.110	UG/ML	2.51
43	228	4025	33:33	5	1.002	A VB	225369.	4.207	UG/ML	2.57
44	252	4407	36:44	6	0.972	A BV	147695.	3.781	UG/ML	2.31
45	252	4417	36:49	6	0.974	A VB	163911.	3.857	UG/ML	2.35
46	252	4516	37:38	6	0.996	A BB	115450.	3.779	UG/ML	2.30
47	276	4883	40:42	6	1.077	A BB	89210.	3.603	UG/ML	2.20
48	278	4898	40:49	6	1.080	A BB	73537.	3.063	UG/ML	1.87
49	276	4975	41:28	6	1.097	A BB	94080.	3.415	UG/ML	2.08

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:45	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
2	14:31	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
3	20:02	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
4	24:47	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
5	33:26	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
6	37:46	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
7	7:23	1.00	0.687	1.00	1.90	4.00	0.567	1.194	0.47
8	9:55	1.00	0.922	1.00	1.01	4.00	0.416	1.650	0.25
9	9:57	1.00	0.926	1.00	1.23	4.00	0.581	1.896	0.31
10	10:09	1.00	0.945	1.00	3.86	4.00	1.257	1.302	0.97
11	11:38	1.00	1.083	1.00	3.24	4.00	1.035	1.277	0.81
12	12:07	1.00	1.128	1.00	2.46	4.00	0.837	1.362	0.61
13	12:23	1.00	0.853	1.00	4.33	4.00	0.361	0.334	1.08
14	13:24	1.00	0.923	1.00	4.56	4.00	0.167	0.147	1.14
15	13:43	1.00	0.945	1.00	2.47	4.00	0.172	0.278	0.62
16	14:10	1.00	0.976	1.00	3.71	4.00	0.206	0.222	0.93
17	14:35	1.00	1.005	1.00	3.39	4.00	0.957	1.131	0.85
18	16:30	1.00	1.137	1.00	3.64	4.00	0.203	0.223	0.91
19	16:46	1.00	1.155	1.00	1.92	4.00	0.432	0.899	0.48
20	17:03	1.00	1.175	1.00	0.11	4.00	0.011	0.401	0.03
21	17:43	1.00	0.885	1.00	3.59	4.00	0.200	0.223	0.90
22	17:48	1.00	0.889	1.00	4.52	4.00	0.248	0.220	1.13
23	18:00	1.00	0.899	1.00	2.85	4.00	0.798	1.120	0.71
24	18:16	1.00	0.912	1.00	2.47	4.00	0.681	1.104	0.62
25	19:33	1.00	0.976	1.00	3.53	4.00	1.305	1.479	0.88
26	20:08	1.00	1.005	1.00	3.54	4.00	0.954	1.077	0.89
27	20:23	1.00	1.017	1.00	4.91	4.00	0.038	0.031	1.23
28	20:42	1.00	1.033	1.00	3.25	4.00	1.236	1.520	0.81
29	20:43	1.01	1.034	1.01	1.30	4.00	0.015	0.047	0.33
30	21:48	1.00	1.088	1.00	3.95	4.00	1.144	1.157	0.99
31	22:34		1.127						
32	22:05	1.00	0.891	1.00	3.71	4.00	0.056	0.060	0.93
33	24:14	1.00	0.978	1.00	5.31	4.00	0.070	0.053	1.33
34	24:51	1.00	1.003	1.00	3.98	4.00	1.124	1.131	0.99
35	25:01	1.00	1.009	1.00	3.43	4.00	0.856	0.999	0.86
36	25:38		1.034						
37	28:44	1.00	1.159	1.00	4.22	4.00	0.931	0.882	1.06
38	29:22	1.00	0.879	1.00	4.01	4.00	1.317	1.312	1.00
39	29:26	1.00	0.881	1.00	4.21	4.00	2.016	1.917	1.05
40	30:09	1.00	0.902	1.00	3.57	4.00	0.745	0.835	0.89
41	30:33		0.914						
42	33:24	1.00	0.999	1.00	4.11	4.00	1.029	1.001	1.03
43	33:31	1.00	1.003	1.00	4.21	4.00	1.255	1.193	1.05
44	36:42	1.00	0.972	1.00	3.78	4.00	1.074	1.137	0.95
45	36:47	1.00	0.974	1.00	3.86	4.00	1.192	1.237	0.96
46	37:36	1.00	0.996	1.00	3.78	4.00	0.840	0.889	0.94
47	40:40	1.00	1.077	1.00	3.60	4.00	0.649	0.720	0.90
48	40:46	1.00	1.079	1.00	3.06	4.00	0.535	0.699	0.77
49	41:26	1.00	1.097	1.00	3.41	4.00	0.684	0.802	0.85

Quantitation Report File: W130152Y

Data: W130152Y.TI
04/29/91 16:57:00
Sample: W130152Y RIDGEFIELD MATRIX SPIKE 100% 10ML/2UL INJ
Conds.: WDOE 35 DEG 2 MIN 50 DEG @ 5 MIN 320 DEG @ 8 DEG/MIN
Formula: WDF1119/ISSM1098A Instrument: 5100 Weight: 0.000
Submitted by: RGX-WDOE Analyst: RYA/WDOE Acct. No.: WAN1119

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from linear fit to whole .RL

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (IS-1)
2	CI40 D8-NAPHTHALENE (IS-2)
3	CI50 D10-ACENAPHTHENE (IS-3)
4	CI60 D10-PHENANTHRENE (IS-4)
5	CI70 D12-CHRYSENE (IS-5)
6	CI75 D12-PERYLENE (IS-6)
7	CS50 2-FLUOROPHENOL (SS)
8	CS45 D5-PHENOL (SS)
9	C315 PHENOL
10	C330 2-CHLOROPHENOL
11	C355 2-METHYLPHENOL
12	C365 4-METHYLPHENOL
13	CS20 D5-NITROBENZENE (SS)
14	C420 2-NITROPHENOL
15	C425 2,4-DIMETHYLPHENOL
16	C440 2,4-DICHLOROPHENOL
17	C450 NAPHTHALENE
18	C465 4-CHLORO-3-METHYLPHENOL
19	C470 2-METHYLNAPHTHALENE
20	C475 1-METHYLNAPHTHALENE
21	C515 2,4,6-TRICHLOROPHENOL
22	C520 2,4,5-TRICHLOROPHENOL
23	CS25 2-FLUOROBIPHENYL (SS)
24	C525 2-CHLORONAPHTHALENE
25	C540 ACENAPHTHYLENE
26	C550 ACENAPHTHENE
27	C555 2,4-DINITROPHENOL
28	C565 DIBENZOFURAN
29	C560 4-NITROPHENOL
30	C590 9H-FLUORENE
31	CS55 2,4,6-TRIBROMOPHENOL (SS)
32	C610 4,6-DINITRO-2-METHYLPHENOL
33	C635 PENTACHLOROPHENOL
34	C640 PHENANTHRENE
35	C645 ANTHRACENE
36	C647 9H-CARBAZOLE
37	C655 FLUORANTHENE
38	CS35 D10-PYRENE (SS)
39	C715 PYRENE
40	CS30 D14-TERPHENYL (SS)
41	C717 RETENE(1-METHYL-7-(1-METHYLETHYL)-PHENANTHRENE)
42	C730 BENZO(A)ANTHRACENE
43	C740 CHRYSENE
44	C765 BENZO(B)FLUORANTHENE
45	C770 BENZO(K)FLUORANTHENE
46	C775 BENZO(A)PYRENE
47	C780 INDENO(1,2,3-CD)PYRENE

No	Name
48	C785 DIBENZ(A,H)ANTHRACENE
49	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	1291	10:46	1	1.000	A BB	181628	5.000 UG/ML	3.16
2	136	1743	14:32	2	1.000	A BB	718501	5.000 UG/ML	3.16
3	164	2405	20:03	3	1.000	A BB	341666	5.000 UG/ML	3.16
4	188	2975	24:48	4	1.000	A BB	472234	5.000 UG/ML	3.16
5	240	4015	33:28	5	1.000	A BB	224501	5.000 UG/ML	3.16
6	264	4535	37:48	6	1.000	A BB	171829	5.000 UG/ML	3.16
7	112	890	7:25	1	0.689	A BB	82343	2.301 UG/ML	1.45
8	99	1193	9:57	1	0.924	A BB	60387	1.225 UG/ML	0.77
9	94	1197	9:59	1	0.927	A BB	84390	1.648 UG/ML	1.04
10	128	1221	10:11	1	0.946	A BB	182635	3.216 UG/ML	2.03
11	108	1400	11:40	1	1.084	A BV	150387	2.871 UG/ML	1.81
12	108	1457	12:09	1	1.129	A BB	121624	2.502 UG/ML	1.58
13	82	1488	12:24	2	0.854	A BB	207768	5.012 UG/ML	3.17
14	139	1610	13:25	2	0.924	A BB	96247	3.124 UG/ML	1.97
15	107	1648	13:44	2	0.945	A BB	98879	2.591 UG/ML	1.64
16	162	1702	14:11	2	0.976	A BB	118216	2.916 UG/ML	1.84
17	128	1751	14:36	2	1.005	A BB	550122	3.240 UG/ML	2.05
18	107	1984	16:32	2	1.138	A BB	116419	2.867 UG/ML	1.81
19	142	2013	16:47	2	1.155	A BB	248469	2.001 UG/ML	1.26
20	142	2048	17:04	2	1.175	A BB	6095	0.146 UG/ML	0.09
21	196	2129	17:45	3	0.885	A BV	54666	2.952 UG/ML	1.87
22	196	2140	17:50	3	0.890	A VB	67873	3.051 UG/ML	1.93
23	172	2162	18:01	3	0.899	A BB	218162	2.859 UG/ML	1.81
24	162	2194	18:17	3	0.912	A BB	186136	2.509 UG/ML	1.59
25	152	2349	19:35	3	0.977	A BB	356776	3.103 UG/ML	1.96
26	153	2417	20:09	3	1.005	A BB	260796	3.243 UG/ML	2.05
27	184	2449	20:25	3	1.018	A BV	10334	8.070 UG/ML	5.10
28	168	2485	20:43	3	1.033	A BB	337843	2.977 UG/ML	1.88
29	109	~~2487~~	20:44	3	1.034	A BB	4137 ~~585~~	0.234 UG/ML	0.15
30	166	2618	21:49	3	1.089	A BB	312718	3.228 UG/ML	2.04
31	NOT FOUND								
32	198	2653	22:07	4	0.892	A BB	21117	5.770 UG/ML	3.65
33	266	2912	24:16	4	0.979	A BB	26456	6.700 UG/ML	4.23
34	178	2984	24:52	4	1.003	A BB	424573	3.456 UG/ML	2.18
35	178	3004	25:02	4	1.010	A BB	323304	2.972 UG/ML	1.88
36	NOT FOUND								
37	202	3449	28:45	4	1.159	A BB	351547	3.159 UG/ML	2.00
38	212	3527	29:24	5	0.878	A BB	236478	4.312 UG/ML	2.73
39	202	3534	29:27	5	0.880	A BB	361999	3.467 UG/ML	2.19
40	244	3622	30:11	5	0.902	A BB	133764	3.923 UG/ML	2.48
41	NOT FOUND								
42	228	4012	33:26	5	0.999	A BV	184742	3.682 UG/ML	2.33
43	228	4025	33:33	5	1.002	A VB	225369	3.823 UG/ML	2.42
44	252	4407	36:44	6	0.972	A BV	147695	3.205 UG/ML	2.03
45	252	4417	36:49	6	0.974	A VB	163911	3.178 UG/ML	2.01
46	252	4516	37:38	6	0.996	A BB	115450	3.241 UG/ML	2.05
47	276	4883	40:42	6	1.077	A BB	89210	3.246 UG/ML	2.05
48	278	4898	40:49	6	1.080	A BB	73537	3.010 UG/ML	1.90
49	276	4975	41:28	6	1.097	A BB	94080	3.198 UG/ML	2.02

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:45	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
2	14:31	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
3	20:02	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
4	24:47	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
5	33:26	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
6	37:46	1.00	1.000	1.00	5.00	5.00	1.000	1.000	1.00
7	7:23	1.00	0.687	1.00	2.30	4.00	0.687	1.194	0.58
8	9:55	1.00	0.922	1.00	1.23	4.00	0.505	1.650	0.31
9	9:57	1.00	0.926	1.00	1.65	4.00	0.781	1.896	0.41
10	10:09	1.00	0.945	1.00	3.22	4.00	1.046	1.302	0.80
11	11:38	1.00	1.083	1.00	2.87	4.00	0.917	1.277	0.72
12	12:07	1.00	1.128	1.00	2.50	4.00	0.852	1.362	0.63
13	12:23	1.00	0.853	1.00	5.01	4.00	0.419	0.334	1.25
14	13:24	1.00	0.923	1.00	3.12	4.00	0.115	0.147	0.78
15	13:43	1.00	0.945	1.00	2.59	4.00	0.180	0.278	0.65
16	14:10	1.00	0.976	1.00	2.92	4.00	0.162	0.222	0.73
17	14:35	1.00	1.005	1.00	3.24	4.00	0.916	1.131	0.81
18	16:30	1.00	1.137	1.00	2.87	4.00	0.160	0.223	0.72
19	16:46	1.00	1.155	1.00	2.00	4.00	0.450	0.899	0.50
20	17:03	1.00	1.175	1.00	0.15	4.00	0.015	0.401	0.04
21	17:43	1.00	0.885	1.00	2.95	4.00	0.165	0.223	0.74
22	17:48	1.00	0.889	1.00	3.05	4.00	0.168	0.220	0.76
23	18:00	1.00	0.899	1.00	2.86	4.00	0.801	1.120	0.71
24	18:16	1.00	0.912	1.00	2.51	4.00	0.692	1.104	0.63
25	19:33	1.00	0.976	1.00	3.10	4.00	1.147	1.479	0.78
26	20:08	1.00	1.005	1.00	3.24	4.00	0.873	1.077	0.81
27	20:23	1.00	1.017	1.00	8.07	4.00	0.062	0.031	2.02
28	20:42	1.00	1.033	1.00	2.98	4.00	1.131	1.520	0.74
29	20:43	1.00	1.034	1.00	0.23	4.00	0.003	0.047	0.06
30	21:48	1.00	1.088	1.00	3.23	4.00	0.934	1.157	0.81
31	22:34		1.127						
32	22:05	1.00	0.891	1.00	5.77	4.00	0.087	0.060	1.44
33	24:14	1.00	0.978	1.00	6.70	4.00	0.088	0.053	1.67
34	24:51	1.00	1.003	1.00	3.46	4.00	0.977	1.131	0.86
35	25:01	1.00	1.009	1.00	2.97	4.00	0.742	0.999	0.74
36	25:38		1.034						
37	28:44	1.00	1.159	1.00	3.16	4.00	0.697	0.882	0.79
38	29:22	1.00	0.879	1.00	4.31	4.00	1.414	1.312	1.08
39	29:26	1.00	0.881	1.00	3.47	4.00	1.662	1.917	0.87
40	30:09	1.00	0.902	1.00	3.92	4.00	0.819	0.835	0.98
41	30:33		0.914						
42	33:24	1.00	0.999	1.00	3.68	4.00	0.921	1.001	0.92
43	33:31	1.00	1.003	1.00	3.82	4.00	1.140	1.193	0.96
44	36:42	1.00	0.972	1.00	3.20	4.00	0.911	1.137	0.80
45	36:47	1.00	0.974	1.00	3.18	4.00	0.983	1.237	0.79
46	37:36	1.00	0.996	1.00	3.24	4.00	0.720	0.889	0.81
47	40:40	1.00	1.077	1.00	3.25	4.00	0.585	0.720	0.81
48	40:46	1.00	1.079	1.00	3.01	4.00	0.526	0.699	0.75
49	41:26	1.00	1.097	1.00	3.20	4.00	0.641	0.802	0.80

PROCEDURE: TCA DIAGNOSTIC REPORT 4/28/91 17:56:26
DATA FILE: W130152Y
REFERENCE: BNA11
NAME LIST: LLBNA INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: LLBNAX

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
6	6	16	60	12	12	1	97	LLBNAX/LLBNA1
1	1	1	0	9	9	1	116	LLBNAX2/LLBNA2
1	1	1	0	6	6	2	86	LLBNAX3/LLBNA3
1	1	1	0	7	5	1	99	LLBNAX3/LLBNA4
1	1	1	0	7	6	1	80	LLBNAX4/LLBNA5
1	1	1	0	7	6	1	78	LLBNAX5/LLBNA6
1	1	1	0	7	7	4	120	LLBNAX6/LLBNA7

49 COMPOUNDS PROCESSED, 45 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	LL	1	-1289	1291	1291	.	1	946	.	152	1291	.	1
2	LL	2	-1741	1743	1743	.	2	992	.	136	1743	.	1
3	LL	3	-2403	2405	2405	.	2	980	.	164	2405	.	1
4	LL	4	-2973	2976	2975	-1	2	905	.	188	2975	.	1
5	LL	5	-4011	4014	4015	1	1	974	.	240	4015	.	1
6	LL	6	-4532	4535	4535	.	2	980	.	264	4535	.	1
7	LL	8	-886	889	890	1	1	997	.	112	890	.	1
8	LL	10	-1189	1192	1193	1	1	996	.	99	1193	.	1
9	LL	11	-1193	1196	1197	1	1	1000	.	94	1197	.	1
10	LL	14	-1218	1221	1221	.	1	981	.	128	1221	.	1
11	LL	20	-1396	1399	1400	1	1	995	.	108	1400	.	1
12	LL	24	-1454	1457	1458	1	1	995	.	108	1457	-1	1
13	LL	25	-1485	1488	1487	-1	1	997	.	82	1488	1	1
14	LL	28	-1607	1610	1610	.	1	956	.	139	1610	.	1
15	LL	29	-1645	1648	1648	.	1	996	.	107	1648	.	1
16	LL	31	-1699	1702	1703	1	1	997	.	162	1702	-1	1
17	LL	34	-1749	1752	1751	-1	1	994	.	128	1751	.	1
18	LL	38	-1979	1982	1984	2	1	987	.	107	1984	.	1
19	LL	39	-2011	2014	2013	-1	1	991	.	142	2013	.	1
20	LL	40	-2046	2049	2048	-1	1	991	.	142	2048	.	1
21	LL	42	-2126	2129	2129	.	1	996	.	196	2129	.	1
22	LL	43	-2136	2139	2140	1	2	995	.	196	2140	.	1
23	LL	44	-2160	2163	2162	-1	1	1000	.	172	2162	.	1
24	LL	45	-2192	2195	2194	-1	1	1000	.	162	2194	.	1
25	LL	48	-2346	2348	2349	1	1	996	.	152	2349	.	1
26	LL	51	-2415	2417	2417	.	1	997	.	153	2417	.	1
27	LL	52	-2445	2448	2449	1	1	968	.	184	2449	.	1
28	LL	54	-2483	2486	2485	-1	1	997	.	168	2485	.	1
29	LL	55	-2485	2488	.	.	.	.	.	109	2487	.	1
30	LL	58	-2615	2618	2618	.	1	987	.	166	2618	.	1
31	LL	63	-2707	2710	.	.	.	.	.	330	.	.	.
32	LL	64	-2650	2653	2653	.	1	998	.	198	2653	.	1
33	LL	68	-2908	2911	2912	1	1	960	.	266	2912	.	1
34	LL	69	-2982	2985	2984	-1	1	985	.	178	2984	.	1
35	LL	70	-3001	3004	3004	.	1	984	.	178	3004	.	1
36	LL	71	-3075	3078	.	.	.	.	.	167	.	.	.
37	LL	73	-3447	3449	3449	.	1	997	.	202	3449	.	1
38	LL	75	-3524	3527	3527	.	1	970	.	212	3527	.	1
39	LL	76	-3532	3535	3534	-1	1	999	.	202	3534	.	1
40	LL	77	-3618	3621	3622	1	1	985	.	244	3622	.	1
41	LL	78	-3665	3668	.	.	.	.	.	219	.	.	.
42	LL	80	-4008	4012	4012	.	1	952	.	228	4012	.	1
43	LL	82	-4022	4026	4025	-1	1	949	.	228	4025	.	1
44	LL	85	-4404	4407	4407	.	2	962	.	252	4407	.	1

46	LL	87	-4512	4515	4516	1	1	961	.	252	4516	.	1
47.	LL*	88	-4879	4884	4883	-1	1	974	.	276	4883	.	1
48	LL	90	-4891	4896	4898	2	1	890	.	278	4898	.	1
49	LL	91	-4972	4977	4976	-1	1	975	.	276	4975	-1	1