

## BASELINE 810 CUSTOM REPORT

Printed: 10-NOV-2008 11:33:39

SAMPLE: 707848-Std 4

#5 in Method: EPA8315M,ODS COL,SHIMADZU LC/UV  
 Acquired: 6-NOV-2008 13:18  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

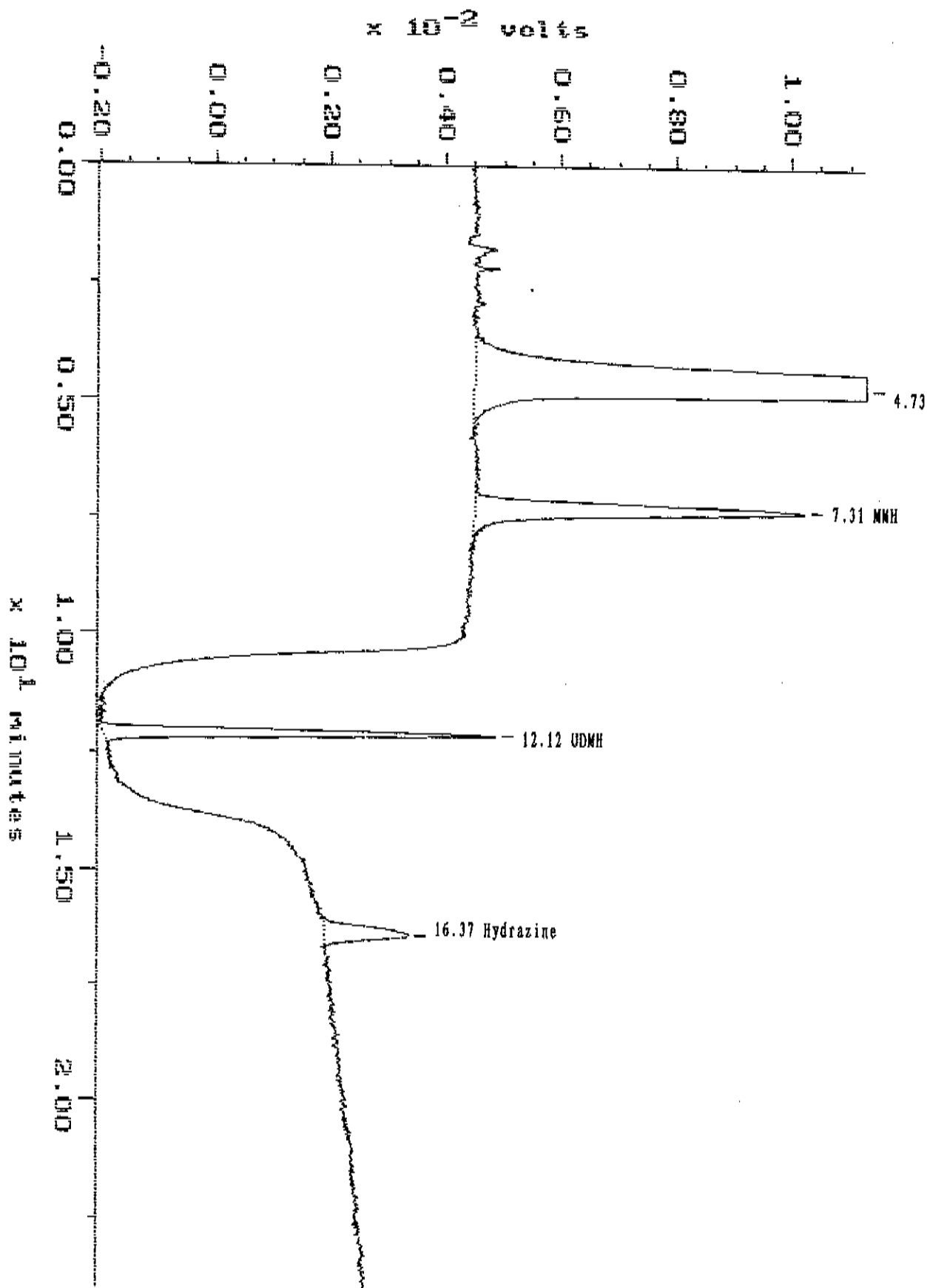
Type: STND  
 Instrument: Shimadzu 6A  
 Filename: N0080605  
 Index: 5

DETECTOR: UV #1 365

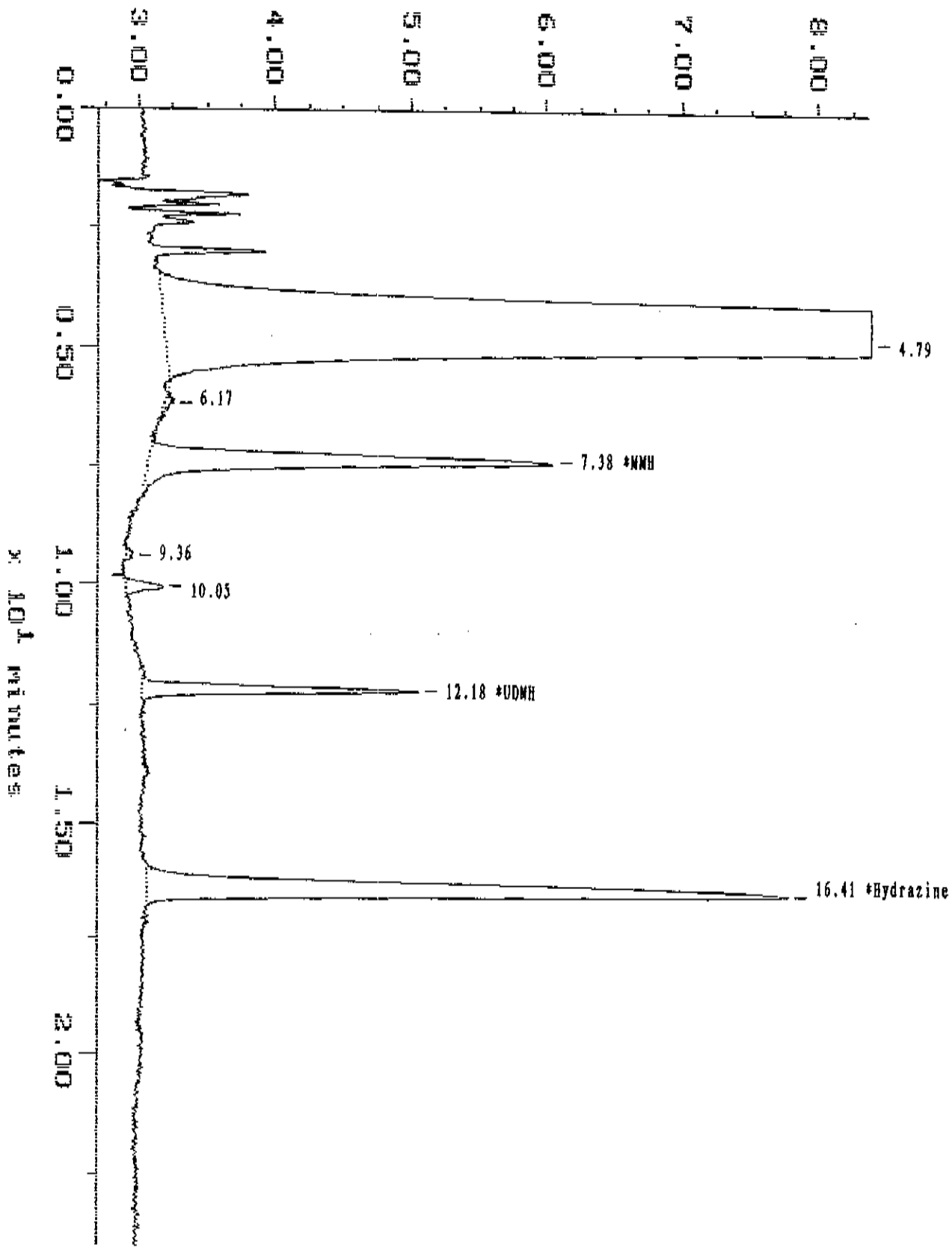
PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.733	582687	
2	1	MNH	7.308	94859	50.0000
3	3	UDMH	12.117	65068	50.0000
4	5	Hydrazine	16.367	25281	10.0000
TOTAL				767895	110.0000

DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.792	3854296	
2			6.167	1173	
3	2	*MNH	7.375	50218	50.0000
4			9.358	720	
5			10.050	3028	
6	4	*UDMH	12.175	20042	50.0000
7	6	*Hydrazine	16.408	87643	10.0000
TOTAL				4017120	110.0000



$\times 10^{-3}$  volts



## BASELINE 810 CUSTOM REPORT

Printed: 10-NOV-2008 11:34:23

SAMPLE: 707848-Std 5

#6 in Method: EPA8315M, ODS COL, SRIMADZU LC/UV  
 Acquired: 6-NOV-2008 13:43  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

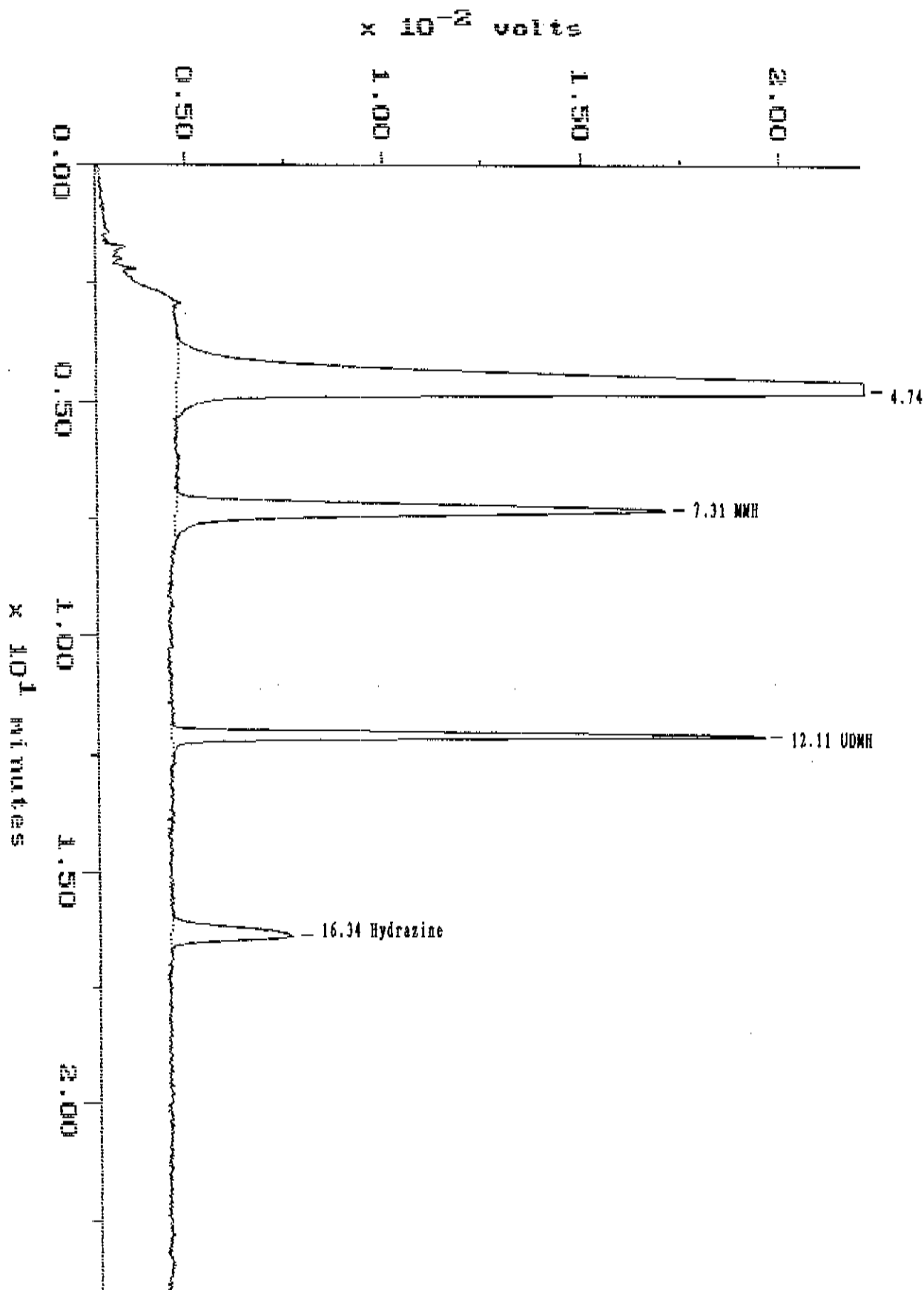
Type: STND  
 Instrument: Shimadzu 6A  
 Filename: N0080606  
 Index: 6

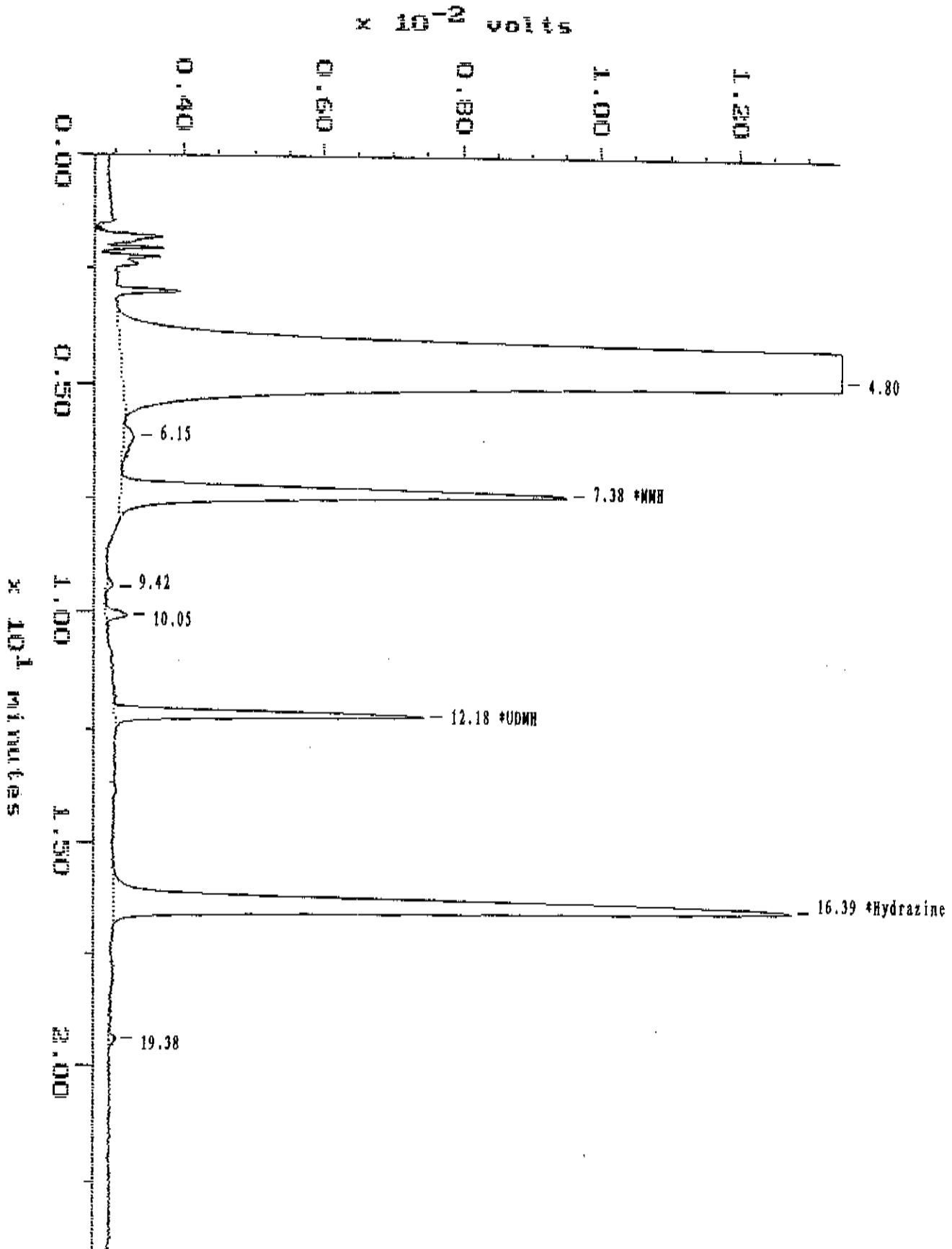
DETECTOR: UV #1 365

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.742	665245	
2	1	NMH	7.308	200620	100.0000
3	3	UDMH	12.108	140437	100.0000
4	5	Hydrazine	16.342	54990	20.0000
TOTAL				1061293	220.0000

DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.800	4436533	
2			6.150	3495	
3	2	*MMH	7.375	104717	100.0000
4			9.417	950	
5			10.050	3175	
6	4	*UDMH	12.175	43097	100.0000
7	6	*Hydrazine	16.392	184541	20.0000
8			19.375	972	
TOTAL				4777481	220.0000







## BASELINE 810 CUSTOM REPORT

Printed: 10-NOV-2008 11:35:09

SAMPLE: 1CV @ 25ppb

#7 in Method: EPA8315M,ODS COL,SHIMADZU LC/UV  
 Acquired: 6-NOV-2008 14:08  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

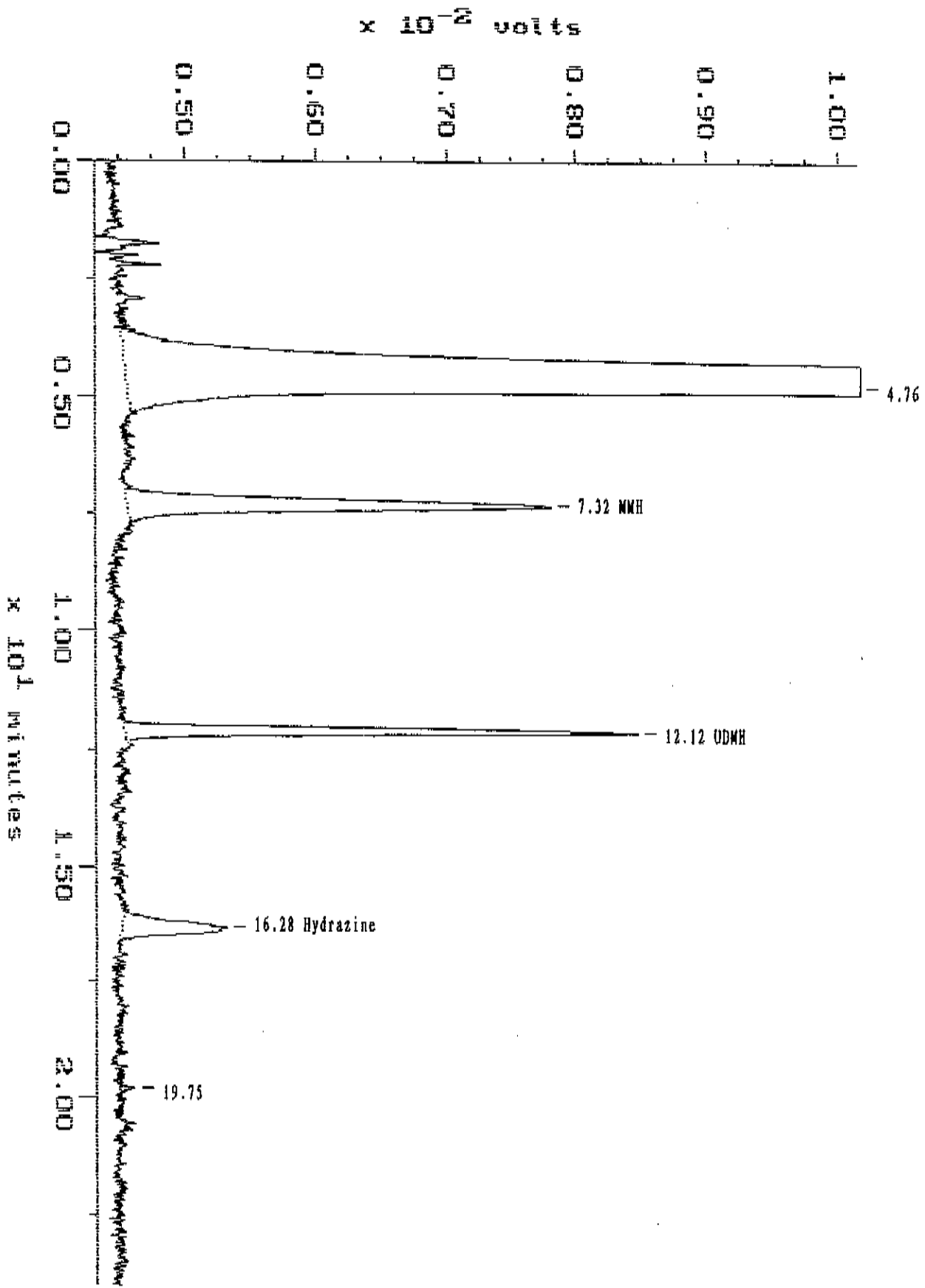
Type: UNKN  
 Instrument: Shimadzu 6A  
 Filename: N0080607  
 Index: 7

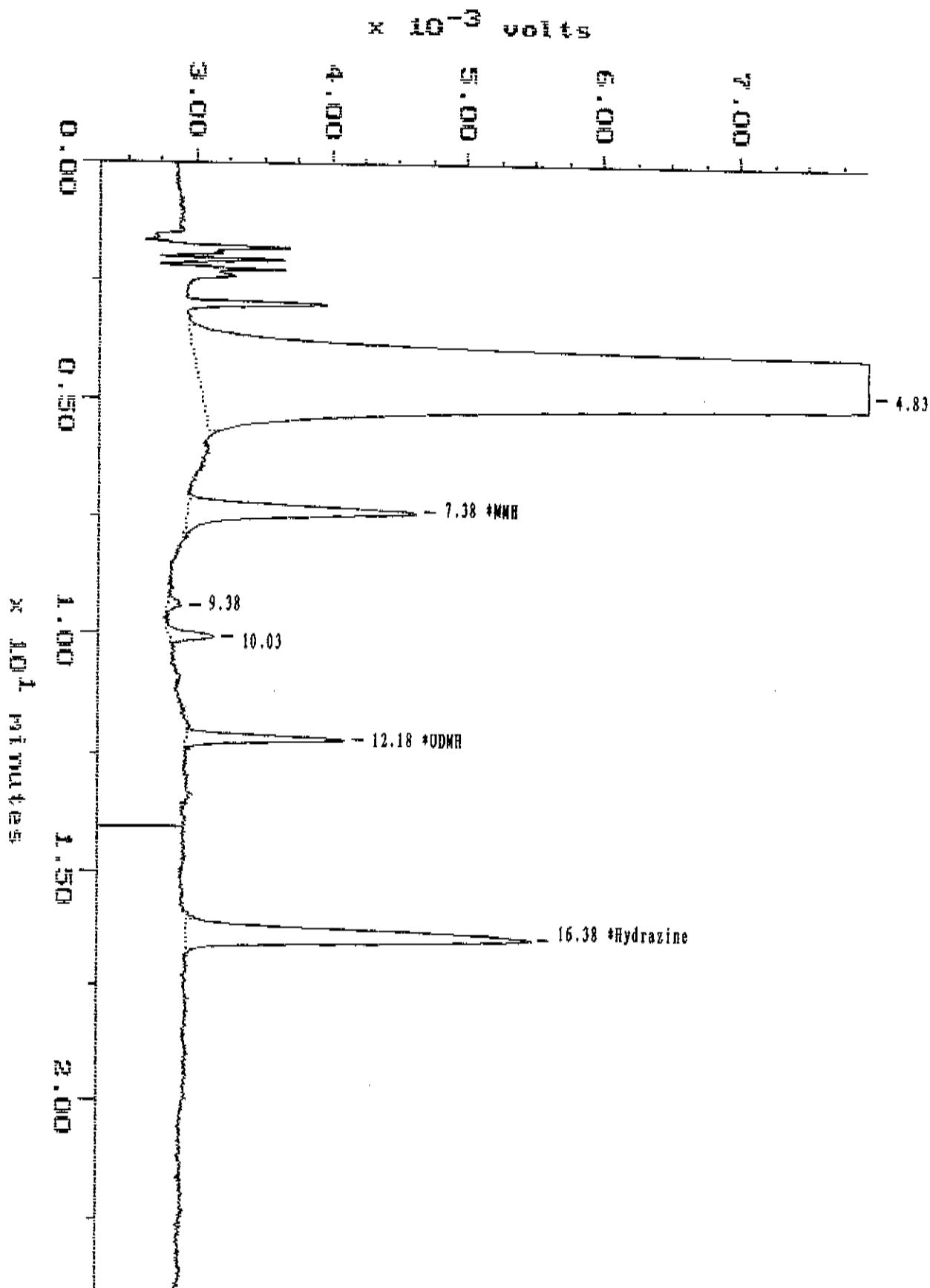
DETECTOR: UV #1 365

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.758	746615	
2	1	MNH	7.317	51771	25.9970
3	3	UDMH	12.117	37726	27.1158
4	5	Hydrazine	16.283	14078	5.1929
5			19.750	934	
TOTAL				851124	58.3057

DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.825	4948145	
2	2	*MNH	7.375	27887	26.7366
3			9.383	844	
4			10.033	3631	
5	4	*UDMH	12.183	11696	27.3354
6	6	*Hydrazine	16.383	47425	5.1760
TOTAL				5039629	59.2479





**BASELINE 810 CUSTOM REPORT**

Printed: 10-NOV-2008 11:35:52

SAMPLE: 707848-LCS

#8 in Method: EPA8315M,ODS COL,SHIMADZU LC/UV  
 Acquired: 6-NOV-2008 14:34  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

Type: UNKN  
 Instrument: Shimadzu 6A  
 Filename: N0080608  
 Index: 8

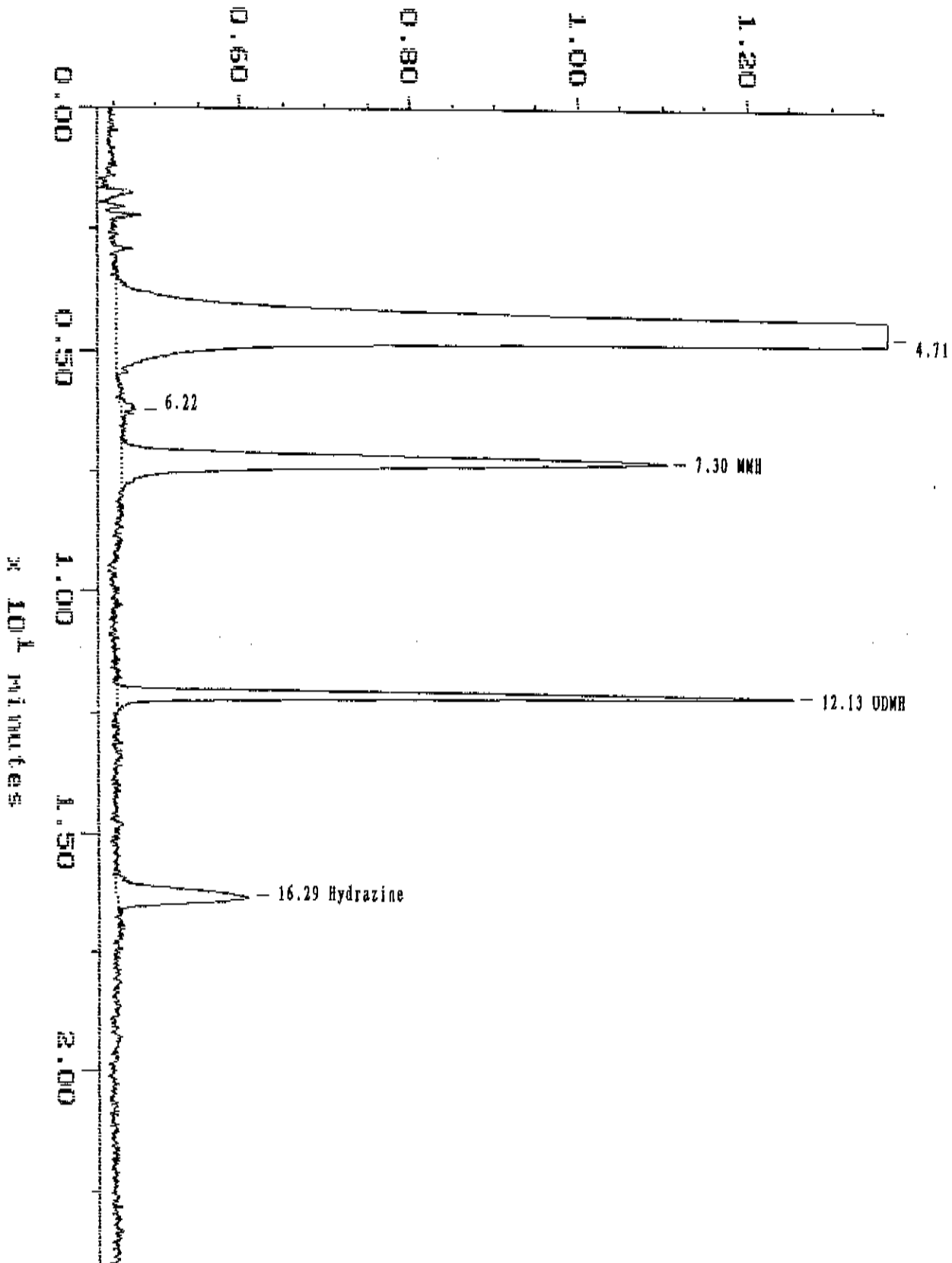
DETECTOR: UV #1 365

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.708	690044	
2			6.217	1877	
3	1	MNH	7.300	105039	52.7455
4	3	UDMH	12.125	74841	53.7921
5	5	Hydrazine	16.292	29340	10.8230
TOTAL				901141	117.3607

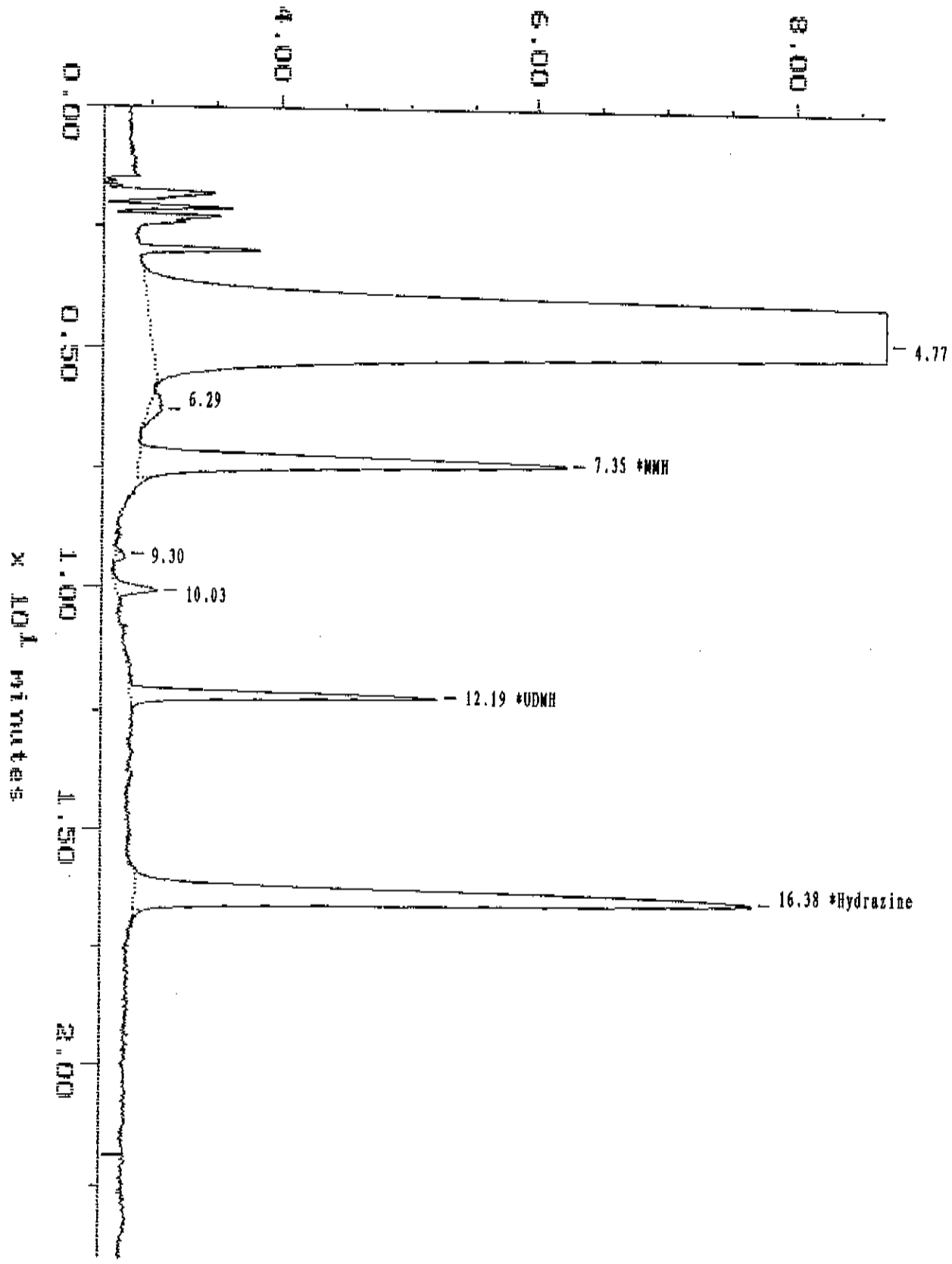
DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.767	4538996	
2			6.292	3007	
3	2	*MNH	7.350	54299	52.0590
4			9.300	834	
5			10.033	3613	
6	4	*UDMH	12.192	22825	53.3448
7	6	*Hydrazine	16.383	93361	10.1894
TOTAL				4716935	115.5932

$\times 10^{-2}$  volts



$\times 10^{-3}$  volts



# BASELINE 810 CUSTOM REPORT

Printed: 10-NOV-2008 11:36:37

SAMPLE: 707848-LCSD

#9 in Method: EPA8315M,ODS COL,SHIMADZU LC/UV  
 Acquired: 6-NOV-2008 14:59  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

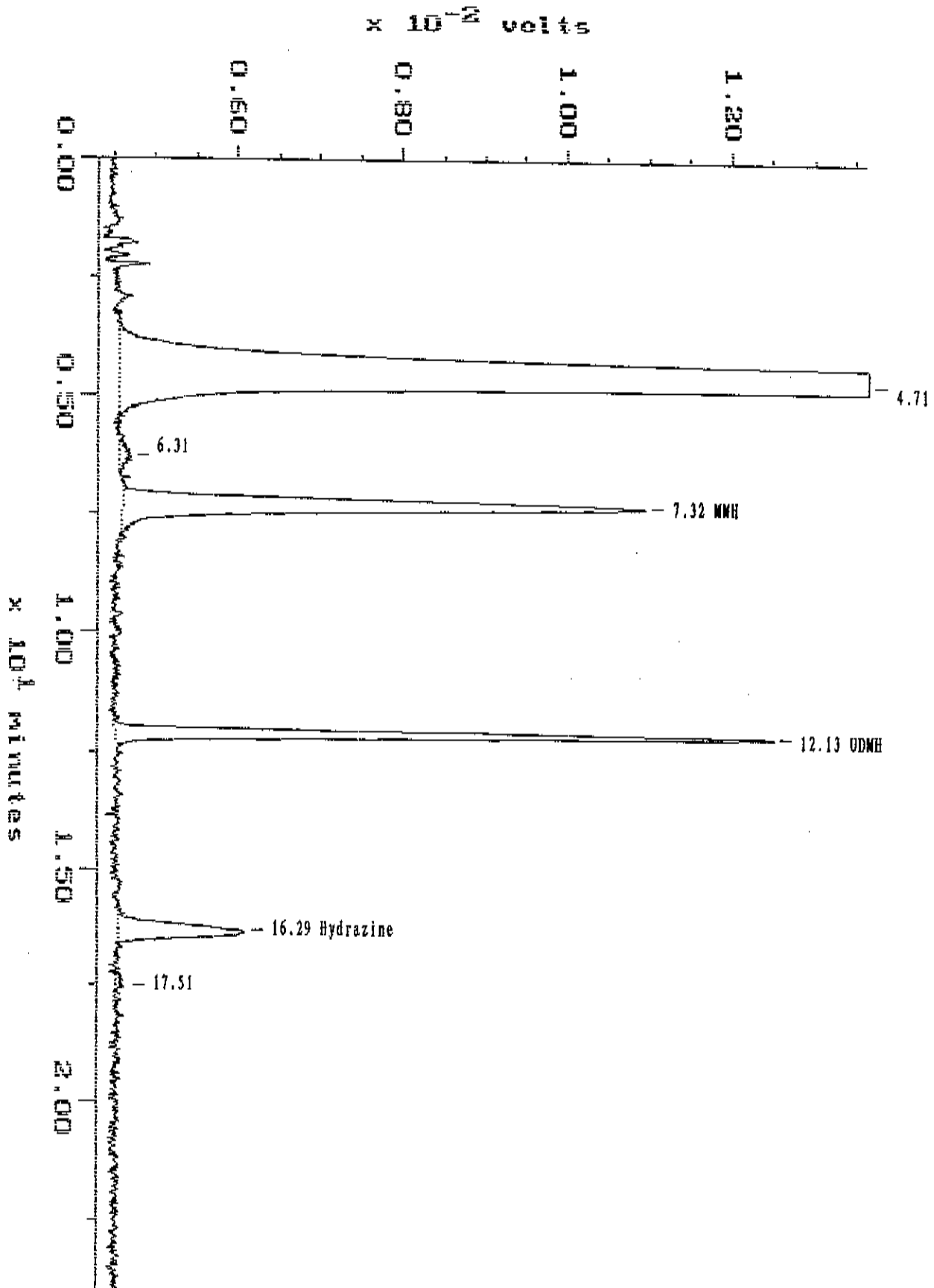
Type: UNKN  
 Instrument: Shimadzu 6A  
 Filename: N0080609  
 Index: 9

DETECTOR: UV #1 365

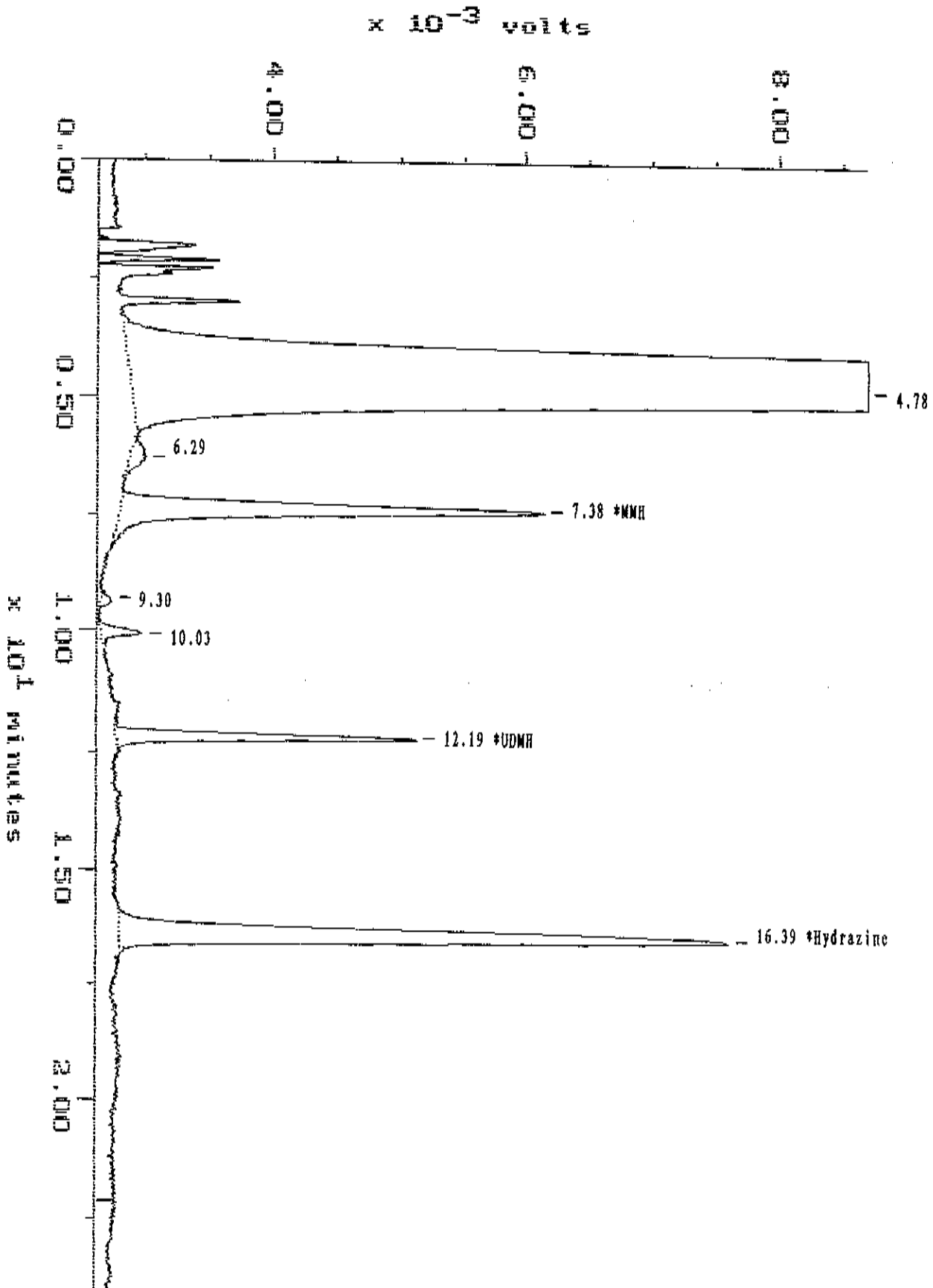
PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.708	687524	
2			6.308	2850	
3	1	MNH	7.317	106560	53.5097
4	3	UDMH	12.125	75284	54.1107
5	5	Hydrazine	16.292	26913	9.9276
6			17.508	1193	
TOTAL				900325	117.5480

DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.775	4548044	
2			6.292	3216	
3	2	*MNH	7.375	57165	54.8074
4			9.300	1161	
5			10.025	3467	
6	4	*UDMH	12.192	22719	53.0965
7	6	*Hydrazine	16.392	88489	9.6576
TOTAL				4724261	117.5616







## BASELINE 810 CUSTOM REPORT

Printed: 10-NOV-2008 11:37:21

SAMPLE: 707848-MB

#10 in Method: EPA8315M,QDS COL,SHIMADZU LC/UV  
 Acquired: 6-NOV-2008 15:25  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

Type: UNKN  
 Instrument: Shimadzu 6A  
 Filename: N0080610  
 Index: 10

DETECTOR: UV #1 365

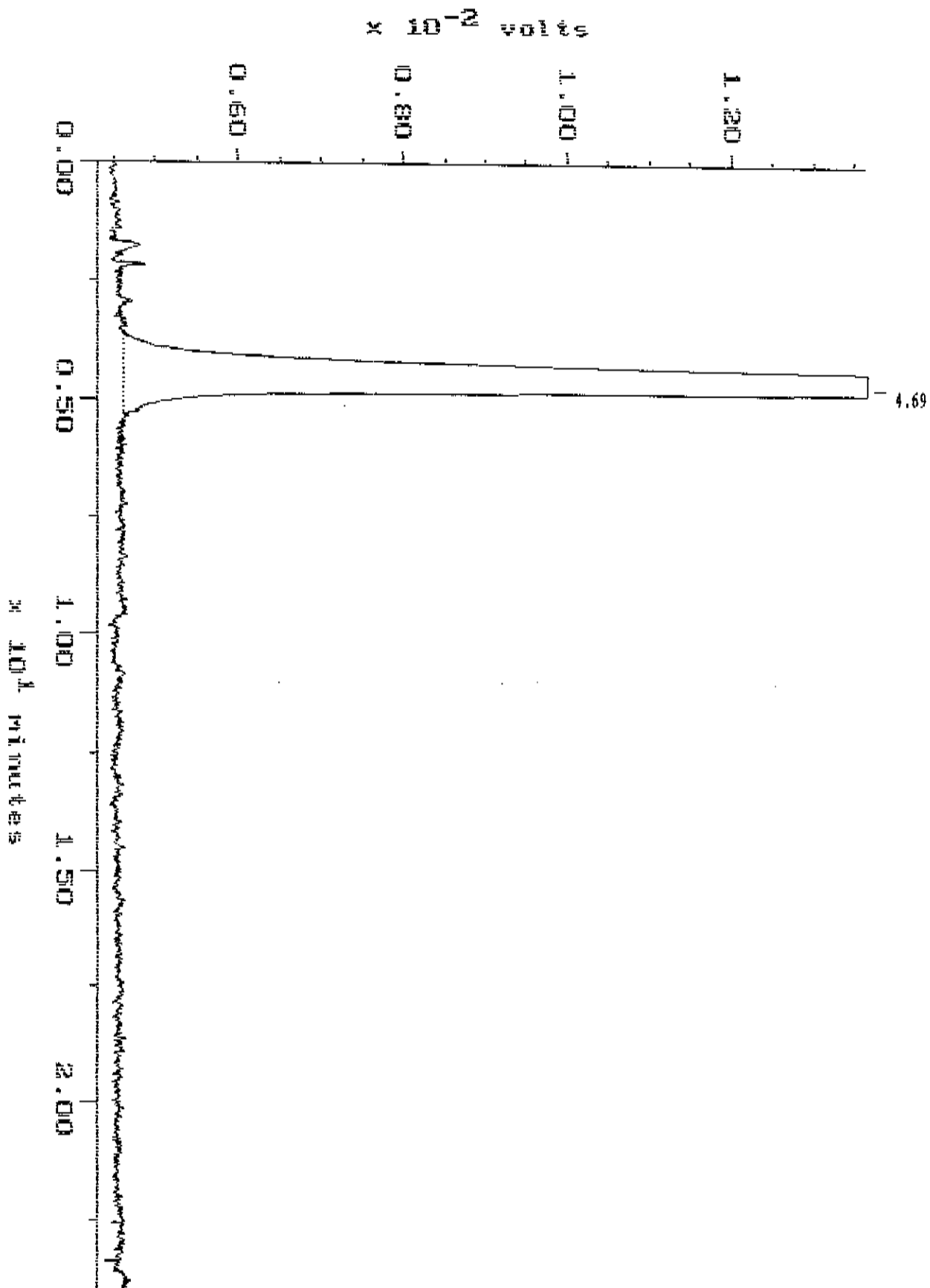
PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
---	---	-----	-----	-----	-----
1			4.692	628821	
TOTAL				628821	0.0000

DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
---	---	-----	-----	-----	-----
1			4.750	4173393	
2			9.367	771	
3			10.008	3010	
TOTAL				4177174	0.0000

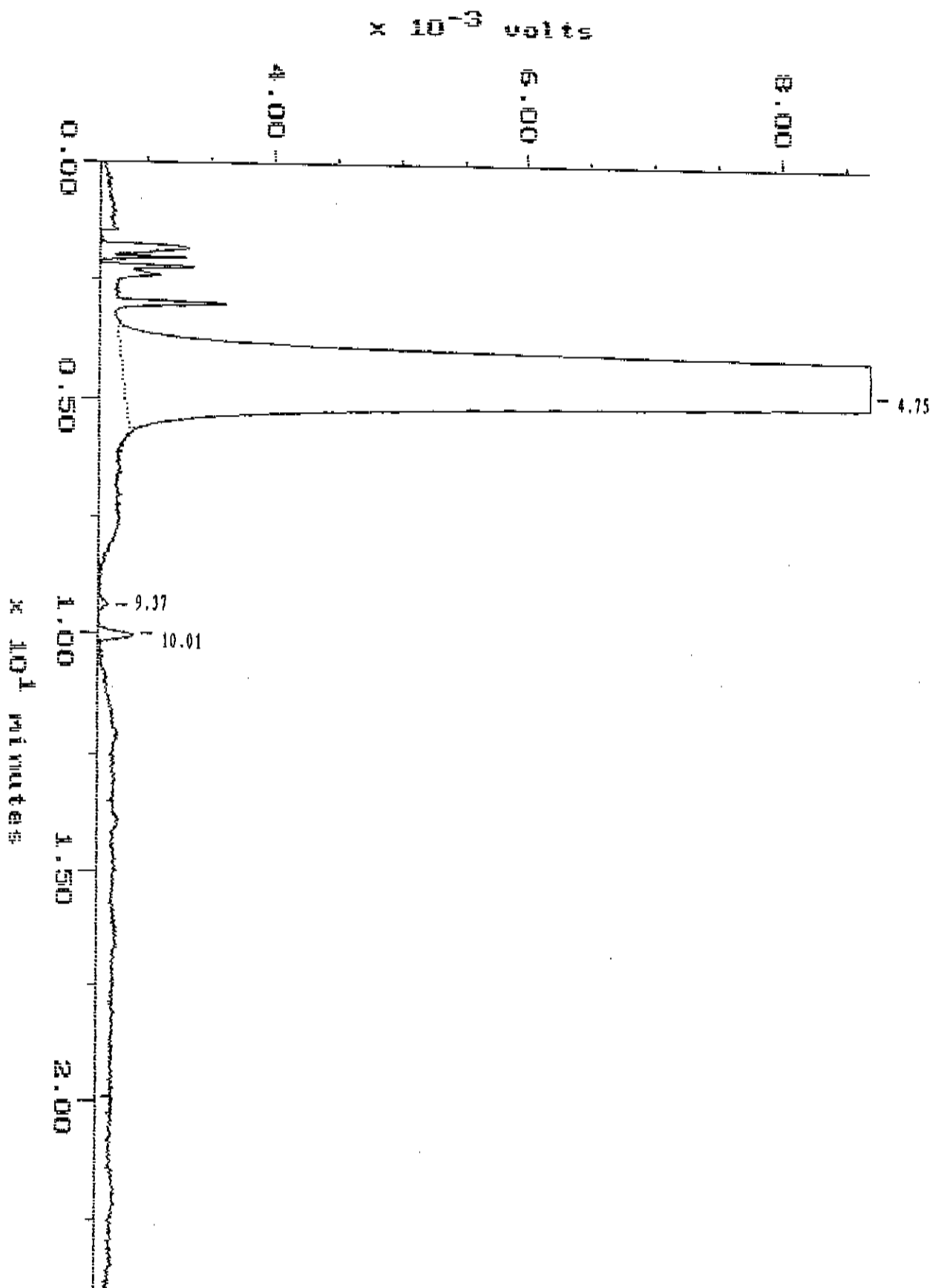
Sample: 707848-MB Channel: UV #1 365  
Acquired: 06-NOV-108 15:25 Method: C:\MAX\DATA\HYD-640

Filename: N0080610  
Operator: JS



Sample: 707848-WB Channel: \*UV #2 322  
Acquired: 06-NOV-108 15:25 Method: C:\MAX\DATA1\HYD-640

Filename: N0080610  
Operator: JS



**BASELINE 810 CUSTOM REPORT**

Printed: 10-NOV-2008 11:38:05

SAMPLE: 979607

#11 in Method: EPA8315M,ODS COL,SHIMADZU LC/UV  
 Acquired: 6-NOV-2008 15:51  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

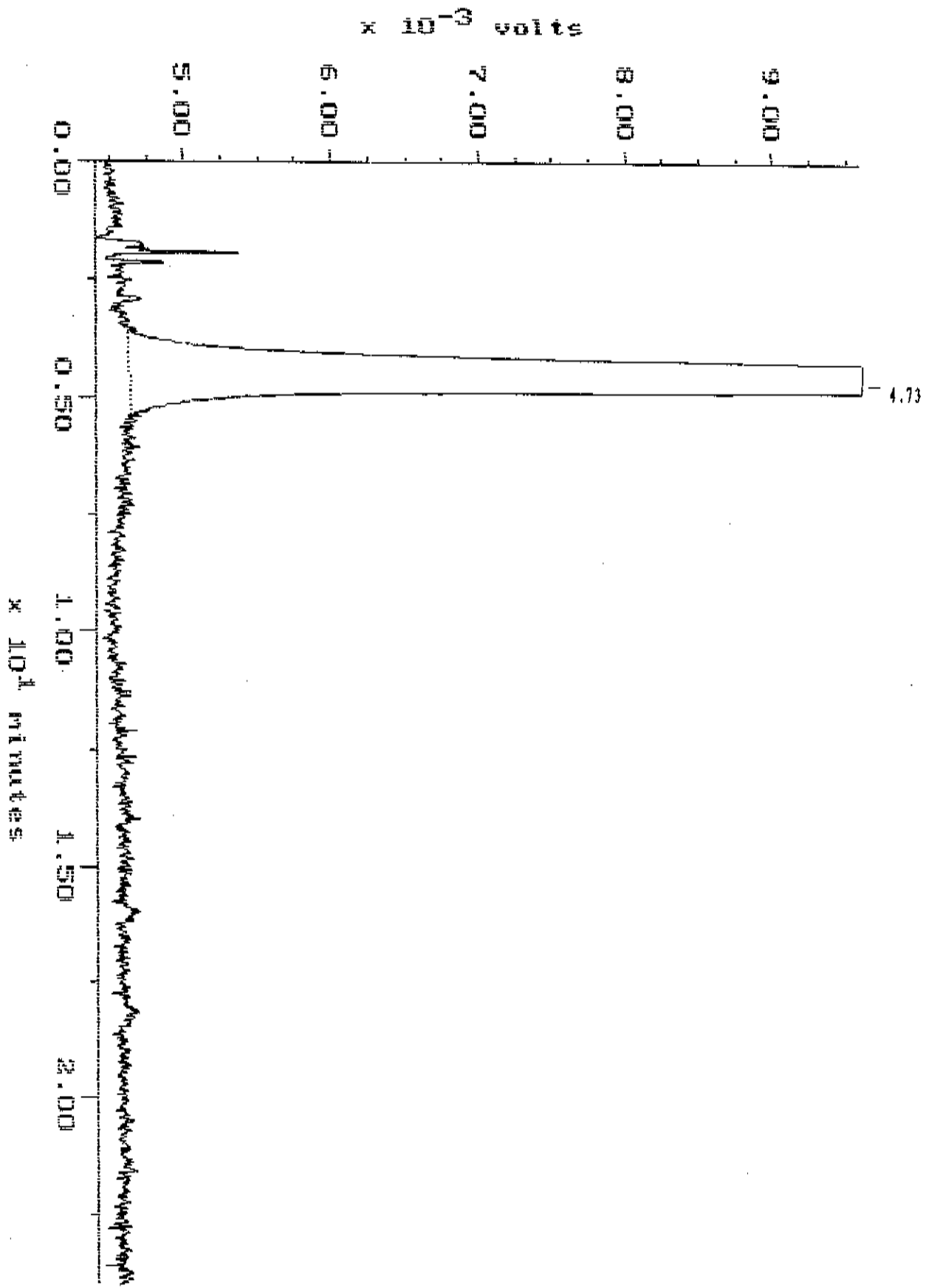
Type: UNKN  
 Instrument: Shimadzu 6A  
 Filename: N0080611  
 Index: 11

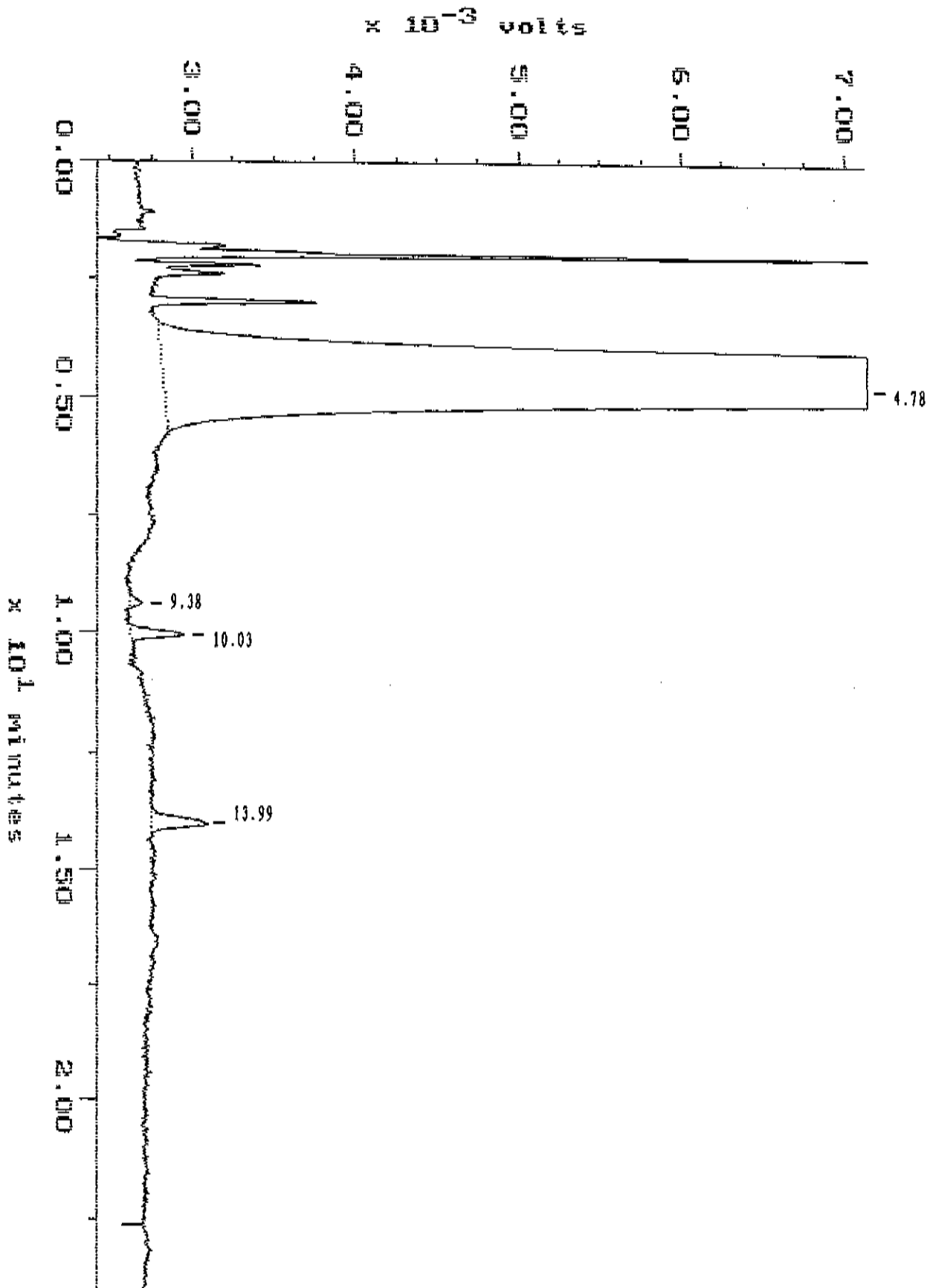
DETECTOR: UV #1 365

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
---	---	-----	-----	-----	-----
1			4.725	694494	
TOTAL				694494	0.0000

DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
---	---	-----	-----	-----	-----
1			4.783	4604370	
2			9.375	860	
3			10.025	3478	
4			13.992	4722	
TOTAL				4613630	0.0000





## BASELINE 810 CUSTOM REPORT

Printed: 10-NOV-2008 11:38:48

SAMPLE: 979607 MS

#12 in Method: EPA8315M,QDS COL,SHIMADZU LC/UV  
 Acquired: 6-NOV-2008 16:16  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

Type: UNKN  
 Instrument: Shimadzu 6A  
 Filename: N0080612  
 Index: 12

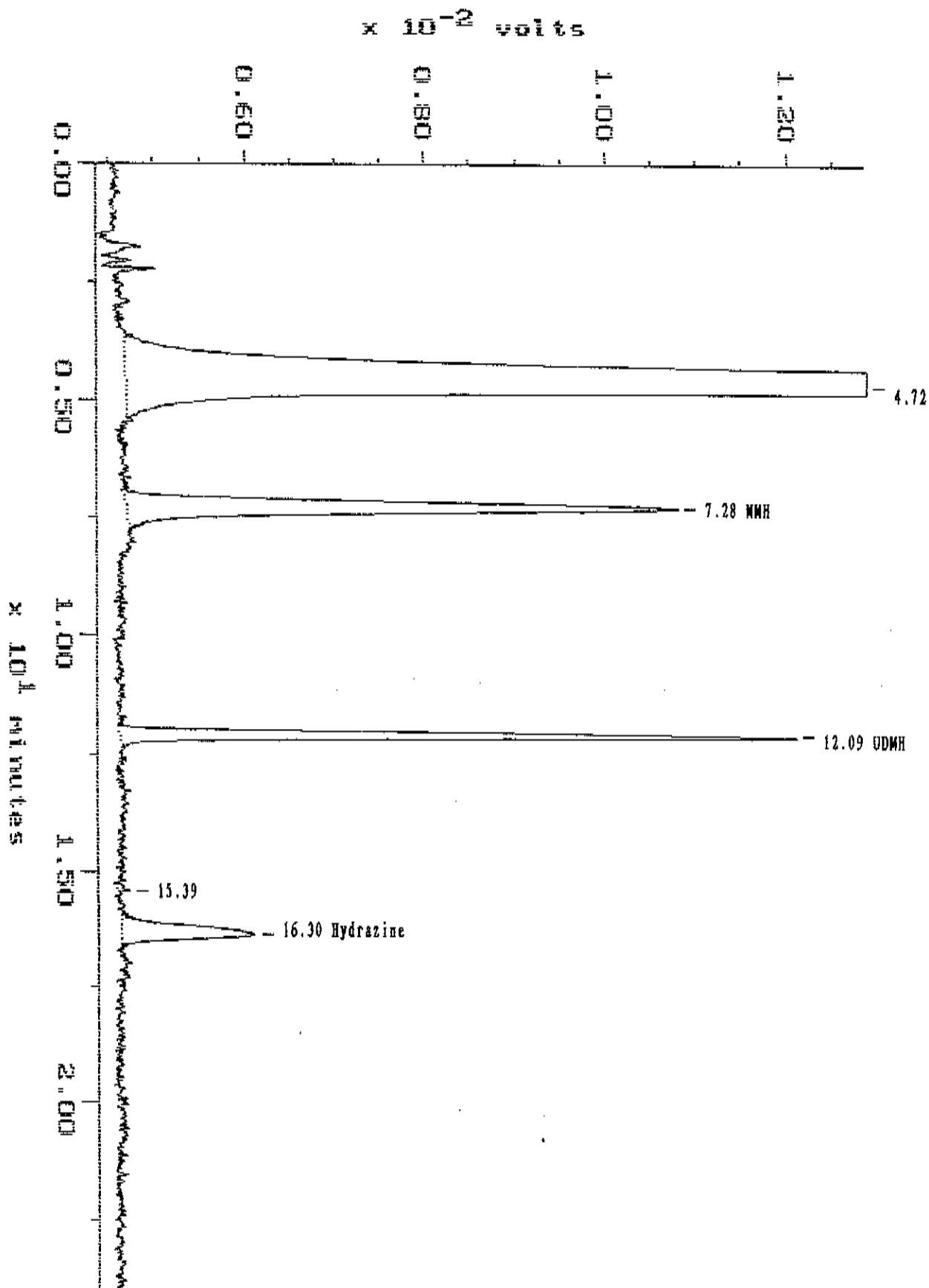
DETECTOR: UV #1 365

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.717	647291	
2	1	MNH	7.283	99274	49.8508
3	3	UDMH	12.092	70358	50.5696
4			15.392	696	
5	5	Hydrazine	16.300	26212	9.6691
TOTAL				843831	110.0896

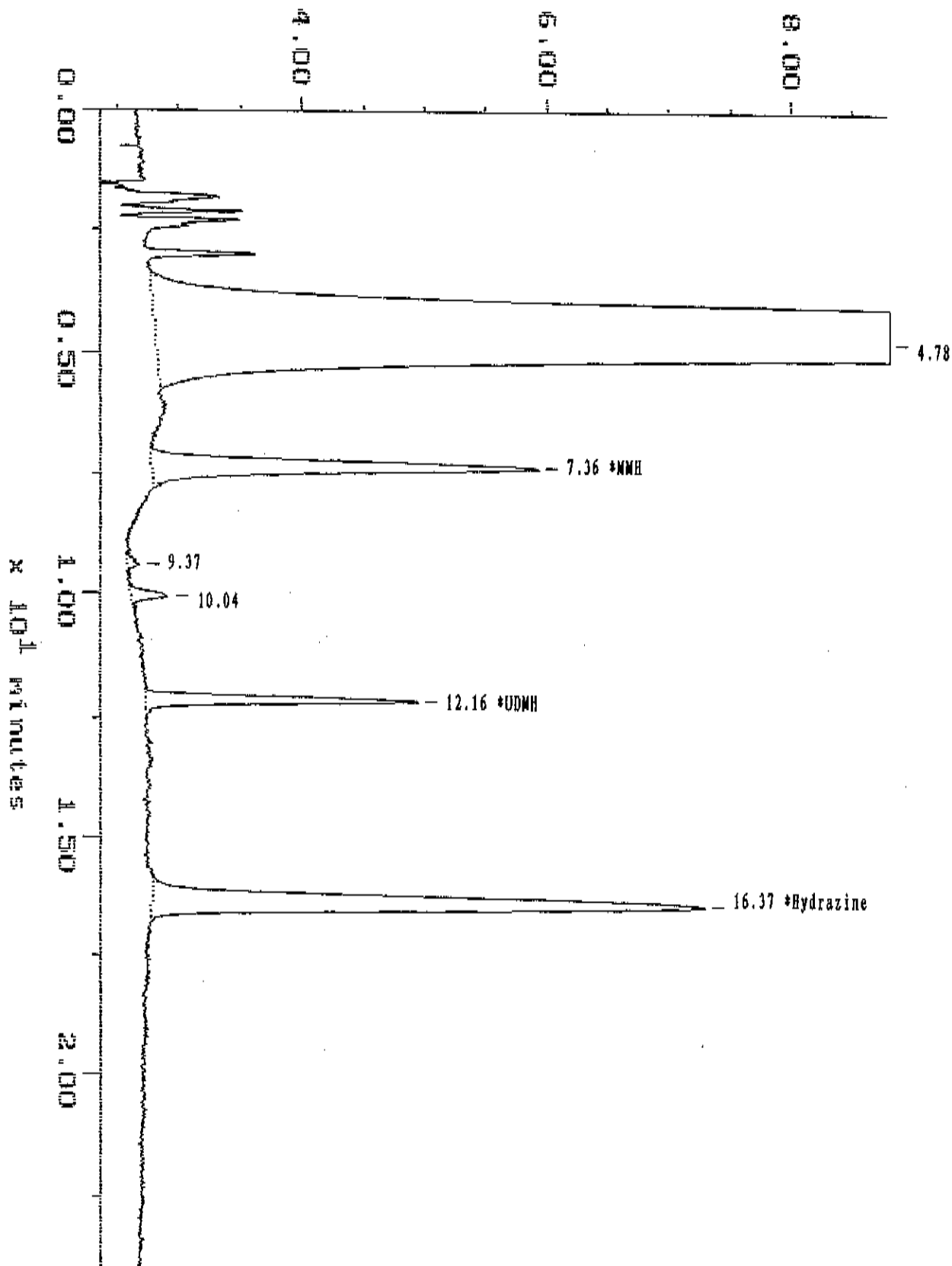
DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.775	4302055	
2	2	*MNH	7.358	51291	49.1756
3			9.367	829	
4			10.042	3159	
5	4	*UDMH	12.158	21301	49.7828
6	6	*Hydrazine	16.367	84223	9.1921
TOTAL				4462858	108.1505





$\times 10^{-3}$  volts



## BASELINE 810 CUSTOM REPORT

Printed: 10-NOV-2008 11:39:32

SAMPLE: 979607 MSD

#13 in Method: BPA8315W, ODS COL, SHIMADZU LC/UV  
 Acquired: 6-NOV-2008 16:41  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

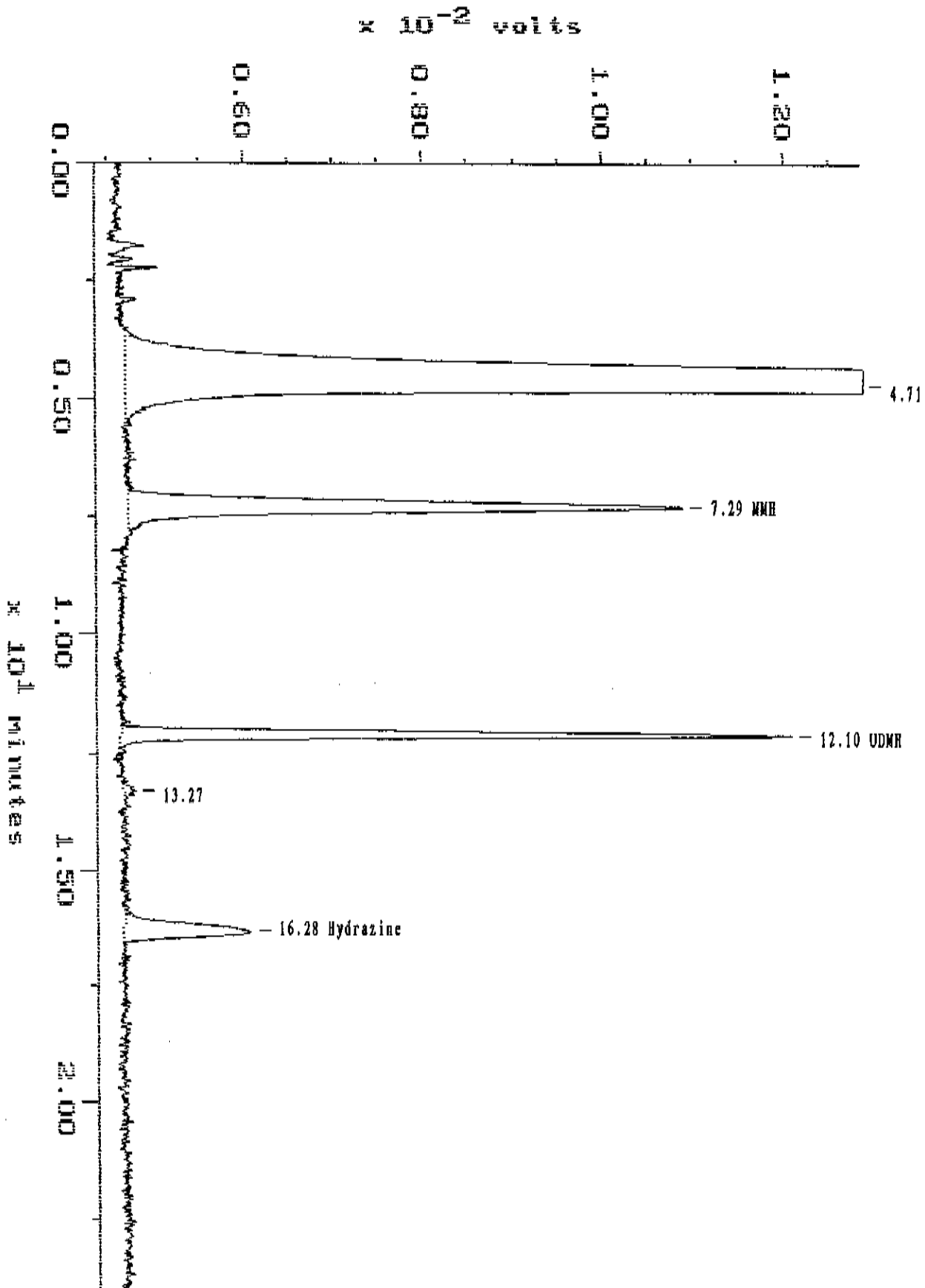
Type: UNKN  
 Instrument: Shimadzu 6A  
 Filename: NO080613  
 Index: 13

DETECTOR: UV #1 365

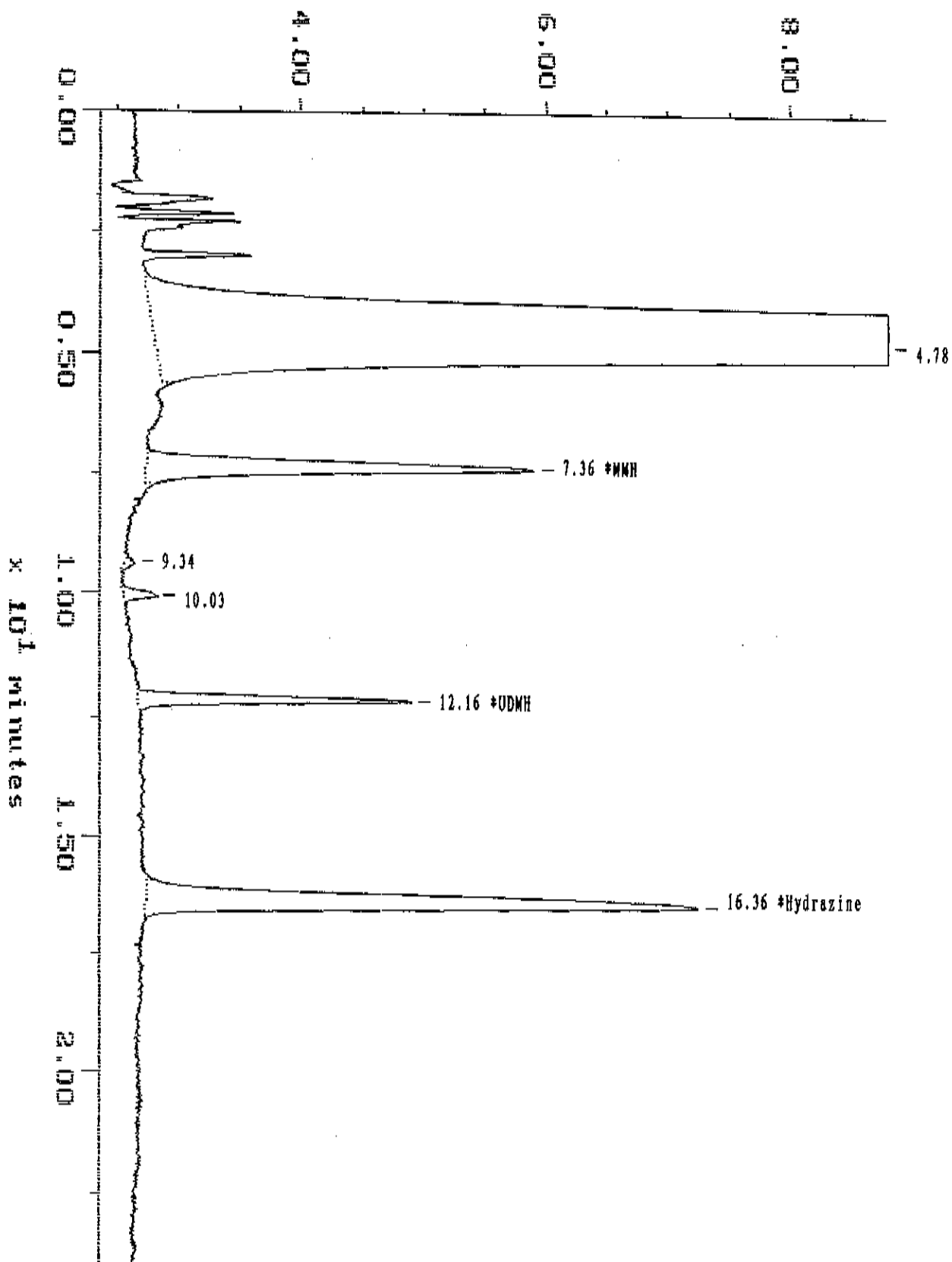
PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.708	647886	
2	1	MMH	7.292	100401	50.4168
3	3	UDMH	12.100	69397	49.8791
4			13.267	1105	
5	5	Hydrazine	16.283	25837	9.5306
TOTAL				844626	109.8264

DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
1			4.775	4297384	
2	2	*MMH	7.358	51751	49.6169
3			9.342	882	
4			10.033	2985	
5	4	*UDMH	12.158	21753	50.8392
6	6	*Hydrazine	16.358	85099	9.2877
TOTAL				4459854	109.7438



$\times 10^{-3}$  volts



**BASELINE 810 CUSTOM REPORT**

Printed: 10-NOV-2008 11:40:16

SAMPLE: 707848-QCS

#14 in Method: EPA8315M,ODS COL,SHIMADZU LC/UV  
 Acquired: 6-NOV-2008 17:07  
 Rate: 2.0 points/sec  
 Duration: 24.000 minutes  
 Operator: JS

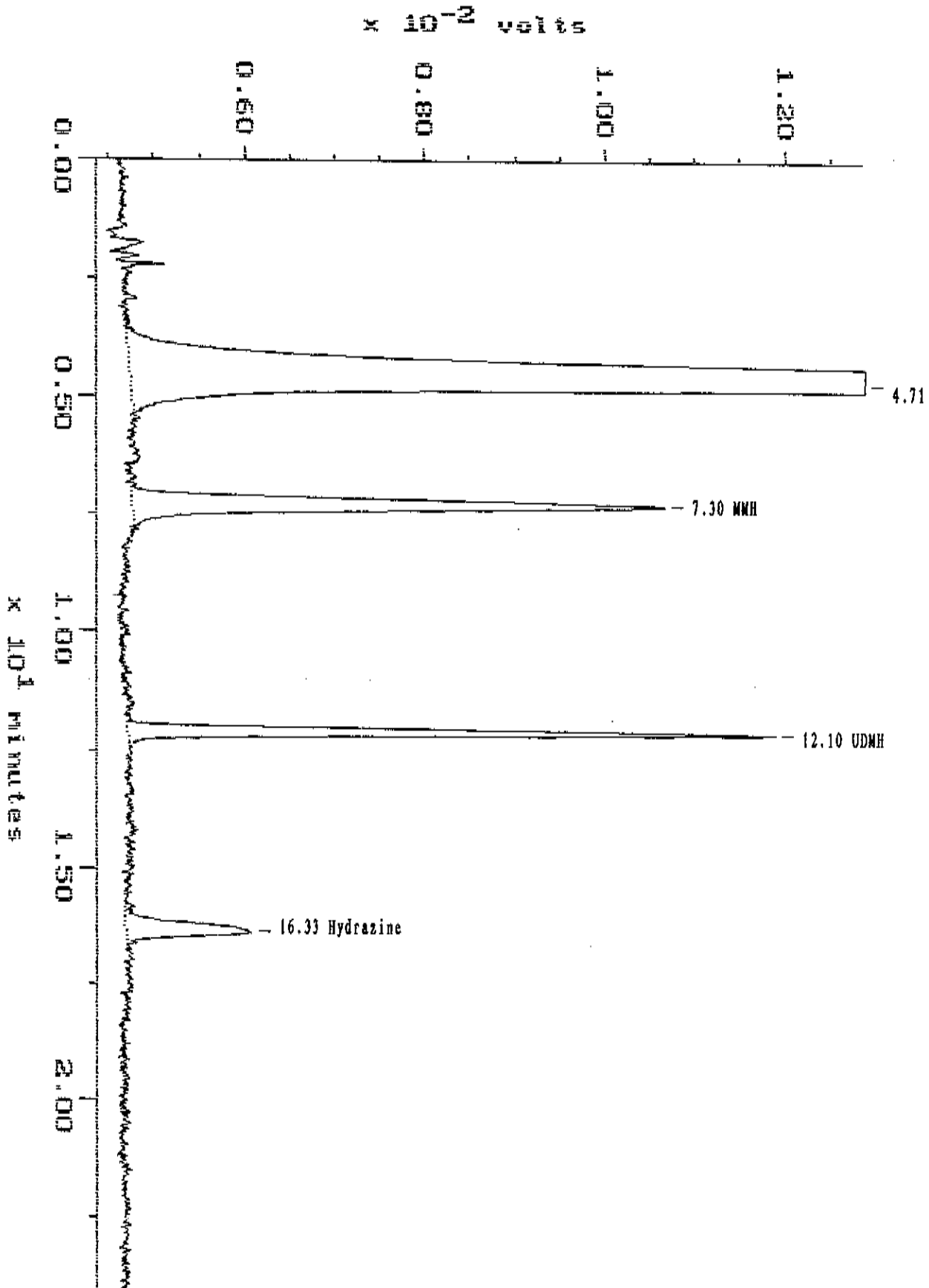
Type: UNKN  
 Instrument: Shimadzu 6A  
 Filename: N0080614  
 Index: 14

DETECTOR: UV #1 365

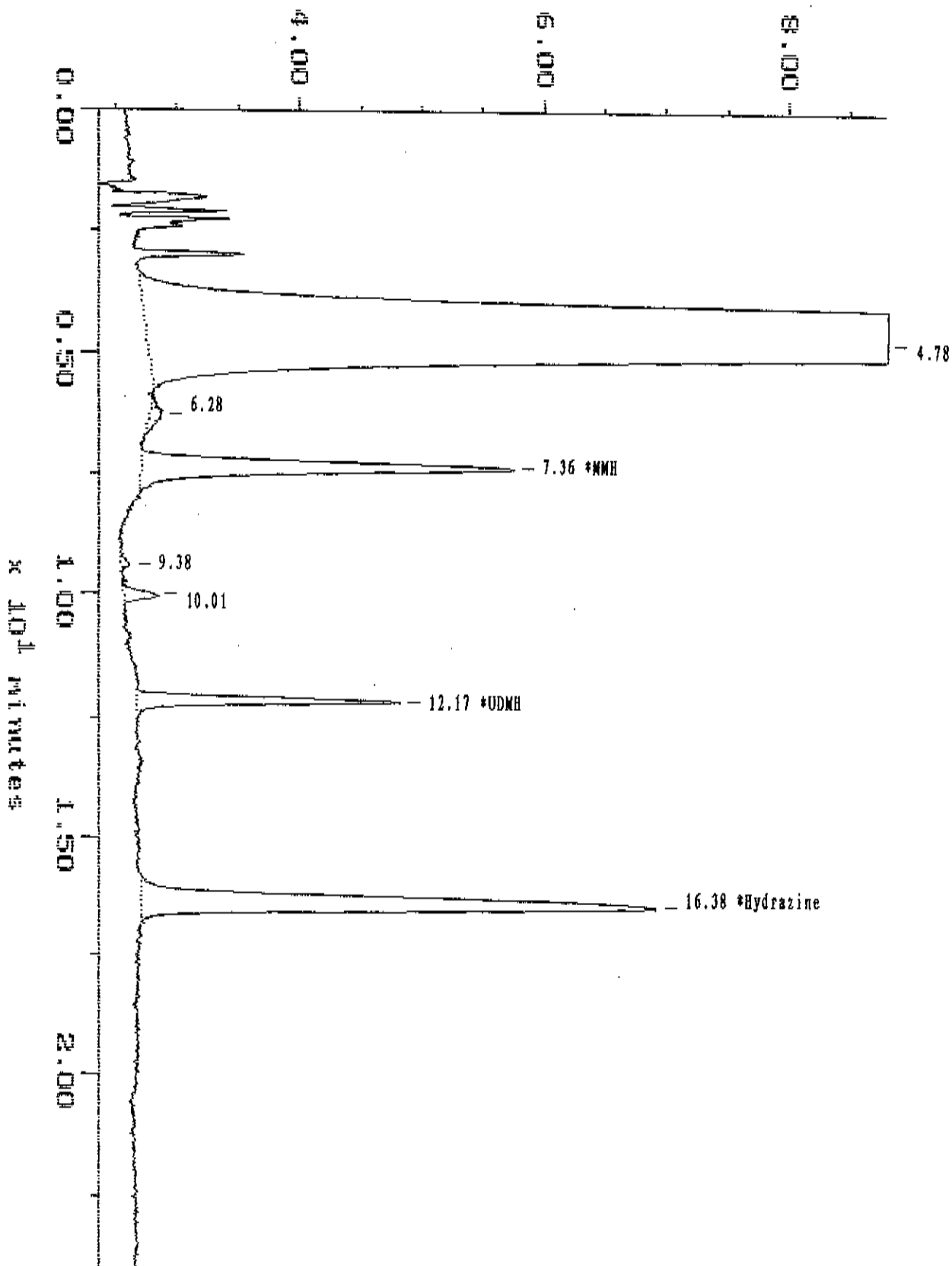
PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
---	---	-----	-----	-----	-----
1			4.708	612940	
2	1	MNH	7.300	92740	46.5698
3	3	UDMH	12.100	67534	48.5402
4	5	Hydrazine	16.333	24968	9.2102
				-----	-----
TOTAL				798183	104.3202

DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
---	---	-----	-----	-----	-----
1			4.775	4079558	
2			6.275	2085	
3	2	*MNH	7.358	49786	47.7323
4			9.383	546	
5			10.008	3262	
6	4	*UDMH	12.167	21093	49.2967
7	6	*Hydrazine	16.383	78795	8.5997
				-----	-----
TOTAL				4235126	105.6286



$\times 10^{-9}$  volts





# BASELINE 810 CUSTOM REPORT

Printed: 10-NOV-2008 11:41:00

SAMPLE: MP BLANK 2

#15 in Method: EPA8315M,ODS COL,SHIMADZU LC/UV  
Acquired: 6-NOV-2008 17:32  
Rate: 2.0 points/sec  
Duration: 24.000 minutes  
Operator: JS

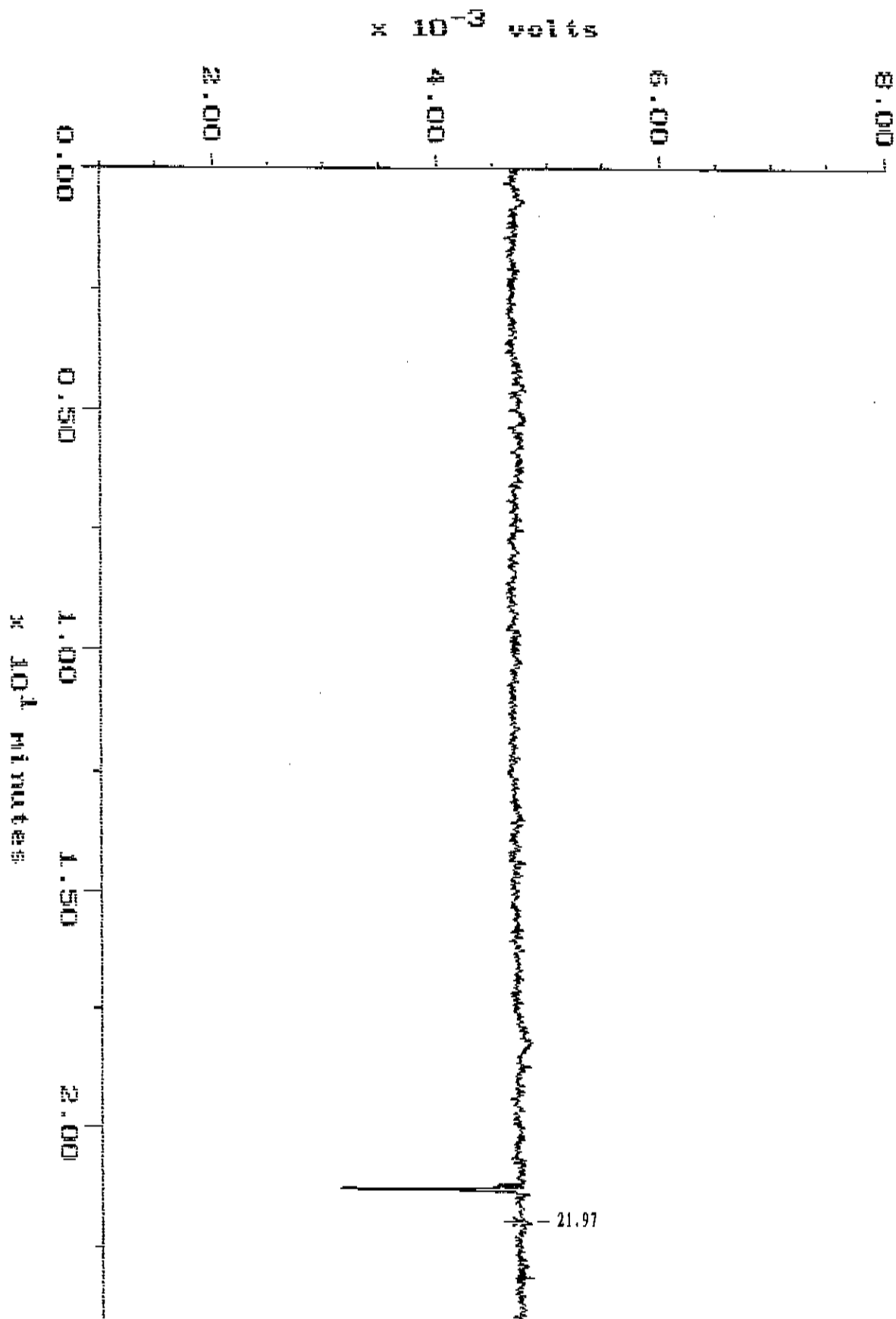
Type: UNKN  
Instrument: Shimadzu 6A  
Filename: N0080615  
Index: 15

DETECTOR: UV #1 365

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
---	---	-----	-----	-----	-----
1			21.967	544	
TOTAL				544	0.0000

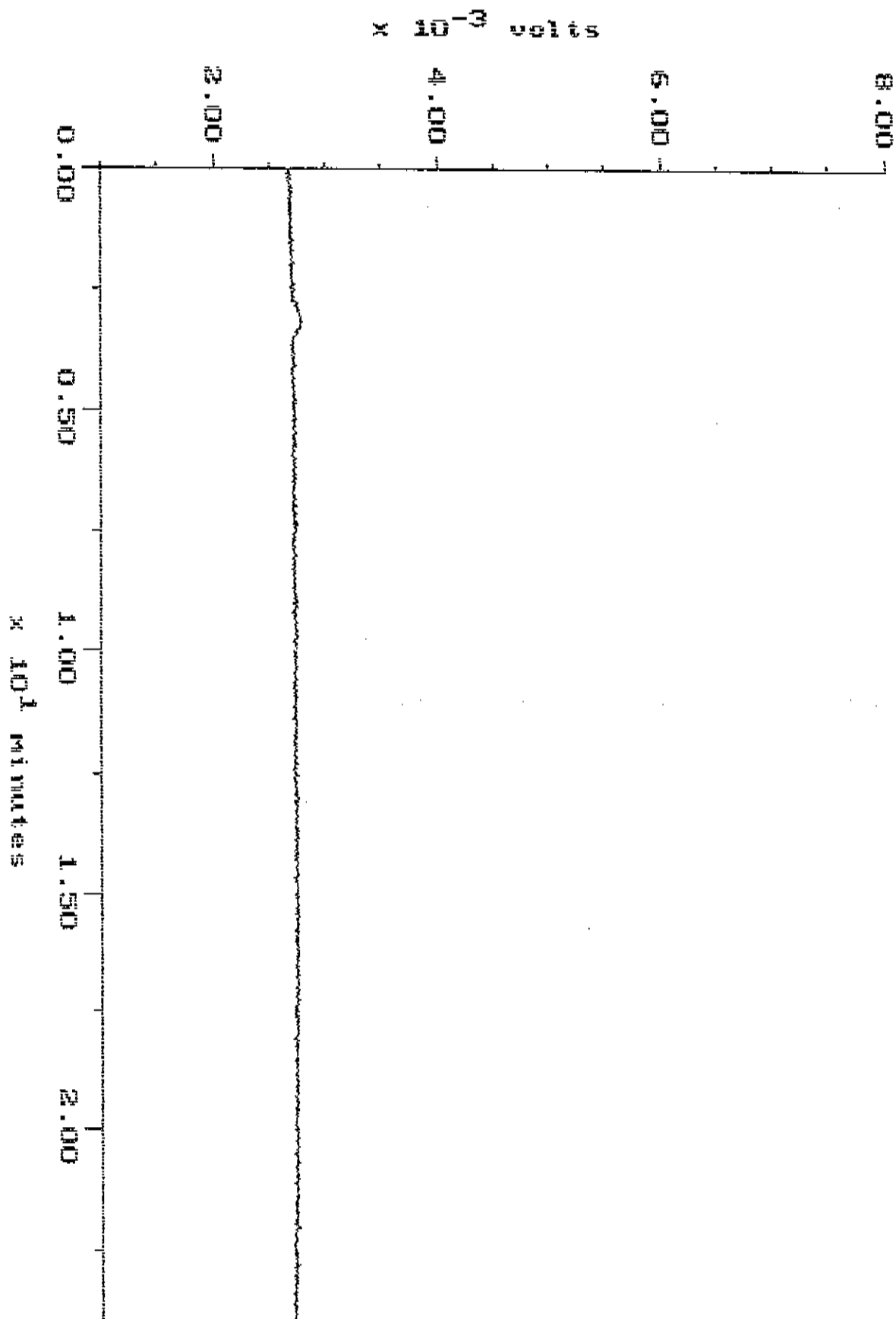
DETECTOR: \*UV #2 322

PK#	ID#	Component Name	Retention Time ( minutes )	Peak Area	Sample Conc. ( ug/L )
---	---	-----	-----	-----	-----
				0	0.0000
TOTAL				0	0.0000



Sample: MP BLANK 2 Channel: \*UV #2 322  
Acquired: 06-NOV-108 17:32 Method: C:\MAX\DATA1\HYD-640

Filename: N0080615  
Operator: JS



## **APPENDIX G**

### **Section 24**

Arroyo Simi – Frontier Park, November 20, 2008

MEC<sup>X</sup> Data Validation Reports



# DATA VALIDATION REPORT

Boeing SSFL NPDES

SAMPLE DELIVERY GROUP: IQK2187

Prepared by

MEC<sup>X</sup>, LP  
12269 East Vassar Drive  
Aurora, CO 80014

## I. INTRODUCTION

Task Order Title: Boeing SSFL NPDES  
Contract Task Order: 1261.100D.001  
Sample Delivery Group: IQK2187  
Project Manager: B. Kelly  
Matrix: Water  
QC Level: IV  
No. of Samples: 1  
No. of Reanalyses/Dilutions: 0  
Laboratory: TestAmerica-Irvine, TestAmerica-Ontario

**Table 1. Sample Identification**

Client ID	Laboratory ID	Sub-Laboratory ID	Matrix	Collected	Method
Arroyo Simi-FP	IQK2187-01	CRK-2104-01	Water	11/20/08 1000	200.7, 525.2

## II. Sample Management

No anomalies were observed regarding sample management. The samples in this SDG were received at the laboratories within the temperature limits of 4°C ±2°C. According to the case narrative for this SDG, the samples were received intact, on ice, and properly preserved, if applicable. The COCs were appropriately signed and dated by field and/or laboratory personnel. As the samples were delivered by courier, custody seals were not required. If necessary, the client ID was added to the sample result summary by the reviewer.

### Data Qualifier Reference Table

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated value is the quantitation limit or the estimated detection limit for dioxins.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit. The associated value is the sample detection limit or the quantitation limit for perchlorate only.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.

### Qualification Code Reference Table

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination as indicated by the preparation (method) blank results.	Presumed contamination as indicated by the preparation (method) or calibration blank results.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination as indicated by the trip blank results.	Not applicable.
+	False positive – reported compound was not present.	Not applicable.
-	False negative – compound was present but not reported.	Not applicable.
F	Presumed contamination as indicated by the FB or ER results.	Presumed contamination as indicated by the FB or ER results.
\$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.



**Qualification Code Reference Table Cont.**

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D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
DNQ	The reported result is above the method detection limit but is less than the reporting limit.	The reported result is above the method detection limit but is less than the reporting limit.
*II, *III	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.	Unusual problems found with the data that have been described in Section II, "Sample Management," or Section III, "Method Analyses." The number following the asterisk (*) will indicate the report section where a description of the problem can be found.

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### III. Method Analyses

#### A. EPA METHOD 200.7—Metals

Reviewed By: E. Wessling

Date Reviewed: December 29, 2008

The sample listed in Table 1 for this analysis were validated based on the guidelines outlined in the *MEC<sup>x</sup> Data Validation Procedure for Metals (DVP-5, Rev. 0 and DVP-21, Rev. 0)*, *EPA Method 200.7*, and the *National Functional Guidelines for Inorganic Data Review (07/02)*.

- Holding Times: Analytical holding times, six months for ICP metals, were met.
- Tuning: As the sample was not analyzed by ICP-MS, the tuning criteria were not applicable.
- Calibration: Calibration criteria were met. All initial and continuing calibration recoveries were within 90-110% for the ICP metals.
- Blanks: Method blanks and CCBs had no applicable detects.
- Interference Check Samples: Recoveries were within the method-established control limits.
- Blank Spikes and Laboratory Control Samples: Recoveries were within laboratory-established QC limits.
- Laboratory Duplicates: No laboratory duplicate analyses were performed.
- Matrix Spike/Matrix Spike Duplicate: A matrix spike was performed on the Arroyo – Simi sample. The recoveries were not evaluated as the native amount of calcium and magnesium in the parent sample was  $\geq 4\times$  the spike concentration. Method accuracy was evaluated based on the LCS results and no qualifications were required.
- Serial Dilution: No serial dilution analyses were performed.
- Internal Standards Performance: As the sample was not analyzed by ICP-MS, the internal standard criteria are not applicable.
- Sample Result Verification: Calculations were verified and the sample results reported on the sample result summary were verified against the raw data. No transcription errors or calculation errors were noted. The laboratory also reported hardness as a result calculated from the calcium and magnesium concentrations.

- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:
  - Field Blanks and Equipment Rinsates: This SDG had no identified field blank or equipment rinsate samples.
  - Field Duplicates: There were no field duplicate samples identified for this SDG.

## B. EPA METHOD 525.2—Semivolatile Organic Compounds (SVOCs)

Reviewed By: P. Meeks

Date Reviewed: January 6, 2009

The sample listed in Table 1 for this analysis was validated based on the guidelines outlined in the *MEC<sup>x</sup> Data Validation Procedure for Semivolatile Organics (DVP-3, Rev. 0)*, *EPA Method 525.2*, and the *National Functional Guidelines for Organic Data Review (10/99)*.

- Holding Times: Extraction and analytical holding times were met. The water sample was extracted within 24 hours of collection and analyzed within 30 days of extraction.
- GC/MS Tuning: The DFTPP tunes met the method abundance criteria. The sample was analyzed within 12 hours of the DFTPP injection time.
- Calibration: Calibration criteria were met. For applicable target compounds, initial calibration average RRFs were  $\geq 0.05$  and %RSDs  $\leq 30\%$ . Continuing calibration RRFs were  $\geq 0.05$  and applicable target compound responses were within the method QC limits of 70-130%.
- Blanks: The method blank had no applicable target compound detects above the MDL.
- Blank Spikes and Laboratory Control Samples: The recovery for diazinon was within laboratory-established QC limits. As chlorpyrifos was not included in the LCS mix, method accuracy could not be evaluated for this compound.
- Surrogate Recovery: Recoveries were within laboratory-established QC limits.
- Matrix Spike/Matrix Spike Duplicate: No MS/MSD analyses were performed on the sample in this SDG. Method accuracy was evaluated based on the LCS result.
- Field QC Samples: Field QC samples were evaluated, and if necessary, qualified based on method blanks and other laboratory QC results affecting the usability of the field QC data. Any remaining detects were used to evaluate the associated site samples. Following are findings associated with field QC samples:

- Field Blanks and Equipment Rinsates: This SDG had no identified field blank or equipment rinsate samples.
- Field Duplicates: There were no field duplicate samples identified for this SDG.
- Internal Standards Performance: The internal standard area counts and retention times were within the method control limits established by the continuing calibration standards of  $\pm 30\%$ .
- Compound Identification: Compound identification was verified. The laboratory analyzed for chlorpyrifos and diazinon by Method 525.2. Review of the sample chromatogram, retention times, and spectra indicated no problems with target compound identification.
- Compound Quantification and Reported Detection Limits: Compound quantification was verified. The reporting limits were supported by the low point of the initial calibration and the laboratory MDLs. Reported nondetects are valid to the reporting limit.
- Tentatively Identified Compounds: TICs were not reported by the laboratory for this analysis.
- System Performance: Review of the raw data indicated no problems with system performance.

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax: (949) 260-3297

MWH-Pasadena/Boeing  
618 Michilinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Bronwyn Kelly

Project ID: Quartely Arroyo Simi-Frontier Park

Report Number: IRK2187

Sampled: 11/20/08  
Received: 11/20/08

## METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IRK2187-01 (Arroyo Simi-FP - Water) - cont.									
Reporting Units: mg/l									
Hardness as CaCO <sub>3</sub>	SM2340B	[CALC]	N/A	0.33	670	1	11/26/08	11/29/08	
Calcium	EPA 200.7	8K26120	0.050	0.10	180	1	11/26/08	11/29/08	MHA
Magnesium	EPA 200.7	8K26120	0.012	0.020	52	1	11/26/08	11/29/08	MHA

TestAmerica Irvine  
Joseph Doak  
Project Manager

*Level IV*

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IRK2187 <Page 4 of 14>

TestAmerica Irvine  
 17461 Derian Avenue, Suite 100  
 Irvine, CA 92614  
 Attention: Joseph Doak

Project ID: N/A Misc.  
 IRK2187  
 Report Number: CRK0845

Sampled: 11/20/08  
 Received: 11/21/08

## ORGANIC COMPOUNDS BY GC/MS (EPA 525.2)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: CRK0845-01 (IRK2187-01 (Arroyo Simi-FP) - Water)</b>								
<b>Reporting Units: ug/l</b>								
Chlorpyrifos	EPA 525.2	C8K2104	5.0	ND	5	11/21/2008	11/21/2008	RL1
Diazinon	EPA 525.2	C8K2104	1.2	ND	5	11/21/2008	11/21/2008	
Surrogate: 1,3-Dimethyl-2-nitrobenzene (70-130%)				92 %				
Surrogate: 1,3-Dimethyl-2-nitrobenzene (70-130%)				92 %				
Surrogate: Triphenylphosphate (70-130%)				114 %				
Surrogate: Triphenylphosphate (70-130%)				114 %				
Surrogate: Perylene-d12 (70-130%)				110 %				
Surrogate: Perylene-d12 (70-130%)				110 %				

LEVEL IV

### TestAmerica Ontario

Theresa Tyrrell  
 Project Manager

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## **APPENDIX G**

### **Section 25**

Arroyo Simi – Frontier Park, November 20, 2008

Test America Analytical Laboratory Report

## LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Bronwyn Kelly

Project: Quartely Arroyo Simi-Frontier  
Park

Sampled: 11/20/08  
Received: 11/20/08  
Issued: 12/01/08 15:44

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.*

*This entire report was reviewed and approved for release.*

## SAMPLE CROSS REFERENCE

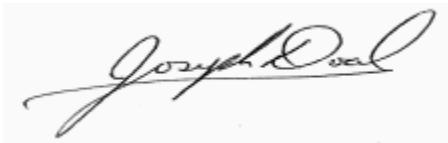
SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

**LABORATORY ID**  
IRK2187-01

**CLIENT ID**  
Arroyo Simi-FP

**MATRIX**  
Water

Reviewed By:



**TestAmerica Irvine**

Joseph Doak  
Project Manager



MWH-Pasadena/Boeing  
 618 Michillinda Avenue, Suite 200  
 Arcadia, CA 91007  
 Attention: Bronwyn Kelly

Project ID: Quartely Arroyo Simi-Frontier Park

Report Number: IRK2187

Sampled: 11/20/08  
 Received: 11/20/08

## ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: IRK2187-01 (Arroyo Simi-FP - Water)</b>									
Reporting Units: ug/l									
4,4'-DDD	EPA 608	8K21005	0.0019	0.0047	ND	0.943	11/21/08	11/22/08	
4,4'-DDE	EPA 608	8K21005	0.0028	0.0047	ND	0.943	11/21/08	11/22/08	
4,4'-DDT	EPA 608	8K21005	0.0038	0.0094	ND	0.943	11/21/08	11/22/08	
Dieldrin	EPA 608	8K21005	0.0019	0.0047	ND	0.943	11/21/08	11/22/08	
Chlordane	EPA 608	8K21005	0.038	0.094	ND	0.943	11/21/08	11/22/08	
Toxaphene	EPA 608	8K21005	N/A	0.094	ND	0.943	11/21/08	11/22/08	
Surrogate: Decachlorobiphenyl (45-120%)					87 %				
Surrogate: Tetrachloro-m-xylene (35-115%)					68 %				

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Joseph Doak  
 Project Manager

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MWH-Pasadena/Boeing  
 618 Michillinda Avenue, Suite 200  
 Arcadia, CA 91007  
 Attention: Bronwyn Kelly

Project ID: Quartely Arroyo Simi-Frontier Park

Report Number: IRK2187

Sampled: 11/20/08  
 Received: 11/20/08

## TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: IRK2187-01 (Arroyo Simi-FP - Water) - cont.</b>									
<b>Reporting Units: ug/l</b>									
Aroclor 1016	EPA 608	8K21005	0.42	0.47	ND	0.943	11/21/08	11/22/08	
Aroclor 1221	EPA 608	8K21005	0.24	0.47	ND	0.943	11/21/08	11/22/08	
Aroclor 1232	EPA 608	8K21005	0.24	0.47	ND	0.943	11/21/08	11/22/08	
Aroclor 1242	EPA 608	8K21005	0.24	0.47	ND	0.943	11/21/08	11/22/08	
Aroclor 1248	EPA 608	8K21005	0.24	0.47	ND	0.943	11/21/08	11/22/08	
Aroclor 1254	EPA 608	8K21005	0.24	0.47	ND	0.943	11/21/08	11/22/08	
Aroclor 1260	EPA 608	8K21005	0.28	0.47	ND	0.943	11/21/08	11/22/08	
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>					76 %				

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 Project Manager

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618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Bronwyn Kelly

Project ID: Quartely Arroyo Simi-Frontier Park

Report Number: IRK2187

Sampled: 11/20/08

Received: 11/20/08

## METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: IRK2187-01 (Arroyo Simi-FP - Water) - cont.</b>									
Reporting Units: mg/l									
Hardness as CaCO3	SM2340B	[CALC]	N/A	0.33	<b>670</b>	1	11/26/08	11/29/08	
Calcium	EPA 200.7	8K26120	0.050	0.10	<b>180</b>	1	11/26/08	11/29/08	MHA
Magnesium	EPA 200.7	8K26120	0.012	0.020	<b>52</b>	1	11/26/08	11/29/08	MHA

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 Arcadia, CA 91007  
 Attention: Bronwyn Kelly

Project ID: Quartely Arroyo Simi-Frontier Park

Report Number: IRK2187

Sampled: 11/20/08  
 Received: 11/20/08

## ORGANIC COMPOUNDS BY GC/MS (EPA 525.2)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: IRK2187-01 (Arroyo Simi-FP - Water) - cont.</b>									<b>RL1</b>
<b>Reporting Units: ug/l</b>									
Chlorpyrifos	EPA 525.2	C8K2104	0.52	5.0	ND	5	11/21/08	11/21/08	
Diazinon	EPA 525.2	C8K2104	1.2	1.2	ND	5	11/21/08	11/21/08	
<i>Surrogate: 1,3-Dimethyl-2-nitrobenzene (70-130%)</i>					92 %				
<i>Surrogate: 1,3-Dimethyl-2-nitrobenzene (70-130%)</i>					92 %				
<i>Surrogate: Triphenylphosphate (70-130%)</i>					114 %				
<i>Surrogate: Triphenylphosphate (70-130%)</i>					114 %				
<i>Surrogate: Perylene-d12 (70-130%)</i>					110 %				
<i>Surrogate: Perylene-d12 (70-130%)</i>					110 %				

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 Project Manager

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**IRK2187 <Page 5 of 14>**

MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Bronwyn Kelly

Project ID: Quartely Arroyo Simi-Frontier Park

Report Number: IRK2187

Sampled: 11/20/08

Received: 11/20/08

## SHORT HOLD TIME DETAIL REPORT

	<b>Hold Time (in days)</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>	<b>Date/Time Extracted</b>	<b>Date/Time Analyzed</b>
<b>Sample ID: Arroyo Simi-FP (IRK2187-01) - Water</b> EPA 525.2	1	11/20/2008 10:00	11/20/2008 19:30	11/21/2008 08:51	11/21/2008 14:41

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**IRK2187 <Page 6 of 14>**

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 Arcadia, CA 91007  
 Attention: Bronwyn Kelly

Project ID: Quartely Arroyo Simi-Frontier Park

Report Number: IRK2187

Sampled: 11/20/08  
 Received: 11/20/08

## METHOD BLANK/QC DATA

### ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 8K21005 Extracted: 11/21/08</b>											
<b>Blank Analyzed: 11/21/2008 (8K21005-BLK1)</b>											
4,4'-DDD	ND	0.0050	0.0020	ug/l							
4,4'-DDE	ND	0.0050	0.0030	ug/l							
4,4'-DDT	ND	0.010	0.0040	ug/l							
Dieldrin	ND	0.0050	0.0020	ug/l							
Chlordane	ND	0.10	0.040	ug/l							
Toxaphene	ND	0.10	N/A	ug/l							
Surrogate: Decachlorobiphenyl	0.428			ug/l	0.500		86	45-120			
Surrogate: Tetrachloro-m-xylene	0.333			ug/l	0.500		67	35-115			
<b>LCS Analyzed: 11/21/2008 (8K21005-BS1)</b>											
4,4'-DDD	0.487	0.0050	0.0020	ug/l	0.500		97	55-120			MNR1
4,4'-DDE	0.446	0.0050	0.0030	ug/l	0.500		89	50-120			
4,4'-DDT	0.452	0.010	0.0040	ug/l	0.500		90	55-120			
Dieldrin	0.463	0.0050	0.0020	ug/l	0.500		93	55-115			
Surrogate: Decachlorobiphenyl	0.460			ug/l	0.500		92	45-120			
Surrogate: Tetrachloro-m-xylene	0.405			ug/l	0.500		81	35-115			
<b>LCS Dup Analyzed: 11/21/2008 (8K21005-BSD1)</b>											
4,4'-DDD	0.438	0.0050	0.0020	ug/l	0.500		88	55-120	11	30	
4,4'-DDE	0.393	0.0050	0.0030	ug/l	0.500		79	50-120	13	30	
4,4'-DDT	0.406	0.010	0.0040	ug/l	0.500		81	55-120	11	30	
Dieldrin	0.406	0.0050	0.0020	ug/l	0.500		81	55-115	13	30	
Surrogate: Decachlorobiphenyl	0.429			ug/l	0.500		86	45-120			
Surrogate: Tetrachloro-m-xylene	0.320			ug/l	0.500		64	35-115			

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Joseph Doak  
 Project Manager

MWH-Pasadena/Boeing  
 618 Michillinda Avenue, Suite 200  
 Arcadia, CA 91007  
 Attention: Bronwyn Kelly

Project ID: Quartely Arroyo Simi-Frontier Park  
 Report Number: IRK2187

Sampled: 11/20/08  
 Received: 11/20/08

## METHOD BLANK/QC DATA

### TOTAL PCBS (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 8K21005 Extracted: 11/21/08</b>											
<b>Blank Analyzed: 11/22/2008 (8K21005-BLK1)</b>											
Aroclor 1016	ND	0.50	0.45	ug/l							
Aroclor 1221	ND	0.50	0.25	ug/l							
Aroclor 1232	ND	0.50	0.25	ug/l							
Aroclor 1242	ND	0.50	0.25	ug/l							
Aroclor 1248	ND	0.50	0.25	ug/l							
Aroclor 1254	ND	0.50	0.25	ug/l							
Aroclor 1260	ND	0.50	0.30	ug/l							
Surrogate: Decachlorobiphenyl	0.322			ug/l	0.500		64	45-120			
<b>LCS Analyzed: 11/22/2008 (8K21005-BS2)</b>											
Aroclor 1016	3.37	0.50	0.45	ug/l	4.00		84	50-115			MNR1
Aroclor 1260	3.38	0.50	0.30	ug/l	4.00		85	60-120			
Surrogate: Decachlorobiphenyl	0.373			ug/l	0.500		75	45-120			
<b>LCS Dup Analyzed: 11/22/2008 (8K21005-BSD2)</b>											
Aroclor 1016	3.41	0.50	0.45	ug/l	4.00		85	50-115	1	30	
Aroclor 1260	3.57	0.50	0.30	ug/l	4.00		89	60-120	5	25	
Surrogate: Decachlorobiphenyl	0.395			ug/l	0.500		79	45-120			

TestAmerica Irvine

Joseph Doak  
 Project Manager

MWH-Pasadena/Boeing  
 618 Michillinda Avenue, Suite 200  
 Arcadia, CA 91007  
 Attention: Bronwyn Kelly

Project ID: Quartely Arroyo Simi-Frontier Park  
 Report Number: IRK2187

Sampled: 11/20/08  
 Received: 11/20/08

## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 8K26120 Extracted: 11/26/08</b>											
<b>Blank Analyzed: 11/29/2008 (8K26120-BLK1)</b>											
Calcium	ND	0.10	0.050	mg/l							
Magnesium	ND	0.020	0.012	mg/l							
<b>LCS Analyzed: 11/29/2008 (8K26120-BS1)</b>											
Calcium	2.37	0.10	0.050	mg/l	2.50		95	85-115			
Magnesium	2.32	0.020	0.012	mg/l	2.50		93	85-115			
<b>Matrix Spike Analyzed: 11/29/2008 (8K26120-MS1) Source: IRK1896-01</b>											
Calcium	64.0	0.10	0.050	mg/l	2.50	63.1	38	70-130			MHA
Magnesium	16.3	0.020	0.012	mg/l	2.50	14.5	75	70-130			MHA
<b>Matrix Spike Analyzed: 11/29/2008 (8K26120-MS2) Source: IRK2187-01</b>											
Calcium	188	0.10	0.050	mg/l	2.50	183	226	70-130			MHA
Magnesium	55.2	0.020	0.012	mg/l	2.50	51.9	133	70-130			MHA
<b>Matrix Spike Dup Analyzed: 11/29/2008 (8K26120-MSD1) Source: IRK1896-01</b>											
Calcium	64.0	0.10	0.050	mg/l	2.50	63.1	35	70-130	0	20	MHA
Magnesium	16.6	0.020	0.012	mg/l	2.50	14.5	87	70-130	2	20	MHA

TestAmerica Irvine

Joseph Doak  
 Project Manager



MWH-Pasadena/Boeing  
 618 Michillinda Avenue, Suite 200  
 Arcadia, CA 91007  
 Attention: Bronwyn Kelly

Project ID: Quarterly Arroyo Simi-Frontier Park  
 Report Number: IRK2187

Sampled: 11/20/08  
 Received: 11/20/08

## METHOD BLANK/QC DATA

### ORGANIC COMPOUNDS BY GC/MS (EPA 525.2)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Qualifiers
<b>Batch: C8K2104 Extracted: 11/21/08</b>										
<b>Blank Analyzed: 11/21/2008 (C8K2104-BLK1)</b>										
Atrazine	ND	0.50	0.073	ug/l						
Benzo(a)pyrene	ND	0.10	0.019	ug/l						
Diazinon	ND	0.25	0.24	ug/l						
Di(2-ethylhexyl)adipate	ND	5.0	0.26	ug/l						
Di(2-ethylhexyl)phthalate	ND	3.0	0.47	ug/l						
Simazine	ND	1.0	0.060	ug/l						
Thiobencarb	ND	1.0	0.059	ug/l						
Surrogate: 1,3-Dimethyl-2-nitrobenzene	4.60			ug/l	5.00		92	70-130		
Surrogate: 1,3-Dimethyl-2-nitrobenzene	4.60			ug/l	5.00		92	70-130		
Surrogate: Triphenylphosphate	5.18			ug/l	5.00		104	70-130		
Surrogate: Triphenylphosphate	5.18			ug/l	5.00		104	70-130		
Surrogate: Perylene-d12	4.50			ug/l	5.00		90	70-130		
Surrogate: Perylene-d12	4.50			ug/l	5.00		90	70-130		
<b>LCS Analyzed: 11/21/2008 (C8K2104-BS1)</b>										
Atrazine	5.89	0.50	0.073	ug/l	5.00		118	70-130		
Benzo(a)pyrene	6.61	0.10	0.019	ug/l	5.00		132	70-130		L
Diazinon	6.31	0.25	0.24	ug/l	5.00		126	70-130		
Di(2-ethylhexyl)adipate	12.5	5.0	0.26	ug/l	10.0		125	70-130		
Di(2-ethylhexyl)phthalate	13.2	3.0	0.47	ug/l	10.0		132	70-130		L
Simazine	6.01	1.0	0.060	ug/l	5.00		120	70-130		
Thiobencarb	5.78	1.0	0.059	ug/l	5.00		116	70-130		
Surrogate: 1,3-Dimethyl-2-nitrobenzene	4.76			ug/l	5.00		95	70-130		
Surrogate: 1,3-Dimethyl-2-nitrobenzene	4.76			ug/l	5.00		95	70-130		
Surrogate: Triphenylphosphate	5.50			ug/l	5.00		110	70-130		
Surrogate: Triphenylphosphate	5.50			ug/l	5.00		110	70-130		
Surrogate: Perylene-d12	5.35			ug/l	5.00		107	70-130		
Surrogate: Perylene-d12	5.35			ug/l	5.00		107	70-130		

TestAmerica Irvine

Joseph Doak  
 Project Manager

MWH-Pasadena/Boeing  
 618 Michillinda Avenue, Suite 200  
 Arcadia, CA 91007  
 Attention: Bronwyn Kelly

Project ID: Quarterly Arroyo Simi-Frontier Park

Report Number: IRK2187

Sampled: 11/20/08  
 Received: 11/20/08

## METHOD BLANK/QC DATA

### ORGANIC COMPOUNDS BY GC/MS (EPA 525.2)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: C8K2104 Extracted: 11/21/08</b>											
<b>Matrix Spike Analyzed: 11/21/2008 (C8K2104-MS1)</b>						<b>Source: CRK0746-01</b>					
Atrazine	6.19	0.50	0.073	ug/l	5.00	ND	124	70-130			
Benzo(a)pyrene	5.17	0.10	0.019	ug/l	5.00	ND	103	70-130			
Diazinon	2.09	0.25	0.24	ug/l	5.00	ND	42	70-130			M2
Di(2-ethylhexyl)adipate	10.6	5.0	0.26	ug/l	10.0	ND	106	70-130			
Di(2-ethylhexyl)phthalate	11.2	3.0	0.47	ug/l	10.0	ND	112	70-130			
Simazine	5.38	1.0	0.060	ug/l	5.00	ND	108	70-130			
Thiobencarb	6.28	1.0	0.059	ug/l	5.00	ND	126	70-130			
Surrogate: 1,3-Dimethyl-2-nitrobenzene	5.47			ug/l	5.00		109	70-130			
Surrogate: 1,3-Dimethyl-2-nitrobenzene	5.47			ug/l	5.00		109	70-130			
Surrogate: Triphenylphosphate	4.83			ug/l	5.00		97	70-130			
Surrogate: Triphenylphosphate	4.83			ug/l	5.00		97	70-130			
Surrogate: Perylene-d12	4.82			ug/l	5.00		96	70-130			
Surrogate: Perylene-d12	4.82			ug/l	5.00		96	70-130			
<b>Matrix Spike Dup Analyzed: 11/21/2008 (C8K2104-MSD1)</b>						<b>Source: CRK0746-01</b>					
Atrazine	6.39	0.50	0.073	ug/l	5.00	ND	128	70-130	3	30	
Benzo(a)pyrene	5.56	0.10	0.019	ug/l	5.00	ND	111	70-130	7	30	
Diazinon	2.08	0.25	0.24	ug/l	5.00	ND	42	70-130	0	30	M2
Di(2-ethylhexyl)adipate	10.9	5.0	0.26	ug/l	10.0	ND	109	70-130	3	30	
Di(2-ethylhexyl)phthalate	11.2	3.0	0.47	ug/l	10.0	ND	112	70-130	1	30	
Simazine	5.33	1.0	0.060	ug/l	5.00	ND	107	70-130	1	30	
Thiobencarb	6.45	1.0	0.059	ug/l	5.00	ND	129	70-130	3	30	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	5.32			ug/l	5.00		106	70-130			
Surrogate: 1,3-Dimethyl-2-nitrobenzene	5.32			ug/l	5.00		106	70-130			
Surrogate: Triphenylphosphate	5.00			ug/l	5.00		100	70-130			
Surrogate: Triphenylphosphate	5.00			ug/l	5.00		100	70-130			
Surrogate: Perylene-d12	4.67			ug/l	5.00		93	70-130			
Surrogate: Perylene-d12	4.67			ug/l	5.00		93	70-130			

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## Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits appear in bold on this page.

LabNumber	Analysis	Analyte	Units	Result	MRL	Compliance Limit
IRK2187-01	608-PCB-low	Aroclor 1016	ug/l	0	0.47	0.5
IRK2187-01	608-PCB-low	Aroclor 1221	ug/l	0	0.47	0.5
IRK2187-01	608-PCB-low	Aroclor 1232	ug/l	0	0.47	0.5
IRK2187-01	608-PCB-low	Aroclor 1242	ug/l	0	0.47	0.5
IRK2187-01	608-PCB-low	Aroclor 1248	ug/l	0	0.47	0.5
IRK2187-01	608-PCB-low	Aroclor 1254	ug/l	0	0.47	0.5
IRK2187-01	608-PCB-low	Aroclor 1260	ug/l	0	0.47	0.5
IRK2187-01	608-Pesticides (LowRL)	4,4'-DDD	ug/l	0.0016	0.0047	0.005
IRK2187-01	608-Pesticides (LowRL)	4,4'-DDE	ug/l	0	0.0047	0.005
IRK2187-01	608-Pesticides (LowRL)	4,4'-DDT	ug/l	0	0.0094	0.01
IRK2187-01	608-Pesticides (LowRL)	Chlordane	ug/l	0	0.094	0.1
IRK2187-01	608-Pesticides (LowRL)	Dieldrin	ug/l	0.0011	0.0047	0.005
IRK2187-01	608-Pesticides (LowRL)	Toxaphene	ug/l	0	0.094	0.1

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## DATA QUALIFIERS AND DEFINITIONS

- L** Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- MHA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- MNR1** There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
- RL1** Reporting limit raised due to sample matrix effects.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

### TestAmerica Irvine

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Project Manager

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## Certification Summary

### TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 200.7	Water	X	X
EPA 608	Water	X	X
SM2340B	Water	X	X

*Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at [www.testamericainc.com](http://www.testamericainc.com)*

### Subcontracted Laboratories

**TestAmerica - Ontario, CA** *California Cert #1169, Arizona Cert #AZ0062, Nevada Cert #CA-242*

1014 E. Cooley Drive, Suite AB - Colton, CA 92324

Method Performed: EPA 525.2

Samples: IRK2187-01

### TestAmerica Irvine

Joseph Doak  
Project Manager

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