03.14-09/23/96-00885

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

ANALYTICAL DIVISION

Laboratory Analysis

Report(s) #620684 **Volume IV of IV**

Client: OHM Remediation Services Corp.
Eastern Region (Pittsburgh, PA)

Attn: Rick Wolfson
Larry Stearns

Project: 18221N - Yorktown NWS, Yorktown, VA

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Reviewed and Approved by: Joseph A. Hnatow ***Date:*** *September 23, 1996*
Joseph A. Hnatow, Laboratory Manager

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Explosives by HPLC

3C (GC)
SOIL SEMIVOLATILE MATRIX SPIKE RECOVERY

00961

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix Spike - EPA Sample No.: DUP-001 Level: (low/med) ____

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC #	QC LIMITS REC.
HMX	25	0	39	156 *	30-130
RDX	25	0	26	104	30-130
1,3,5-Trinitrobenzene	25	.1	25	100	30-130
1,3-Dinitrobenzene	25	0	28	112	30-130
Tetryl	25	.1	22	87	30-130
Nitrobenzene	76	0	81	107	30-130
2-Amino-4,6-dinitrotolue	76	0	81	107	30-130
2,4,6-Trinitrotoluene	25	0	27	108	30-130
2,6-Dinitrotoluene	25	0	28	112	30-130
2,4-Dinitrotoluene	25	0	28	112	30-130
o-Nitrotoluene	25	0	27	108	30-130
p-Nitrotoluene	25	0	26	104	30-130
m-Nitrotoluene	25	0	27	108	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 1 out of 13 outside limits

COMMENTS: _____

3C (GC)

SOIL SEMIVOLATILE MATRIX SPIKE DUPLICATE RECOVERY

00962

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix Spike - EPA Sample No.: DUP-001 Level: (low/med) ____

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	25	30	120	26 *	20	30-130
RDX	25	25	100	4	20	30-130
1,3,5-Trinitrobenzene	25	24	96	4	20	30-130
1,3-Dinitrobenzene	25	27	108	4	20	30-130
Tetryl	25	22	87	0	20	30-130
Nitrobenzene	75	80	107	.08	20	30-130
2-Amino-4,6-dinitrotolue	75	80	107	.08	20	30-130
2,4,6-Trinitrotoluene	25	26	104	4	20	30-130
2,6-Dinitrotoluene	25	27	108	4	20	30-130
2,4-Dinitrotoluene	25	28	112	0	20	30-130
o-Nitrotoluene	25	27	108	0	20	30-130
p-Nitrotoluene	25	27	108	4	20	30-130
m-Nitrotoluene	25	27	108	0	20	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 13 outside limits
Spike Recovery: 0 out of 13 outside limits

COMMENTS: _____

3C (GC)
SOIL SEMIVOLATILE MATRIX SPIKE RECOVERY

00963

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix Spike - EPA Sample No.: SSA7-W3 Level: (low/med) ____

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC #	QC LIMITS REC.
HMX	19	0	24	126	30-130
RDX	19	0	20	105	30-130
1,3,5-Trinitrobenzene	19	0	19	100	30-130
1,3-Dinitrobenzene	19	0	21	111	30-130
Tetryl	19	0	21	111	30-130
Nitrobenzene	58	0	63	109	30-130
2-Amino-4,6-dinitrotolue	58	0	63	109	30-130
2,4,6-Trinitrotoluene	19	0	20	105	30-130
2,6-Dinitrotoluene	19	0	21	111	30-130
2,4-Dinitrotoluene	19	0	22	116	30-130
o-Nitrotoluene	19	0	21	111	30-130
p-Nitrotoluene	19	0	21	111	30-130
m-Nitrotoluene	19	0	21	111	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 13 outside limits

COMMENTS: _____

3C (GC)

SOIL SEMIVOLATILE MATRIX SPIKE DUPLICATE RECOVERY

00964

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix Spike - EPA Sample No.: SSA7-W3 Level: (low/med) ____

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	20	25	125	1	20	30-130
RDX	20	21	105	.3	20	30-130
1,3,5-Trinitrobenzene	20	19	95	5	20	30-130
1,3-Dinitrobenzene	20	22	110	.5	20	30-130
Tetryl	20	22	110	.5	20	30-130
Nitrobenzene	60	63	105	3	20	30-130
2-Amino-4,6-dinitrotolue	60	63	105	3	20	30-130
2,4,6-Trinitrotoluene	20	21	105	.3	20	30-130
2,6-Dinitrotoluene	20	22	110	.5	20	30-130
2,4-Dinitrotoluene	20	22	110	5	20	30-130
o-Nitrotoluene	20	22	110	.5	20	30-130
p-Nitrotoluene	20	22	110	.5	20	30-130
m-Nitrotoluene	20	22	110	.5	20	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 13 outside limits
Spike Recovery: 0 out of 13 outside limits

COMMENTS: _____

3C (GC)
SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

00965

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix Spike - EPA Sample No.: QSPK01A

COMPOUND	SPIKE ADDED (mg/Kg)	BLANK CONCENTRATION (mg/Kg)	BS CONCENTRATION (mg/Kg)	BS % REC #	QC LIMITS REC.
HMX	20	0	26	130	30-130
RDX	20	0	22	110	30-130
1,3,5-Trinitrobenzene	20	0	20	100	30-130
1,3-Dinitrobenzene	20	0	23	115	30-130
Tetryl	20	0	18	90	30-130
Nitrobenzene	60	0	70	117	30-130
2-Amino-4,6-dinitrotolue	60	0	70	117	30-130
2,4,6-Trinitrotoluene	20	0	21	105	30-130
2,6-Dinitrotoluene	20	0	23	115	30-130
2,4-Dinitrotoluene	20	0	23	115	30-130
o-Nitrotoluene	20	0	22	110	30-130
p-Nitrotoluene	20	0	22	110	30-130
m-Nitrotoluene	20	0	22	110	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 13 outside limits

COMMENTS:

3C (GC)
SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

00966

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix Spike - EPA Sample No.: QSPK01B

COMPOUND	SPIKE ADDED (mg/Kg)	BLANK CONCENTRATION (mg/Kg)	BS CONCENTRATION (mg/Kg)	BS % REC #	QC LIMITS REC.
HMX	20	0	26	130	30-130
RDX	20	0	22	110	30-130
1,3,5-Trinitrobenzene	20	0	21	105	30-130
1,3-Dinitrobenzene	20	0	23	115	30-130
Tetryl	20	0	14	70	30-130
Nitrobenzene	60	0	71	118	30-130
2-Amino-4,6-dinitrotolue	60	0	71	118	30-130
2,4,6-Trinitrotoluene	20	0	22	110	30-130
2,6-Dinitrotoluene	20	0	23	115	30-130
2,4-Dinitrotoluene	20	0	23	115	30-130
o-Nitrotoluene	20	0	22	110	30-130
p-Nitrotoluene	20	0	21	105	30-130
m-Nitrotoluene	20	0	21	105	30-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 13 outside limits

COMMENTS:

4B (GC)
SEMIVOLATILE METHOD BLANK SUMMARY 00967

EPA SAMPLE NO.

QBLK01A

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Lab File ID: U00028 Lab Sample ID: N2Q61323Q

Instrument ID: ~~PE~~ LCU.i Date Extracted: 06/25/96

Matrix: (soil/water) SOIL Date Analyzed: 07/23/96

Level: (low/med) _____ Time Analyzed: 20:42

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SSA7-TF1	JP9901Q	U00037	07/24/96
02	SSA7-TF2	JP9902Q	U00040	07/24/96
03	SSA7-TF3	JP9903Q	U00041	07/24/96
04	SSA7-TF4	JP9904Q	U00042	07/24/96
05	SSA7-TF5	JP9905Q	U00043	07/24/96
06	SSA7-TF6	JP9906Q	U00044	07/24/96
07	SSA7-TF7	JP9907Q	U00045	07/24/96
08	SSA7-W1	JP9908Q	U00046	07/24/96
09	SSA7-W2	JP9909Q	U00047	07/24/96
10	SSA7-W3	JP9910Q	U00048	07/24/96
11	SSA7-W4	JP9911Q	U00049	07/24/96
12	SSA-W5	JP9912Q	U00052	07/24/96
13	SSA7-W6	JP9913Q	U00053	07/24/96
14	SSA7-W7	JP9914Q	U00054	07/24/96
15	SSA7-W8	JP9915Q	U00055	07/24/96
16	SSA7-F3	JP9898Q	U00034	07/24/96
17	SSA7-F4	JP9899Q	U00035	07/24/96
18	SSA7-F5	JP9900Q	U00036	07/24/96
19	SSA7-F1	JP9896Q	U00032	07/23/96
20	SSA7-F2	JP9897Q	U00033	07/23/96
21	SSA7-W3MSD	JP9910QR	U00031	07/23/96
22	QSPK01A	N2Q61323QS	U00029	07/23/96
23	SSA7-W3MS	JP9910QS	U00030	07/23/96

COMMENTS:

4B (GC)
SEMIVOLATILE METHOD BLANK SUMMARY 00968 EPA SAMPLE NO.

QBLK01B

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Lab File ID: U00058 Lab Sample ID: N2Q61324Q

Instrument ID: PLCCU.i Date Extracted: 06/25/96

Matrix: (soil/water) SOIL Date Analyzed: 07/24/96

Level: (low/med) _____ Time Analyzed: 16:17

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	DUP-001	JP9916Q	U00062	07/24/96
02	DUP-002	JP9917Q	U00063	07/24/96
03	DUP-001MSD	JP9916QR	U00061	07/24/96
04	QSPK01B	N2Q61324QS	U00059	07/24/96
05	DUP-001MS	JP9916QS	U00060	07/24/96

COMMENTS:

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

00969 EPA SAMPLE NO.

DUP-001

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9916Q

Sample wt/vol: 2.18 (g/mL) G Lab File ID: U00062

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	110	J
99-65-0	1,3-Dinitrobenzene	600	U
118-96-7	2,4,6-Trinitrotoluene	600	U
121-14-2	2,4-Dinitrotoluene	600	U
606-20-2	2,6-Dinitrotoluene	600	U
2691-41-0	HMX	600	U
98-95-3	Nitrobenzene	600	U
99-99-0	p-Nitrotoluene	600	U
121-82-4	RDX	600	U
99081	m-Nitrotoluene	600	U
88-72-2	o-Nitrotoluene	600	U
479-45-8	Tetryl	130	J

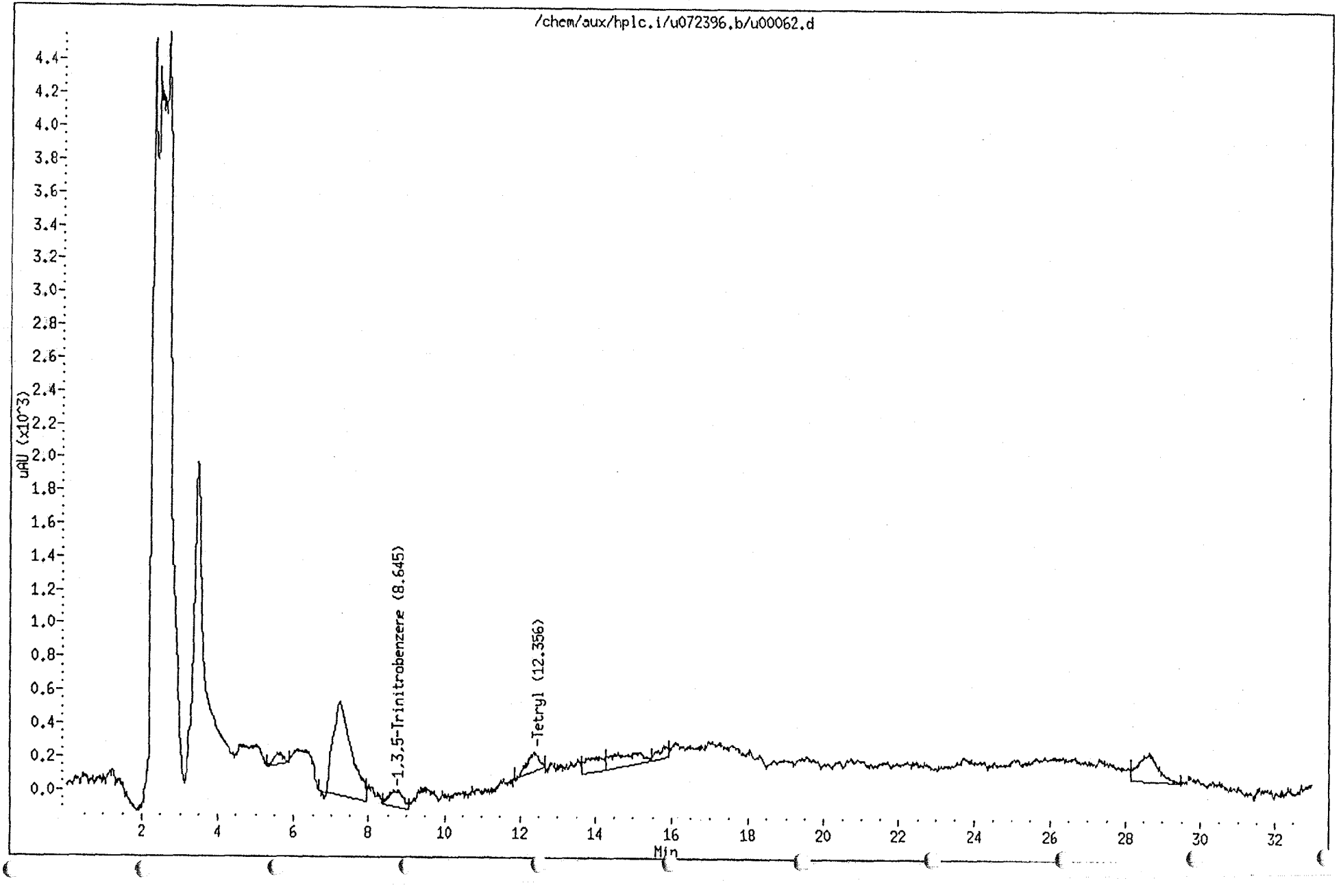
00970

Data File: /chem/aux/hplc.i/u072396.b/u00062.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n dup-001

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00062.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:00 1832
Operator : jk Inst ID: hplc.i
Smp Info : 18221n dup-001
Misc Info : jp9916q,n2q61324,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 08:06 Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JQ 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	Compound Not Detected.					
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	8.645	8.634	0.011	4042	0.009	0.009
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	12.356	12.357	-0.001	3556	0.011	0.011 (M)
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

"J value"
"J value"

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 00972 EPA SAMPLE NO.

DUP-002

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9917Q

Sample wt/vol: 2.31 (g/mL) G Lab File ID: U00063

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 14 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	500	U
99-65-0	1,3-Dinitrobenzene	500	U
118-96-7	2,4,6-Trinitrotoluene	500	U
121-14-2	2,4-Dinitrotoluene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
2691-41-0	HMX	21000	
98-95-3	Nitrobenzene	500	U
99-99-0	p-Nitrotoluene	500	U
121-82-4	RDX	500	U
99081	m-Nitrotoluene	500	U
88-72-2	o-Nitrotoluene	500	U
479-45-8	Tetryl	500	U

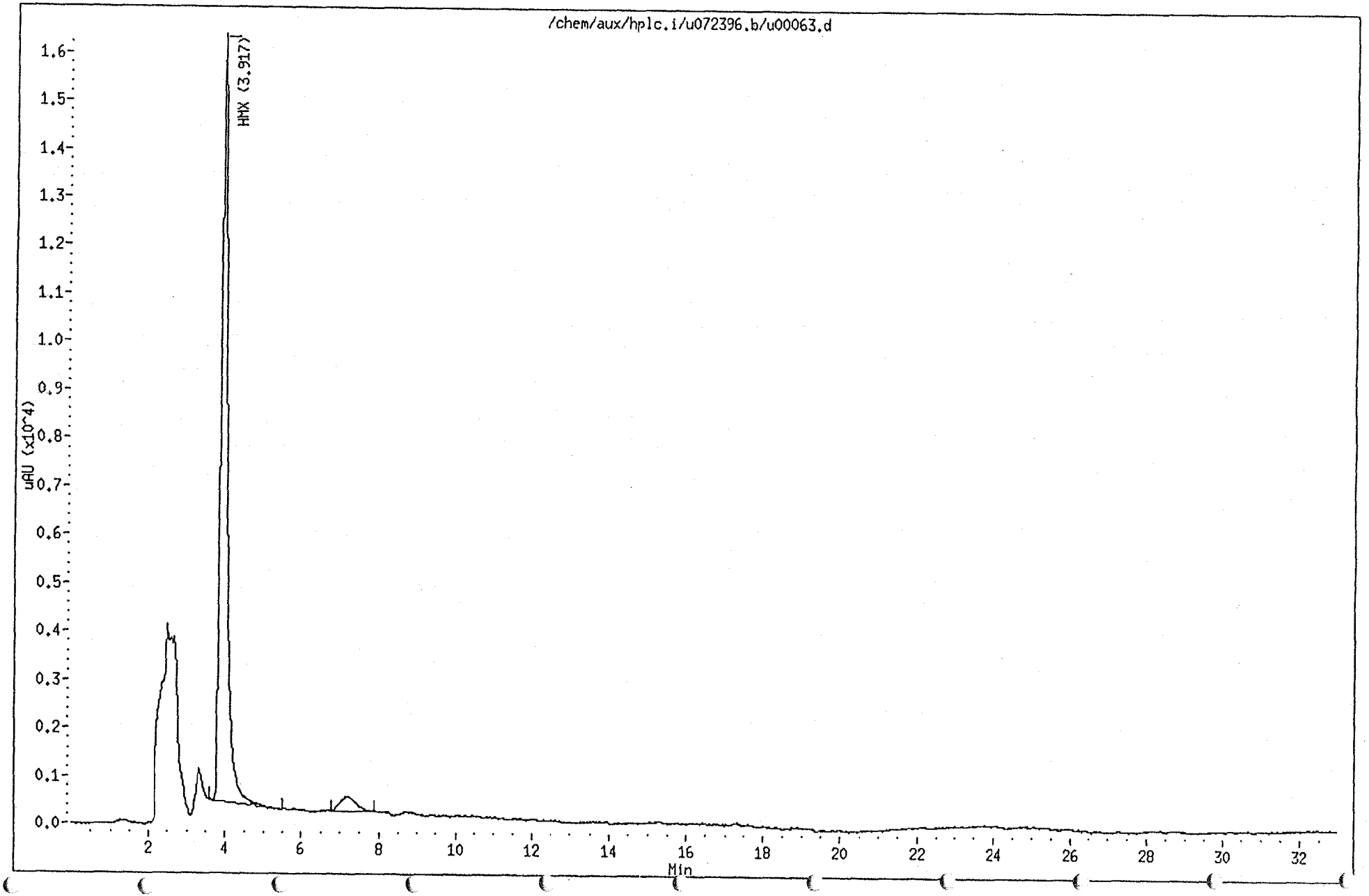
00973

Data File: /chem/aux/hplc.i/u072396.b/u00063.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n dup-002

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00

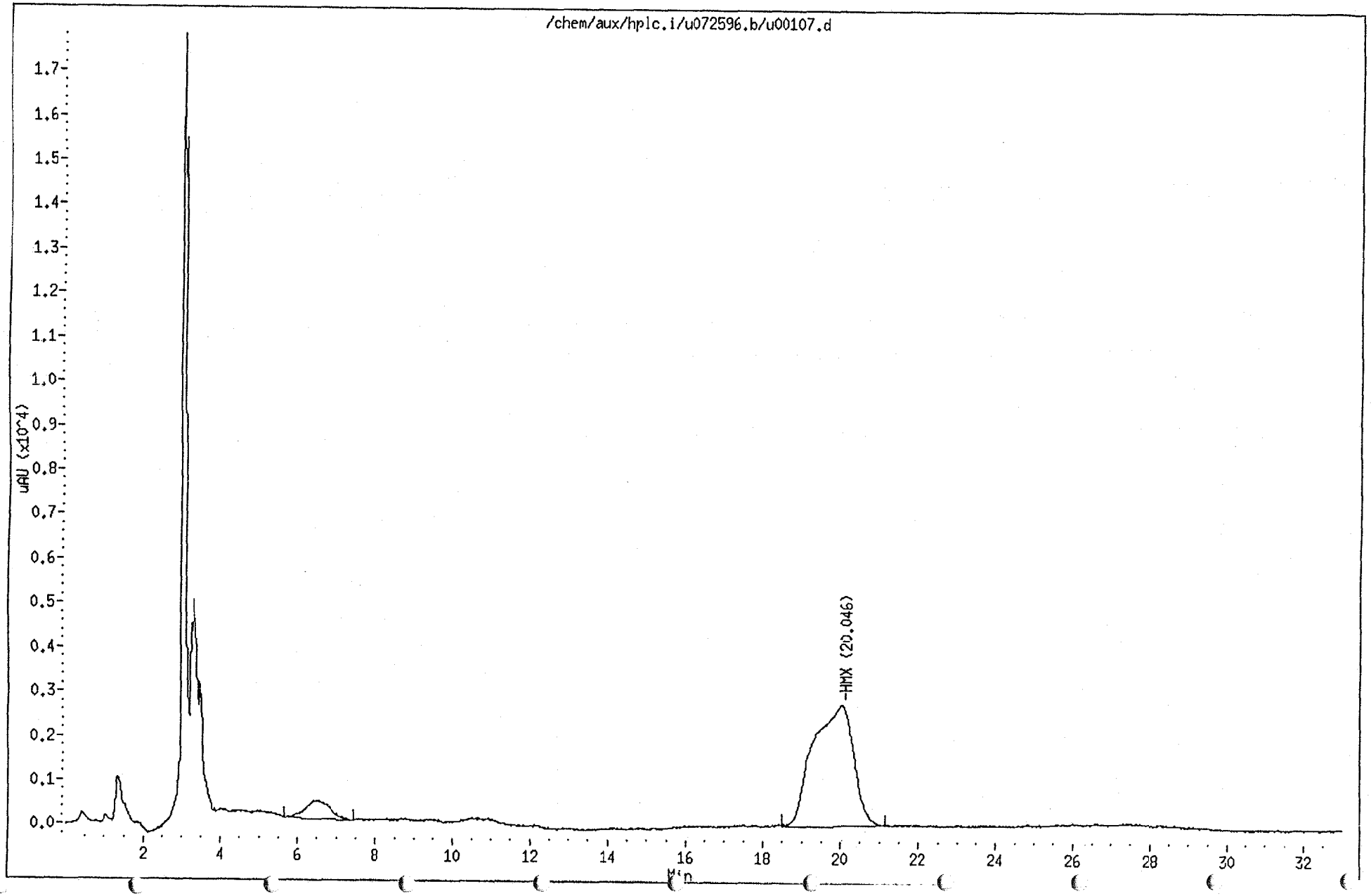


Data File: /chem/aux/hplc.i/u072596.b/u00107.d
Date : 26-JUL-96 00:00
Client ID:
Sample Info: jp9917q

Instrument: hplc.i

Operator: jk
Column diameter: 2.00

Column phase: c18



Data File: /chem/aux/hplc.i/u072396.b/u00063.d
Report Date: 25-Jul-1996 08:05

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00063.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 1906
Operator : jk Inst ID: hplc.i
Smp Info : 18221n dup-002
Misc Info : jp9917q,n2q61324,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 08:05 Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

gul
7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.917	3.918	-0.001	292797	2.057	2.057
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

Data File: /chem/aux/hplc.i/u072596.b/u00107.d
Report Date: 26-Jul-1996 09:42

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072596.b/u00107.d
Lab Smp Id:
Inj Date : 26-JUL-96 00:~~00~~ 0837
Operator : jk Inst ID: hplc.i
Smp Info : jp9917q
Misc Info : jp9917q
Comment :
Method : /chem/aux/hplc.i/u072596.b/072596_lc_confirm.m
Meth Date : 26-Jul-1996 09:13 jeff Quant Type: ESTD
Cal Date : 25-JUL-96 00:00 Cal File: u00079.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

AVL 7/26/96

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
	1 Nitrobenzene	Compound Not Detected.					
	2 1,3-Dinitrobenzene	Compound Not Detected.					
	3 1,3,5-Trinitrobenzene	Compound Not Detected.					
	4 RDX	Compound Not Detected.					
M	5 o-Nitrotoluene	Compound Not Detected.					
M	6 m-Nitrotoluene	Compound Not Detected.					
M	7 p-Nitrotoluene	Compound Not Detected.					
	8 2,6-Dinitrotoluene	Compound Not Detected.					
M	9 2,4-Dinitrotoluene	Compound Not Detected.					
	10 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
	11 2,4,6-Trinitrotoluene	Compound Not Detected.					
	12 HMX	20.046	20.031	0.015	306878	2.587	2.587
	13 Tetryl	Compound Not Detected.					

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 00977

EPA SAMPLE NO.

SSA-W5

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9912Q

Sample wt/vol: 2.83 (g/mL) G Lab File ID: U00052

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 17 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

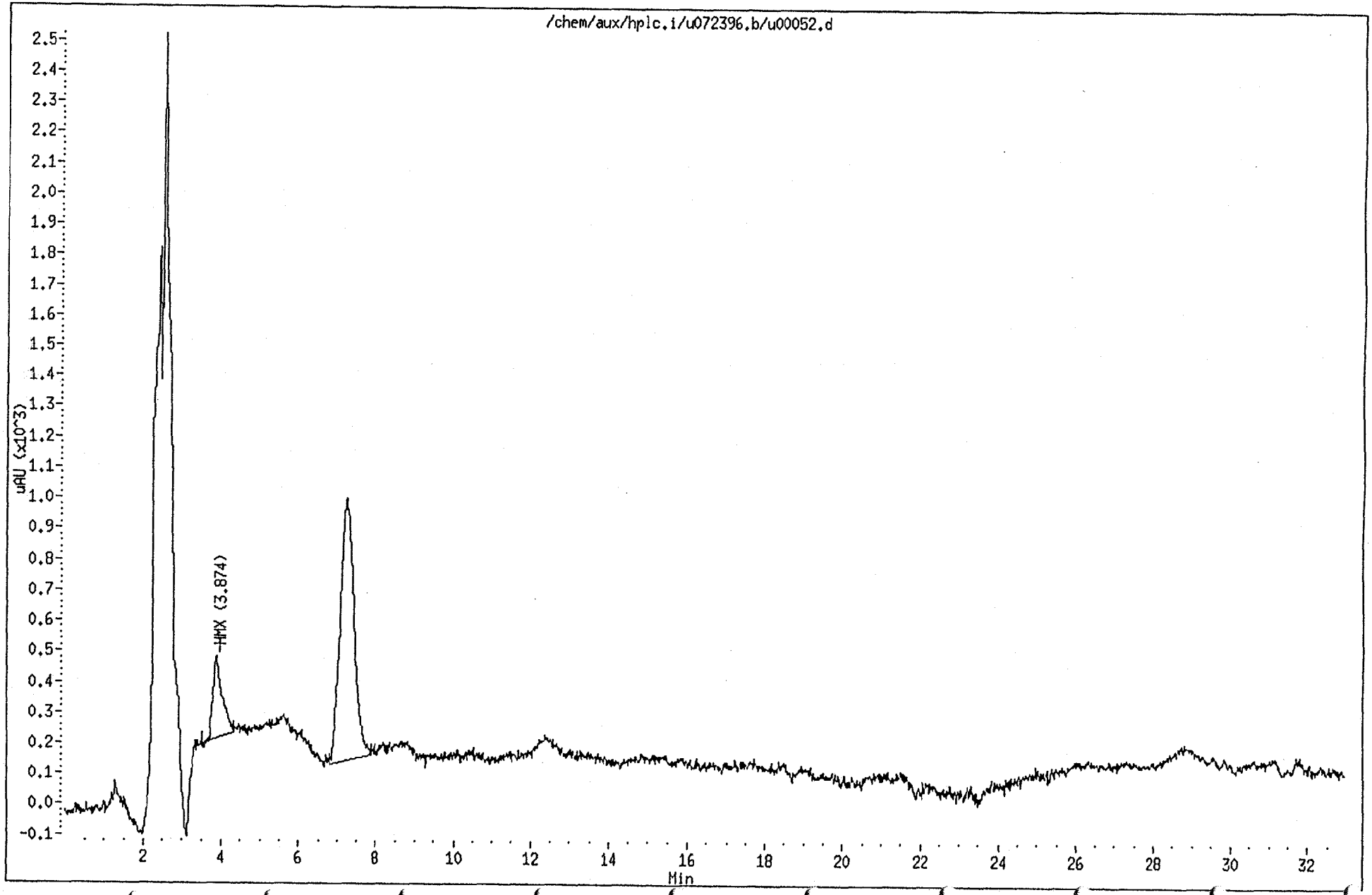
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	420	U
99-65-0	1,3-Dinitrobenzene	420	U
118-96-7	2,4,6-Trinitrotoluene	420	U
121-14-2	2,4-Dinitrotoluene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
2691-41-0	HMX	400	J
98-95-3	Nitrobenzene	420	U
99-99-0	p-Nitrotoluene	420	U
121-82-4	RDX	420	U
99081	m-Nitrotoluene	420	U
88-72-2	o-Nitrotoluene	420	U
479-45-8	Tetryl	420	U

Data File: /chem/aux/hplc.i/u072396.b/u00052.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa-w5

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00052.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 1014
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa-w5
Misc Info : jp9912q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

AOL 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.874	3.918	-0.044	6779	0.047	0.047
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

"J Value"

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 00980

EPA SAMPLE NO.

SSA7-F1

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9896Q

Sample wt/vol: 2.36 (g/mL) G Lab File ID: U00032

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 26 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/23/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	570	U
99-65-0	1,3-Dinitrobenzene	570	U
118-96-7	2,4,6-Trinitrotoluene	570	U
121-14-2	2,4-Dinitrotoluene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
2691-41-0	HMX	980	
98-95-3	Nitrobenzene	570	U
99-99-0	p-Nitrotoluene	570	U
121-82-4	RDX	570	U
99081	m-Nitrotoluene	570	U
88-72-2	o-Nitrotoluene	570	U
479-45-8	Tetryl	570	U

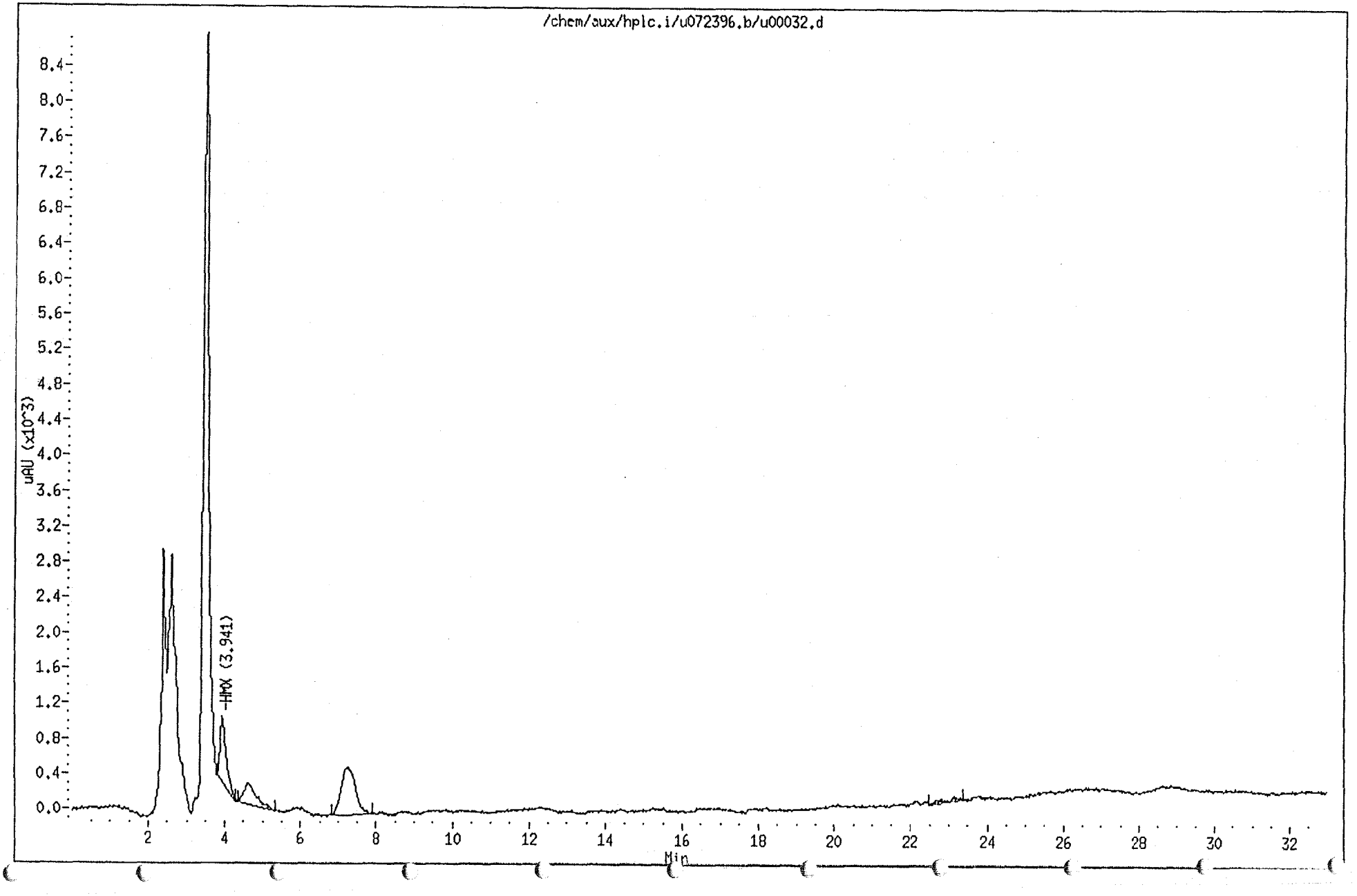
00981

Data File: /chem/aux/hplc.i/u072396.b/u00032.d
Date : 23-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-f1

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



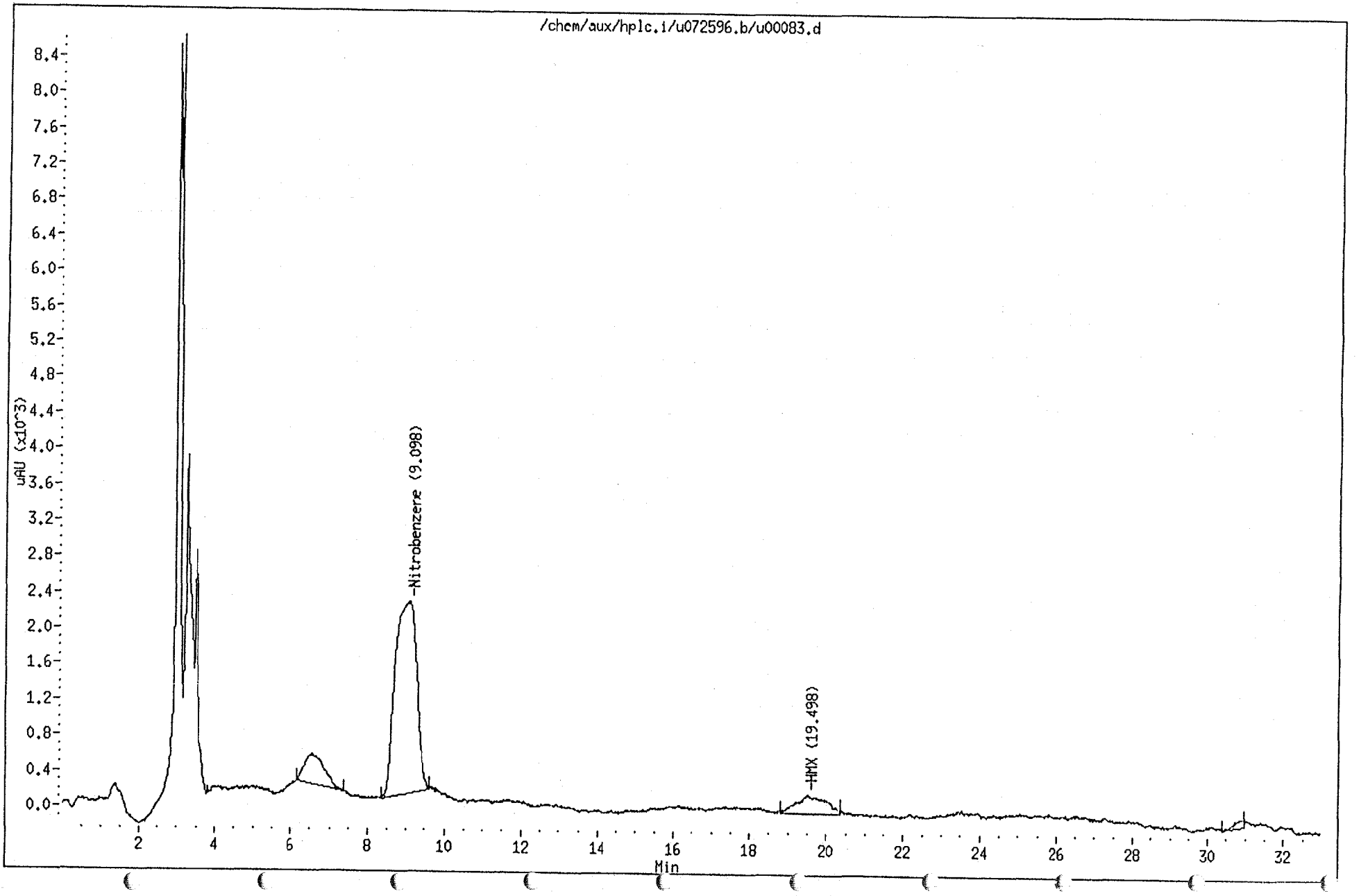
00982

Data File: /chem/aux/hplc.i/u072596.b/u00083.d
Date : 25-JUL-96 00:00
Client ID:
Sample Info: jp9896q

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00032.d
Report Date: 25-Jul-1996 07:32

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00032.d
Lab Smp Id:
Inj Date : 23-JUL-96 ~~00:00~~ 2258
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-f1
Misc Info : jp9896q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JDL 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.941	3.918	0.023	12277	0.086	0.086(M)
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/aux/hplc.i/u072596.b/u00083.d
Report Date: 26-Jul-1996 09:18

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072596.b/u00083.d
Lab Smp Id:
Inj Date : 25-JUL-96 ~~00:00~~ 1906
Operator : jk
Smp Info : jp9896q
Misc Info : jp9896q
Comment :
Method : /chem/aux/hplc.i/u072596.b/072596_lc_confirm.m
Meth Date : 26-Jul-1996 09:13 jeff
Cal Date : 25-JUL-96 00:00
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie
Target Version: 3.10

Inst ID: hplc.i

Quant Type: ESTD
Cal File: u00079.d

Compound Sublist: all.sub

9/26/96

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/ml)
	1 Nitrobenzene	9.098	9.318	-0.220	131933	0.362	0.362
	2 1,3-Dinitrobenzene	Compound Not Detected.					
	3 1,3,5-Trinitrobenzene	Compound Not Detected.					
	4 RDX	Compound Not Detected.					
M	5 o-Nitrotoluene	Compound Not Detected.					
M	6 m-Nitrotoluene	Compound Not Detected.					
M	7 p-Nitrotoluene	Compound Not Detected.					
M	9 2,4-Dinitrotoluene	Compound Not Detected.					
	10 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
	11 2,4,6-Trinitrotoluene	Compound Not Detected.					
	12 HMX	19.498	20.031	-0.533	17112	0.144	0.144 (M)
	13 Tetryl	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

00985 EPA SAMPLE NO.

SSA7-F2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9897Q

Sample wt/vol: 2.10 (g/mL) G Lab File ID: U00033

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 28 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/23/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	660	U
99-65-0	1,3-Dinitrobenzene	660	U
118-96-7	2,4,6-Trinitrotoluene	660	U
121-14-2	2,4-Dinitrotoluene	660	U
606-20-2	2,6-Dinitrotoluene	660	U
2691-41-0	HMX	3400	
98-95-3	Nitrobenzene	660	U
99-99-0	p-Nitrotoluene	660	U
121-82-4	RDX	300	J
99081	m-Nitrotoluene	660	U
88-72-2	o-Nitrotoluene	660	U
479-45-8	Tetryl	660	U

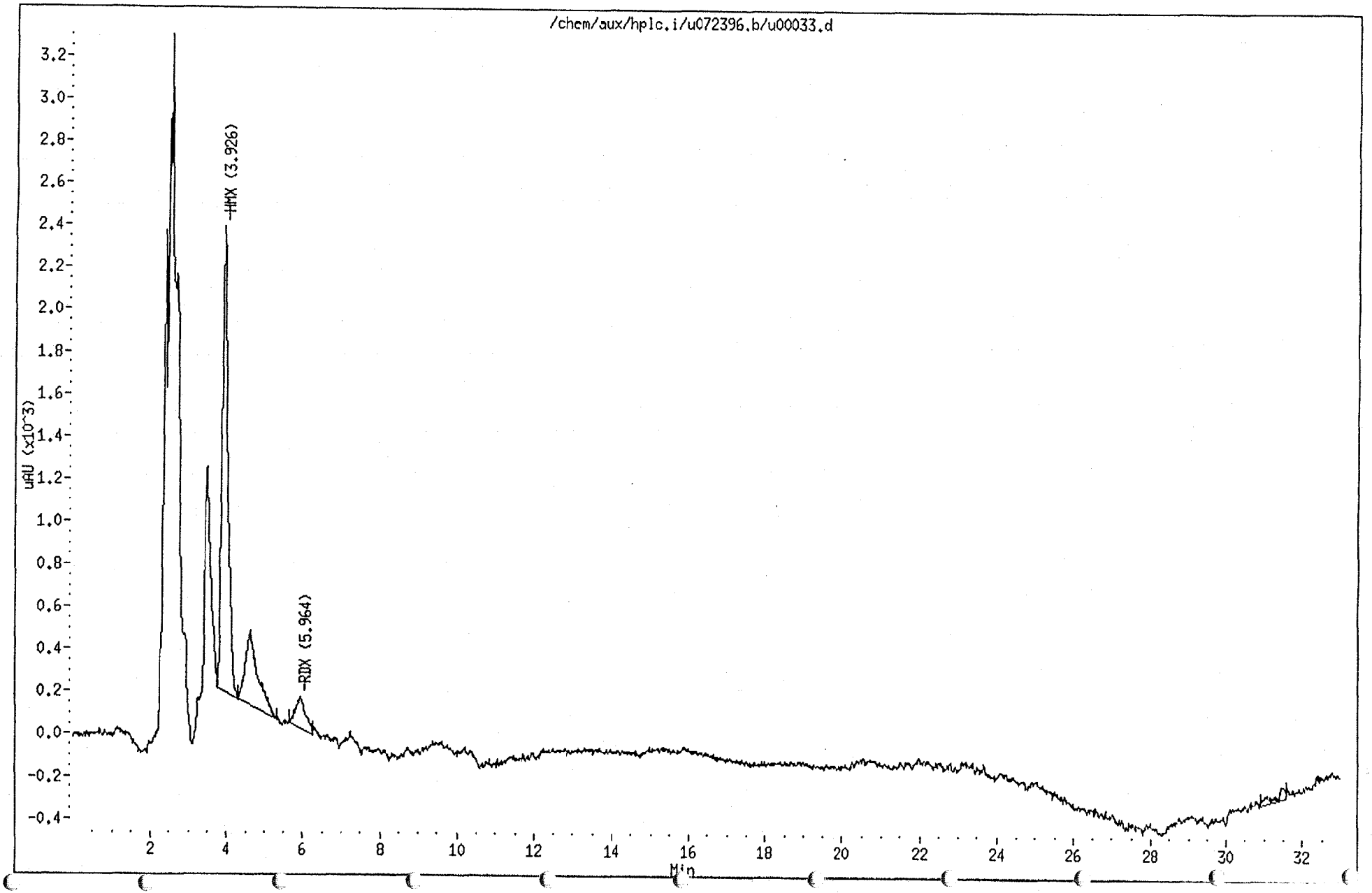
00986

Data File: /chem/aux/hplc.i/u072396.b/u00033.d
Date : 23-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-f2

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



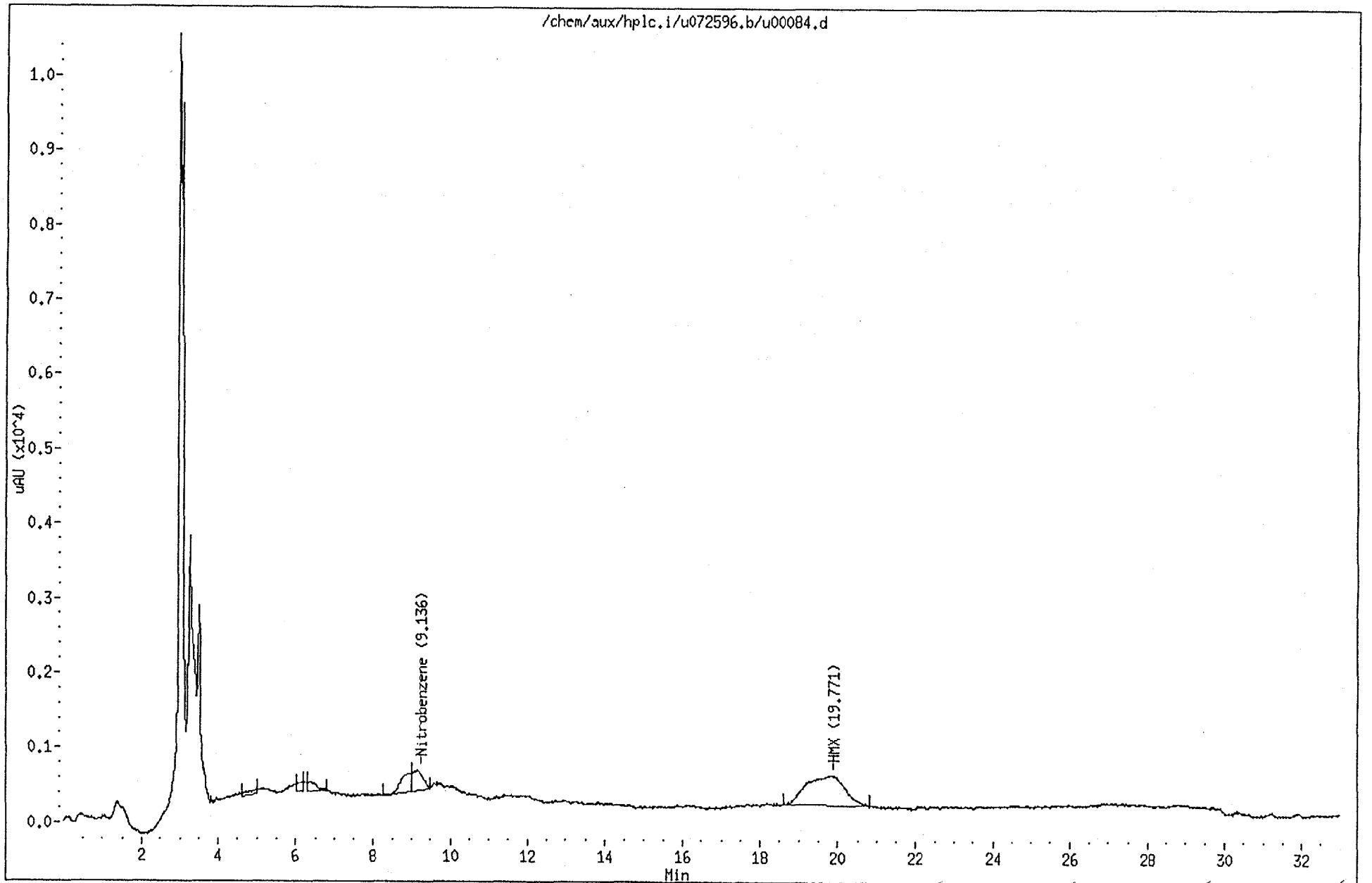
00987

Data File: /chem/aux/hplc.i/u072596.b/u00084.d
Date : 25-JUL-96 00:00
Client ID:
Sample Info: jp9897q

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00033.d
Report Date: 25-Jul-1996 07:32

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00033.d
Lab Smp Id:
Inj Date : 23-JUL-96 ~~00:00~~ 2331
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-f2
Misc Info : jp9897q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

gal 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.926	3.918	0.008	36804	0.258	0.258 (M)
2 RDX	5.964	5.885	0.079	4539	0.023	0.023 (M) "J"
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/aux/hplc.i/u072596.b/u00084.d
Report Date: 26-Jul-1996 09:20

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072596.b/u00084.d
Lab Smp Id:
Inj Date : 25-JUL-96 ~~00:00~~ 1940
Operator : jk Inst ID: hplc.i
Smp Info : jp9897q
Misc Info : jp9897q
Comment :
Method : /chem/aux/hplc.i/u072596.b/072596_lc_confirm.m
Meth Date : 26-Jul-1996 09:13 jeff Quant Type: ESTD
Cal Date : 25-JUL-96 00:00 Cal File: u00079.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/ml)
	1 Nitrobenzene	9.136	9.318	-0.182	8662	0.023	0.023
	2 1,3-Dinitrobenzene	Compound Not Detected.					
	3 1,3,5-Trinitrobenzene	Compound Not Detected.					
	4 RDX	Compound Not Detected.					
M	5 o-Nitrotoluene	Compound Not Detected.					
M	6 m-Nitrotoluene	Compound Not Detected.					
M	7 p-Nitrotoluene	Compound Not Detected.					
M	9 2,4-Dinitrotoluene	Compound Not Detected.					
	10 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
	11 2,4,6-Trinitrotoluene	Compound Not Detected.					
	12 HMX	19.771	20.031	-0.260	41382	0.348	0.348 (M)
	13 Tetryl	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

00990

EPA SAMPLE NO.

SSA7-F3

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9898Q

Sample wt/vol: 2.85 (g/mL) G Lab File ID: U00034

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 26 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	480	U
99-65-0	1,3-Dinitrobenzene	480	U
118-96-7	2,4,6-Trinitrotoluene	480	U
121-14-2	2,4-Dinitrotoluene	480	U
606-20-2	2,6-Dinitrotoluene	480	U
2691-41-0	HMX	1500	
98-95-3	Nitrobenzene	480	U
99-99-0	p-Nitrotoluene	480	U
121-82-4	RDX	480	U
99081	m-Nitrotoluene	480	U
88-72-2	o-Nitrotoluene	480	U
479-45-8	Tetryl	180	J

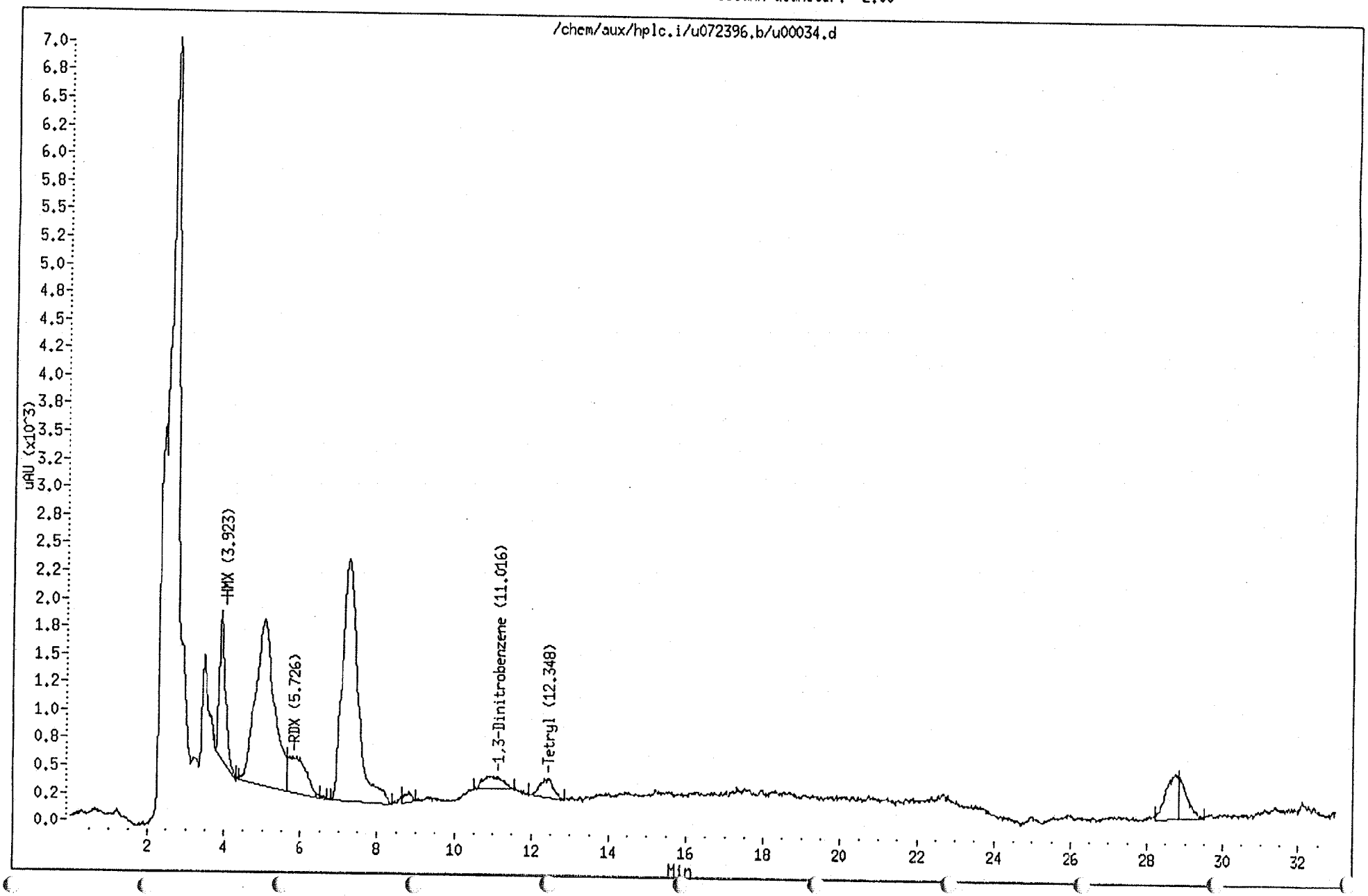
00991

Data File: /chem/aux/hplc.i/u072396.b/u00034.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-f3

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00

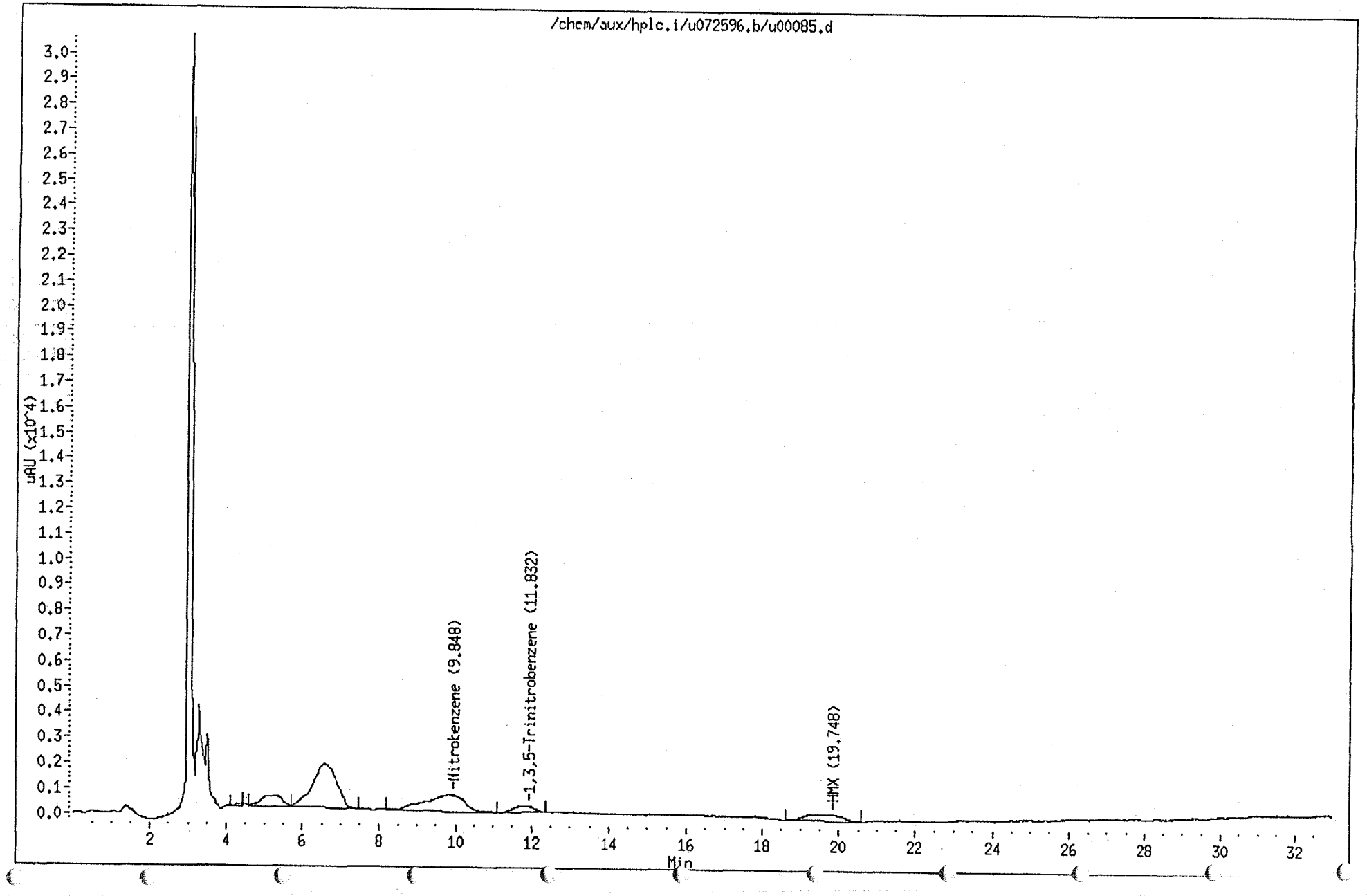


Data File: /chem/aux/hplc.i/u072596.b/u00085.d
Date : 25-JUL-96 00:00
Client ID:
Sample Info: jp9898q

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00034.d
Report Date: 25-Jul-1996 07:32

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00034.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:00 0005
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-f3
Misc Info : jp9898q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JCR 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.923	3.918	0.005	22429	0.157	0.157 (M)
2 RDX	5.726	5.885	-0.159	17619	0.090	~~0.090 (M)~~ RT
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	11.016	10.810	0.206	6464	0.011	~~0.011 (M)~~ RT
5 Tetryl	12.348	12.357	-0.009	6349	0.019	0.019
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/aux/hplc.i/u072596.b/u00085.d
Report Date: 26-Jul-1996 09:23

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072596.b/u00085.d
Lab Smp Id:
Inj Date : 25-JUL-96 ~~00:00~~ 2013
Operator : jk Inst ID: hplc.i
Smp Info : jp9898q
Misc Info : jp9898q
Comment :
Method : /chem/aux/hplc.i/u072596.b/072596_lc_confirm.m
Meth Date : 26-Jul-1996 09:13 jeff Quant Type: ESTD
Cal Date : 25-JUL-96 00:00 Cal File: u00079.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JR 7/26/96

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
	1 Nitrobenzene	9.848	9.318	0.530	75447	0.207	~~0.207~~
	2 1,3-Dinitrobenzene	Compound Not Detected.					
	3 1,3,5-Trinitrobenzene	11.832	11.227	0.605	15211	0.033	~~0.033~~ RT
	4 RDX	Compound Not Detected.					
M	5 o-Nitrotoluene	Compound Not Detected.					
M	6 m-Nitrotoluene	Compound Not Detected.					
M	7 p-Nitrotoluene	Compound Not Detected.					
	9 2,4-Dinitrotoluene	Compound Not Detected.					
	10 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
	11 2,4,6-Trinitrotoluene	Compound Not Detected.					
	12 HMX	19.748	20.031	-0.283	25462	0.214	0.214 (M)
	13 Tetryl	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

00995 EPA SAMPLE NO.

SSA7-F4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9899Q

Sample wt/vol: 2.77 (g/mL) G Lab File ID: U00035

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	440	U
99-65-0	1,3-Dinitrobenzene	440	U
118-96-7	2,4,6-Trinitrotoluene	440	U
121-14-2	2,4-Dinitrotoluene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
2691-41-0	HMX	280	J
98-95-3	Nitrobenzene	440	U
99-99-0	p-Nitrotoluene	440	U
121-82-4	RDX	440	U
99081	m-Nitrotoluene	440	U
88-72-2	o-Nitrotoluene	440	U
479-45-8	Tetryl	440	U

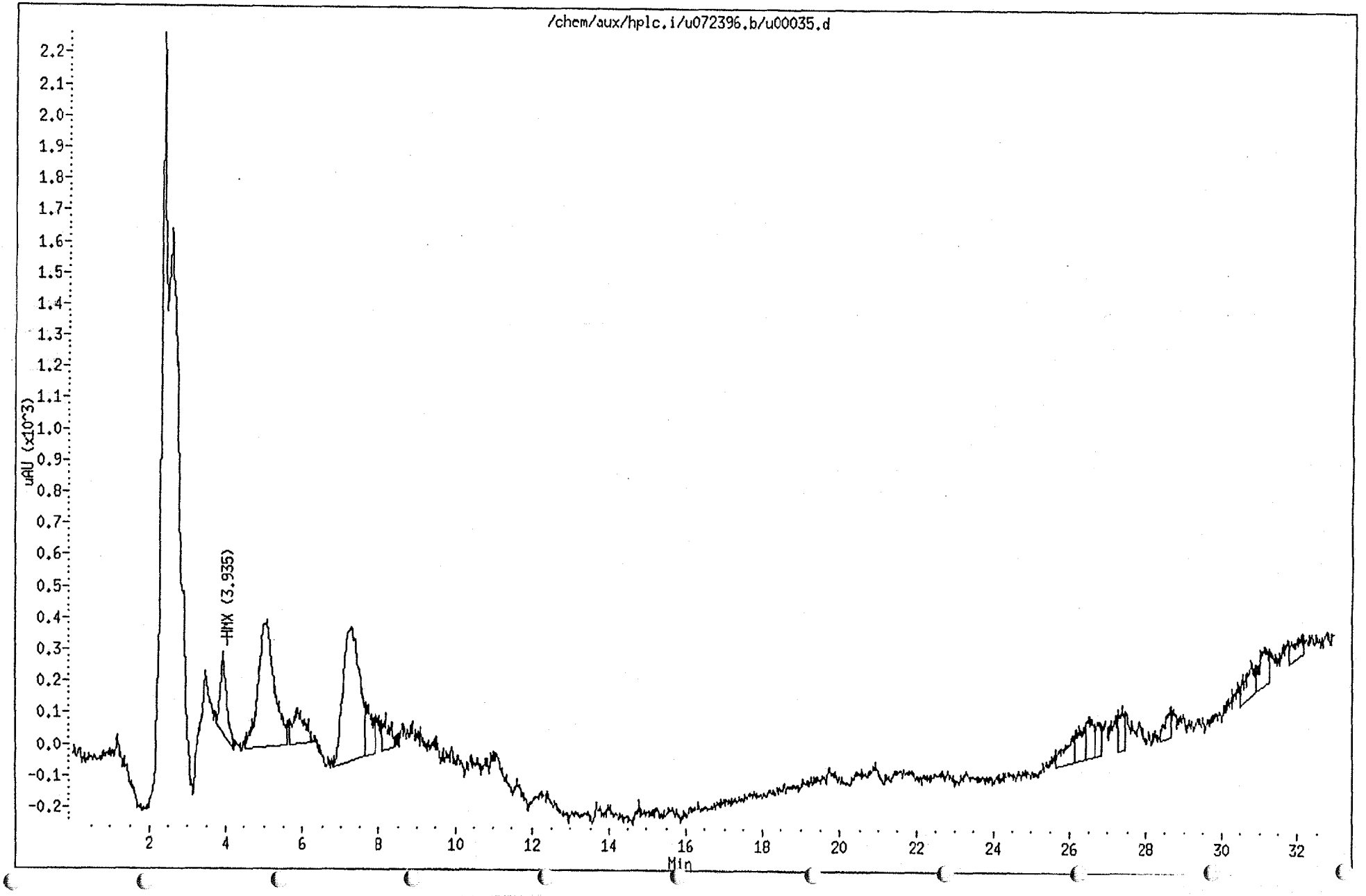
00996

Data File: /chem/aux/hplc.i/u072396.b/u00035.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-f4

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00035.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 0039
Operator : jk
Smp Info : 18221n ssa7-f4
Misc Info : jp9899q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn
Cal Date : 23-JUL-1996 00:00
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie
Target Version: 3.10

Inst ID: hplc.i

Quant Type: ESTD
Cal File: u00021.d

Compound Sublist: all.sub

ad 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.935	3.918	0.017	4490	0.031	0.031
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

"J" value

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 00998

EPA SAMPLE NO.

SSA7-F5

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9900Q

Sample wt/vol: 2.41 (g/mL) G Lab File ID: U00036

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 21 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	520	U
99-65-0	1,3-Dinitrobenzene	520	U
118-96-7	2,4,6-Trinitrotoluene	520	U
121-14-2	2,4-Dinitrotoluene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
2691-41-0	HMX	2600	
98-95-3	Nitrobenzene	520	U
99-99-0	p-Nitrotoluene	520	U
121-82-4	RDX	520	U
99081	m-Nitrotoluene	520	U
88-72-2	o-Nitrotoluene	520	U
479-45-8	Tetryl	520	U

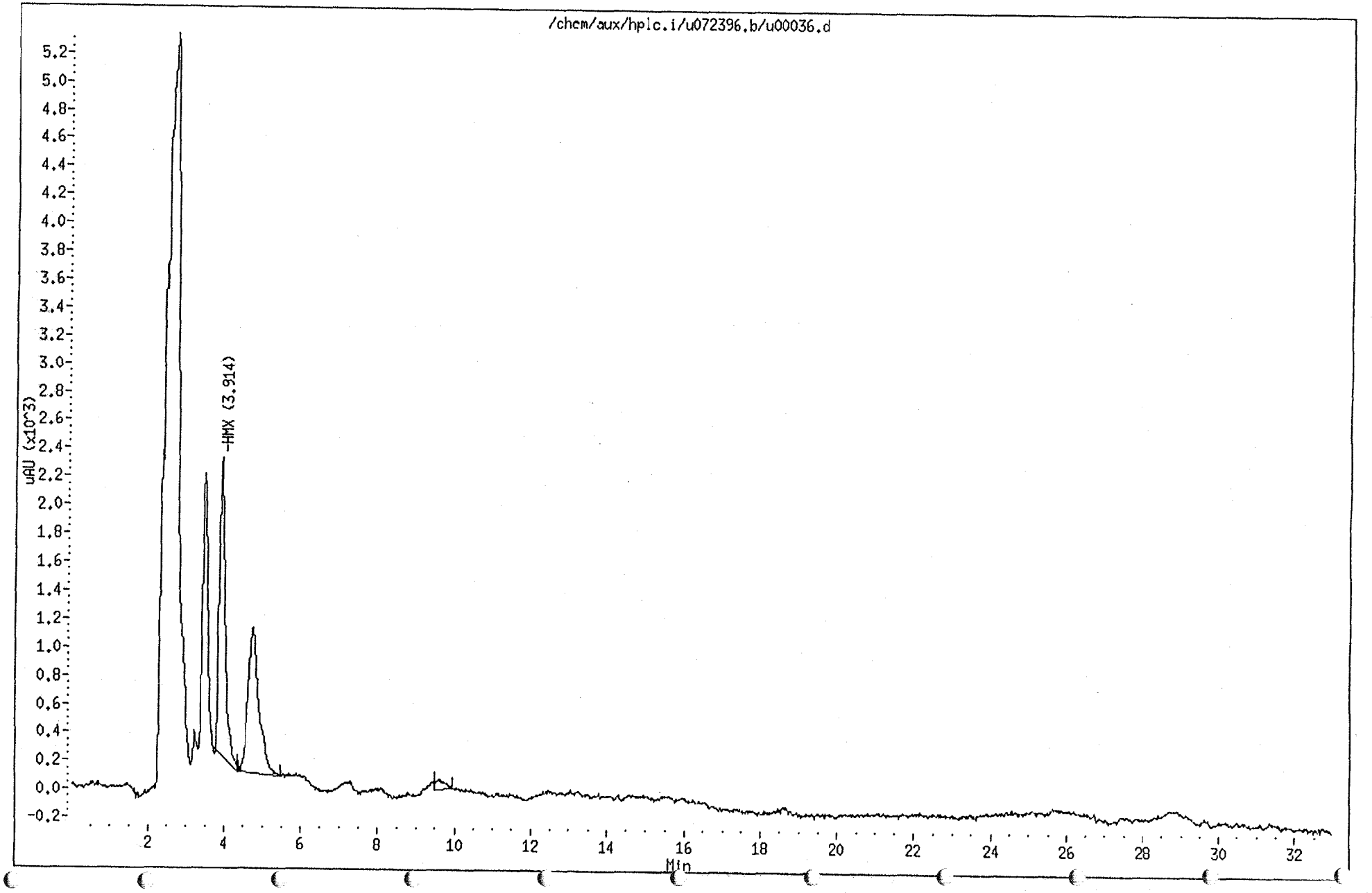
00099

Data File: /chem/aux/hplc.i/u072396.b/u00036.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-f5

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



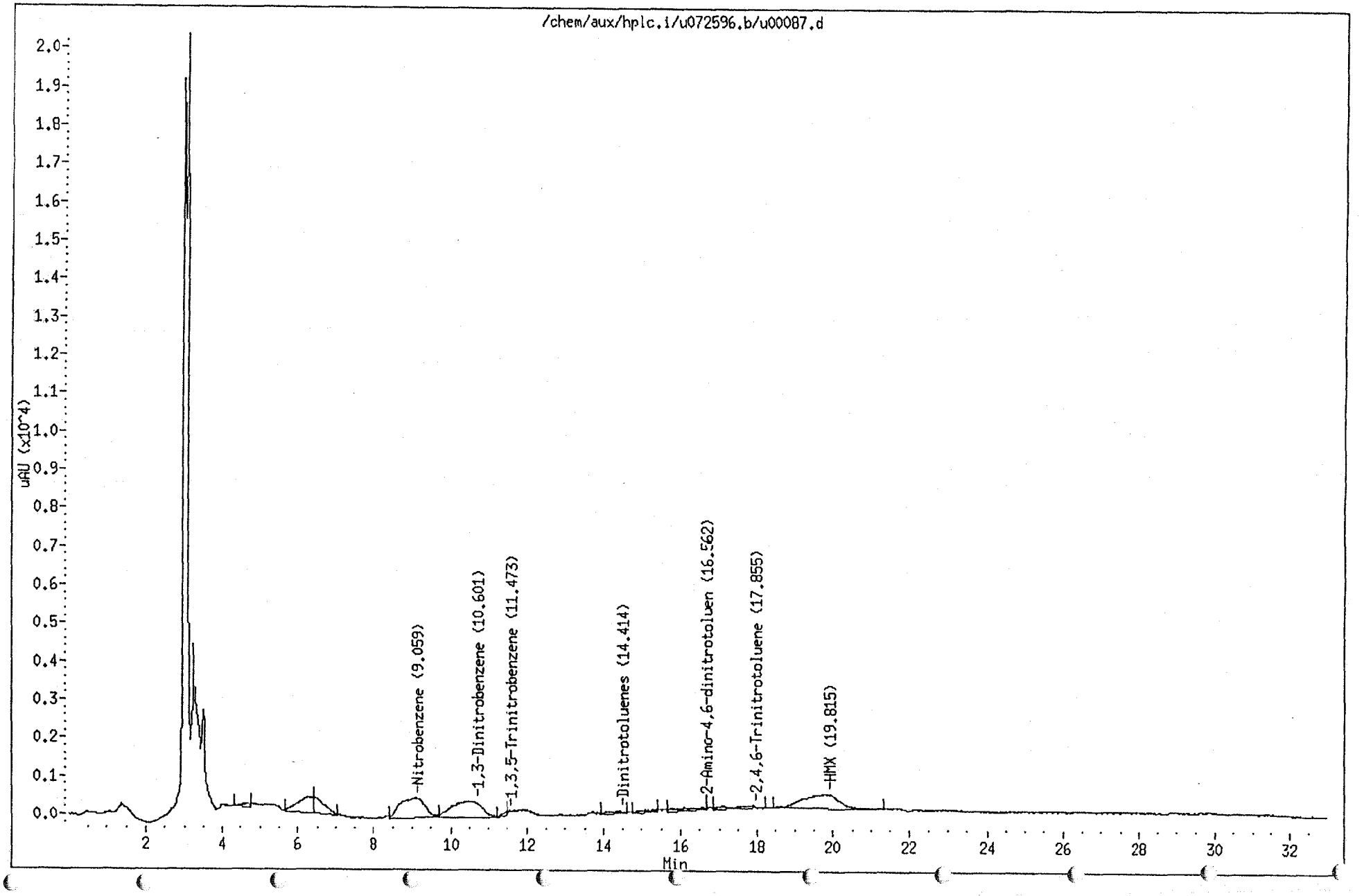
01000

Data File: /chem/aux/hplc.i/u072596.b/u00087.d
Date : 25-JUL-96 00:00
Client ID:
Sample Info: jp9900q

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00036.d
Report Date: 25-Jul-1996 07:33

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00036.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:~~00~~ 0113
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-f5
Misc Info : jp9900q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.914	3.918	-0.004	35825	0.251	0.251(M)
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/aux/hplc.i/u072596.b/u00087.d
Report Date: 26-Jul-1996 08:59

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072596.b/u00087.d
Lab Smp Id:
Inj Date : 25-JUL-96 00:00 2121
Operator : jk Inst ID: hplc.i
Smp Info : jp9900q
Misc Info : jp9900q
Comment :
Method : /chem/aux/hplc.i/u072596.b/072596_lc_confirm.m
Meth Date : 26-Jul-1996 08:59 Quant Type: ESTD
Cal Date : 25-JUL-96 00:00 Cal File: u00079.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 Nitrobenzene	9.059	9.318	-0.259	37888	0.104	0.104
2 1,3-Dinitrobenzene	10.601	10.470	0.131	38948	0.064	0.064
3 1,3,5-Trinitrobenzene	11.473	11.227	0.246	1816	0.004	0.004
4 RDX	Compound Not Detected.					
5 Dinitrotoluenes	14.414	14.779	-0.365	2431	0.005	0.005
6 2-Amino-4,6-dinitrotoluene	16.562	16.795	-0.233	6074	0.018	0.018
7 2,4,6-Trinitrotoluene	17.855	17.723	0.132	7160	0.021	0.021
8 HMX	19.815	20.031	-0.216	37483	0.316	0.316
9 Tetryl	Compound Not Detected.					

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01003 EPA SAMPLE NO.

SSA7-TF1

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9901Q

Sample wt/vol: 2.92 (g/mL) G Lab File ID: U00037

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 28 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	480	U
99-65-0	1,3-Dinitrobenzene	480	U
118-96-7	2,4,6-Trinitrotoluene	480	U
121-14-2	2,4-Dinitrotoluene	480	U
606-20-2	2,6-Dinitrotoluene	480	U
2691-41-0	HMX	7400	
98-95-3	Nitrobenzene	480	U
99-99-0	p-Nitrotoluene	480	U
121-82-4	RDX	1100	
99081	m-Nitrotoluene	480	U
88-72-2	o-Nitrotoluene	480	U
479-45-8	Tetryl	480	U

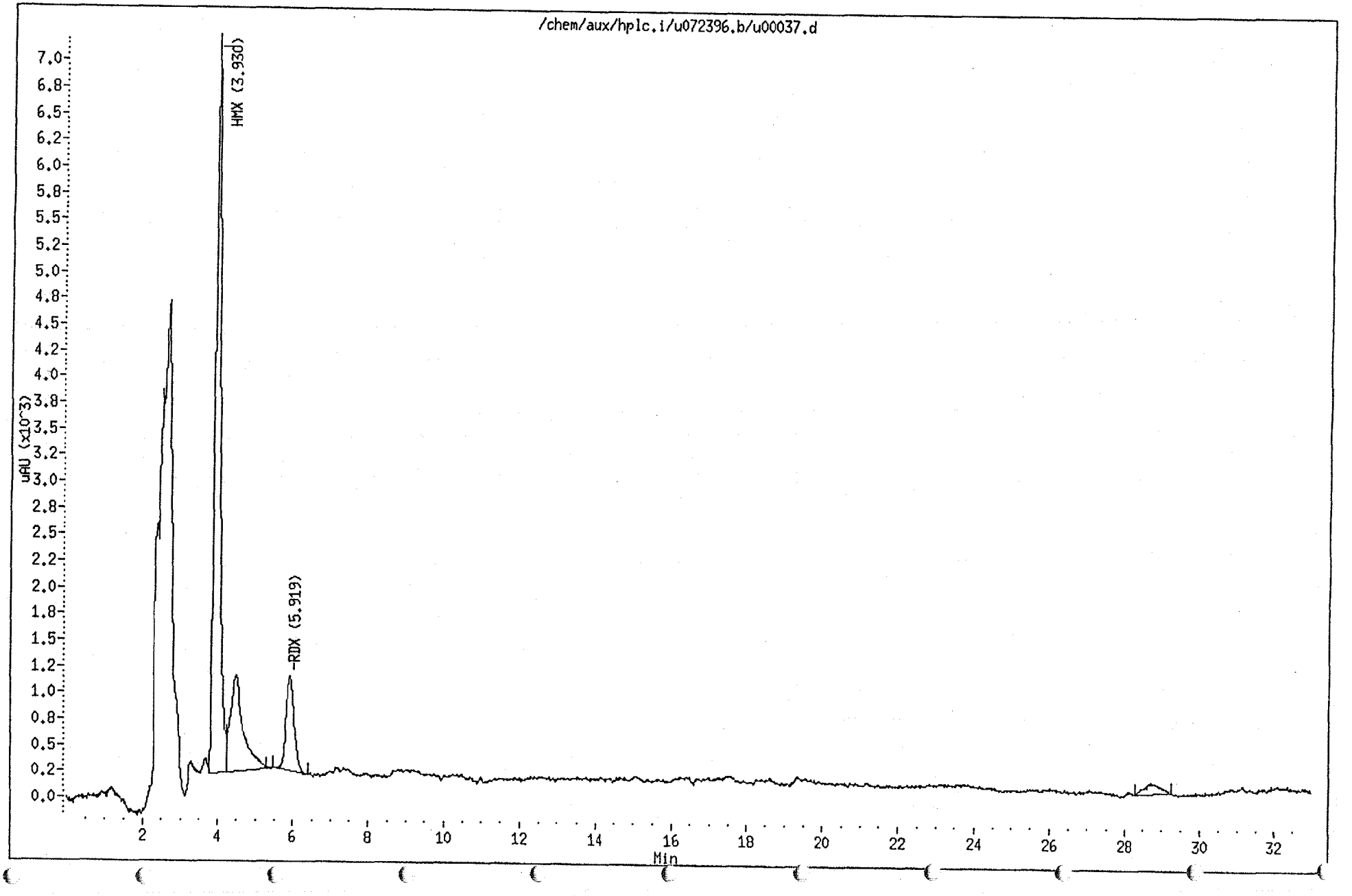
01004

Data File: /chem/aux/hplc.i/u072396.b/u00037.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-tf1

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



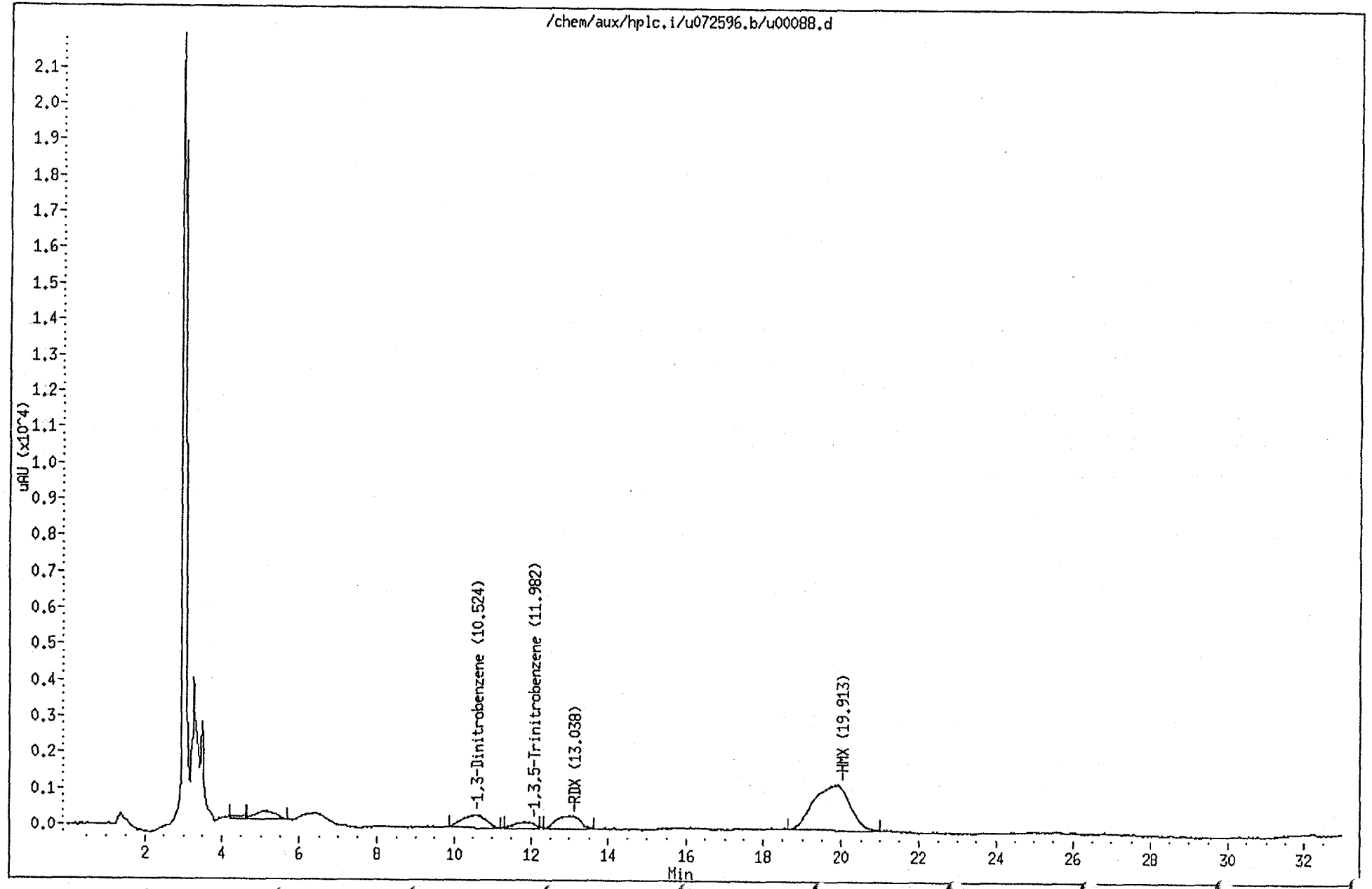
01005

Data File: /chem/aux/hplc.i/u072596.b/u00088.d
Date : 25-JUL-96 00:00
Client ID:
Sample Info: jp9901q

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00037.d
Report Date: 25-Jul-1996 07:33

OHM Analytical Division

9ul 7/25/96

Data file : /chem/aux/hplc.i/u072396.b/u00037.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 0147
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-tf1
Misc Info : jp9901q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.930	3.918	0.012	110444	0.776	0.776
2 RDX	5.919	5.885	0.034	22509	0.115	0.115
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

Data File: /chem/aux/hplc.i/u072596.b/u00088.d
Report Date: 26-Jul-1996 08:59

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072596.b/u00088.d
Lab Smp Id:
Inj Date : 25-JUL-96 ~~00:00~~ 2155
Operator : jk Inst ID: hplc.i
Smp Info : jp9901q
Misc Info : jp9901q
Comment :
Method : /chem/aux/hplc.i/u072596.b/072596_lc_confirm.m
Meth Date : 26-Jul-1996 08:59 Quant Type: ESTD
Cal Date : 25-JUL-96 00:00 Cal File: u00079.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JCL 7/26/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 Nitrobenzene	Compound Not Detected.					
2 1,3-Dinitrobenzene	10.524	10.470	0.054	24406	0.040	0.040
3 1,3,5-Trinitrobenzene	11.982	11.227	0.755	9854	0.021	0.021
4 RDX	13.038	12.998	0.040	25043	0.112	0.112
5 Dinitrotoluenes	Compound Not Detected.					
6 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
7 2,4,6-Trinitrotoluene	Compound Not Detected.					
8 HMX	19.913	20.031	-0.118	130848	1.103	1.103
9 Tetryl	Compound Not Detected.					

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 01008

EPA SAMPLE NO.

SSA7-TF2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9902Q

Sample wt/vol: 2.74 (g/mL) G Lab File ID: U00040

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	490	U
99-65-0	1,3-Dinitrobenzene	490	U
118-96-7	2,4,6-Trinitrotoluene	490	U
121-14-2	2,4-Dinitrotoluene	490	U
606-20-2	2,6-Dinitrotoluene	490	U
2691-41-0	HMX	340	J
98-95-3	Nitrobenzene	490	U
99-99-0	p-Nitrotoluene	490	U
121-82-4	RDX	490	U
99081	m-Nitrotoluene	490	U
88-72-2	o-Nitrotoluene	490	U
479-45-8	Tetryl	490	U

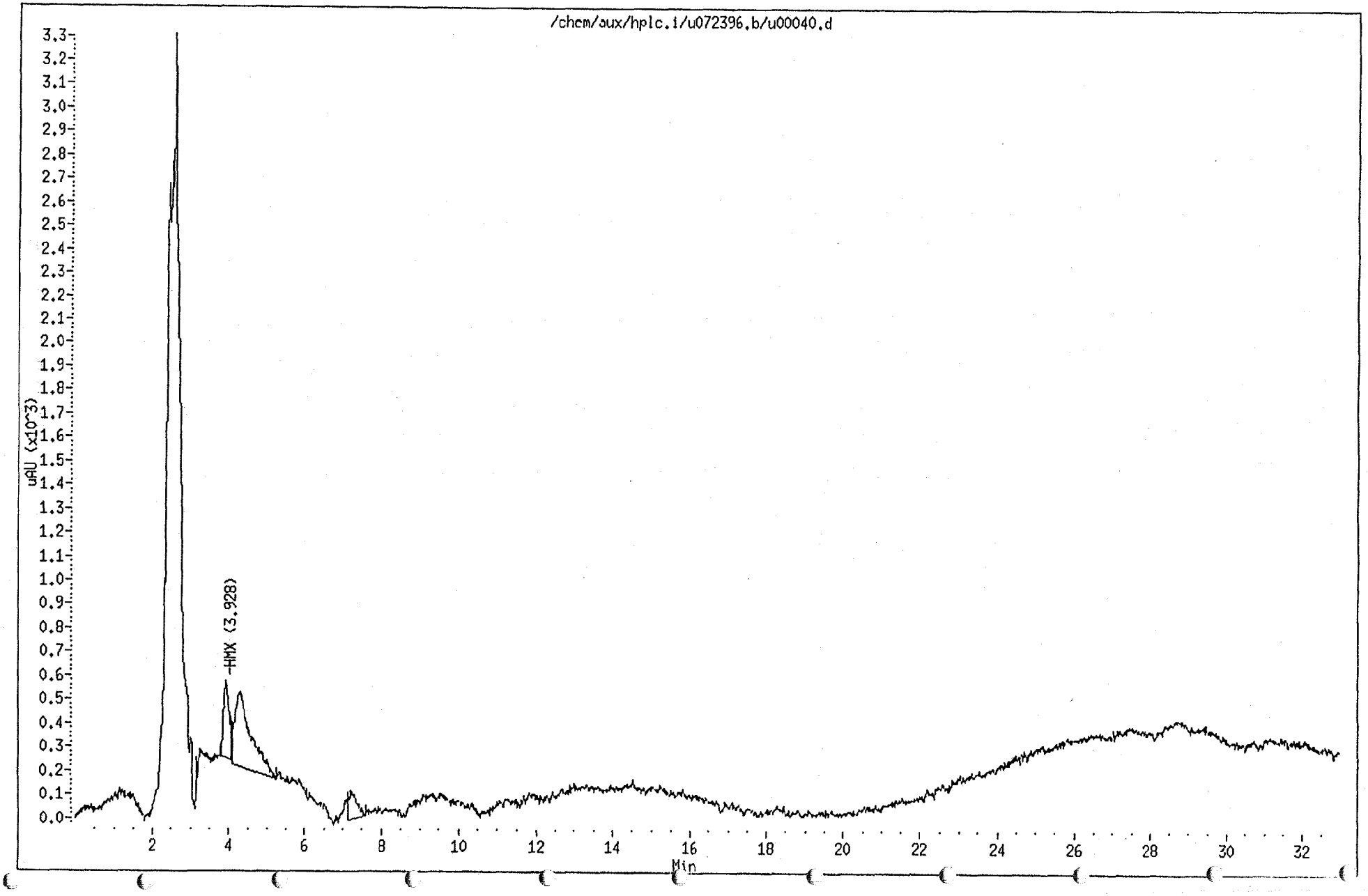
01009

Data File: /chem/aux/hplc.i/u072396.b/u00040.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-tf2

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00040.d
Report Date: 25-Jul-1996 07:33

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00040.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:00 0328
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-tf2
Misc Info : jp9902q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

gal 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.928	3.918	0.010	4990	0.035	0.035 (M)
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

"J Value"

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01011 EPA SAMPLE NO.

SSA7-TF3

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9903Q

Sample wt/vol: 2.10 (g/mL) G Lab File ID: U00041

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 21 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	610	U
99-65-0	1,3-Dinitrobenzene	610	U
118-96-7	2,4,6-Trinitrotoluene	610	U
121-14-2	2,4-Dinitrotoluene	610	U
606-20-2	2,6-Dinitrotoluene	610	U
2691-41-0	HMX	230	J
98-95-3	Nitrobenzene	610	U
99-99-0	p-Nitrotoluene	610	U
121-82-4	RDX	610	U
99081	m-Nitrotoluene	610	U
88-72-2	o-Nitrotoluene	610	U
479-45-8	Tetryl	610	U

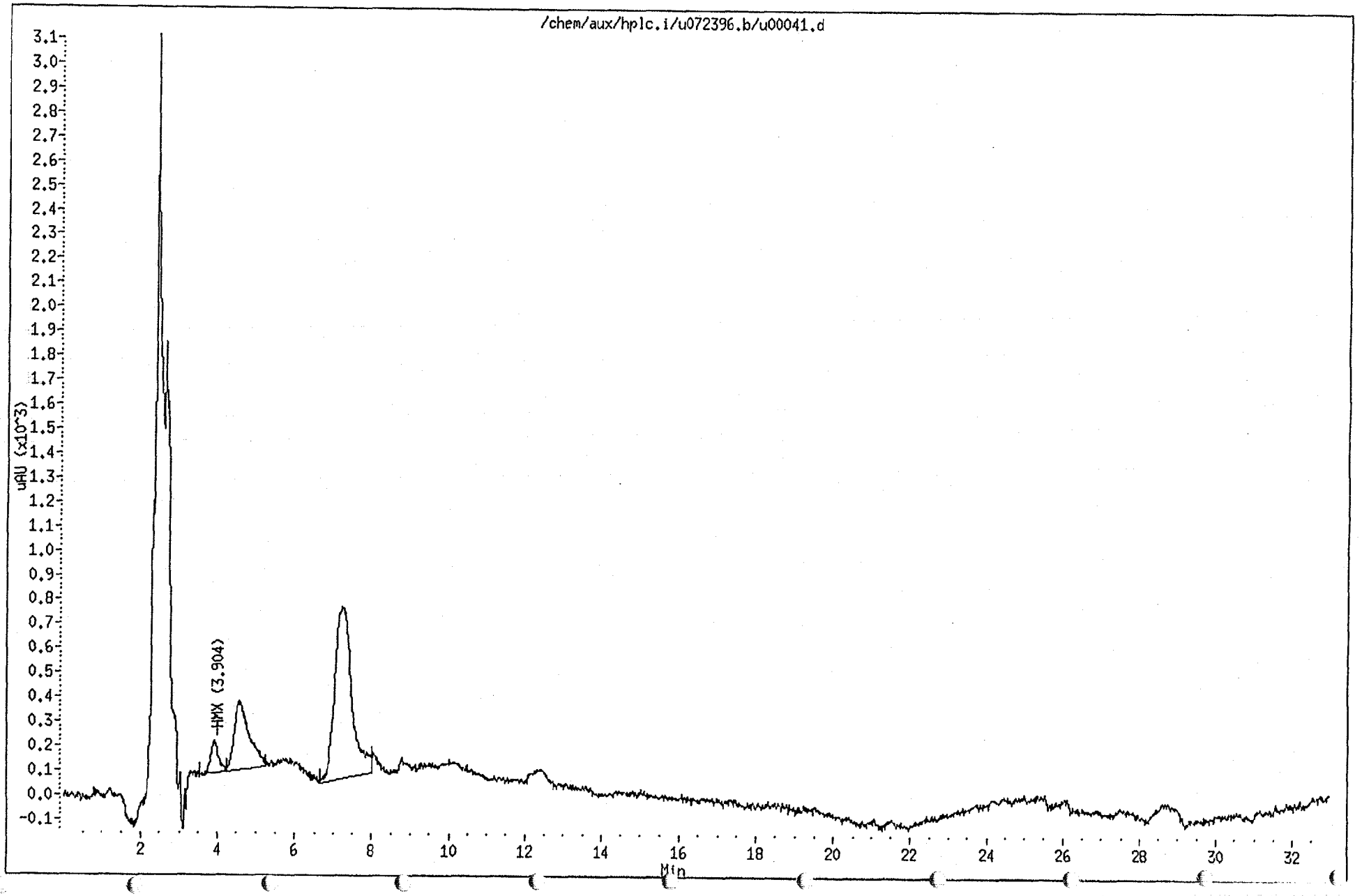
01012

Data File: /chem/aux/hplc.i/u072396.b/u00041.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-tf3

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00041.d
Report Date: 24-Jul-1996 07:35

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00041.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:00 0402
Operator : jk
Inst ID: hplc.i
Smp Info : 18221n ssa7-tf3
Misc Info : jp9903q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 24-Jul-1996 07:22 jeff
Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00
Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie
Compound Sublist: all.sub
Target Version: 3.10

JDR 7/24/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.904	3.918	-0.014	2756	0.019	0.019
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

"J Value"

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01014 EPA SAMPLE NO.

SSA7-TF4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9904Q

Sample wt/vol: 2.70 (g/mL) G Lab File ID: U00042

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 21 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	470	U
99-65-0	1,3-Dinitrobenzene	470	U
118-96-7	2,4,6-Trinitrotoluene	470	U
121-14-2	2,4-Dinitrotoluene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
2691-41-0	HMX	470	U
98-95-3	Nitrobenzene	470	U
99-99-0	p-Nitrotoluene	470	U
121-82-4	RDX	470	U
99081	m-Nitrotoluene	470	U
88-72-2	o-Nitrotoluene	470	U
479-45-8	Tetryl	470	U

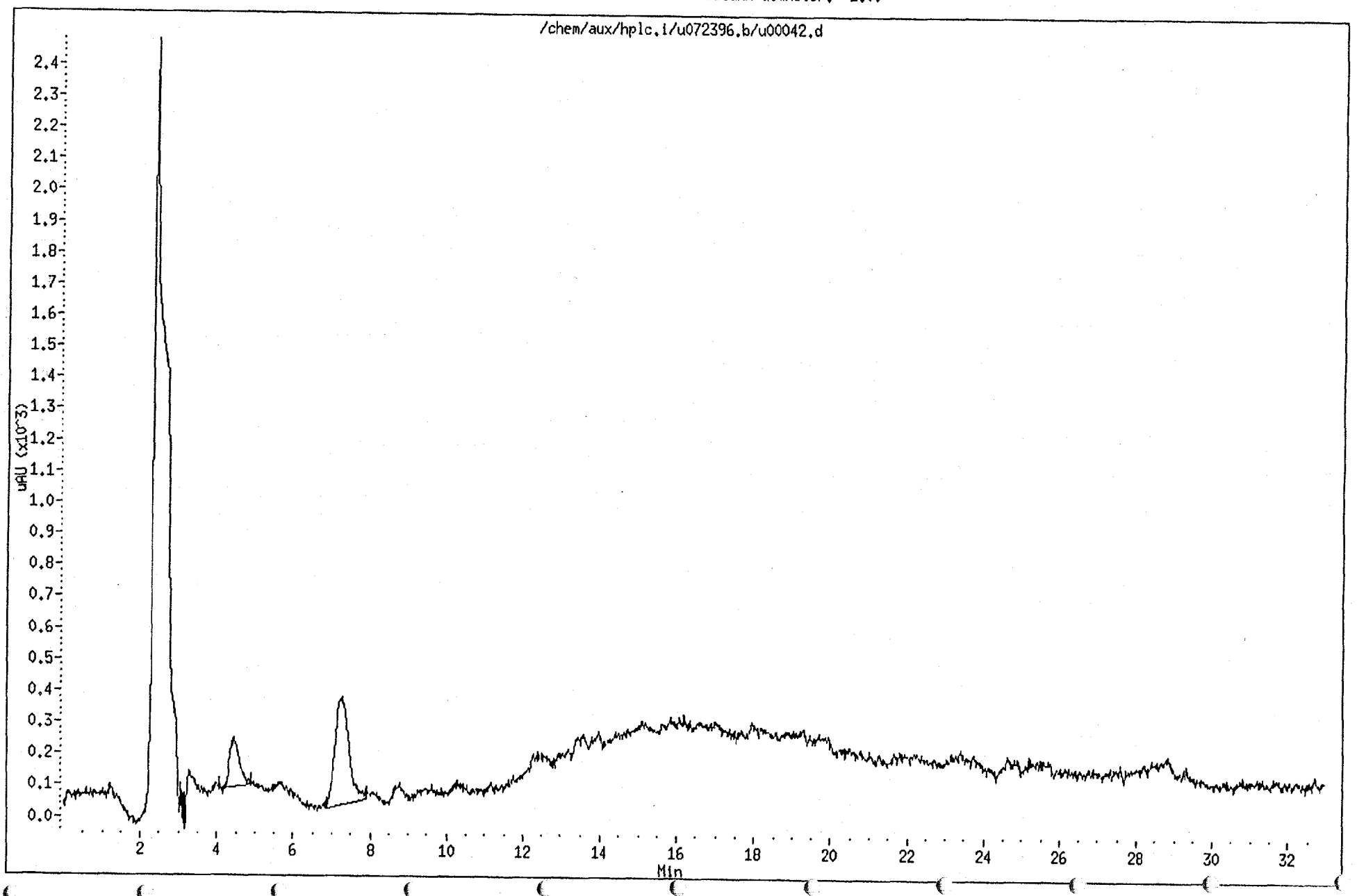
01015

Data File: /chem/aux/hplc.i/u072396.b/u00042.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-tf4

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00042.d
Report Date: 24-Jul-1996 07:35

OHM Analytical Division

JOR 7/24/96

Data file : /chem/aux/hplc.i/u072396.b/u00042.d
Lab Smp Id:
Inj Date : 24-JUL-96 00~~:00~~ 0436
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-tf4
Misc Info : jp9904q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 24-Jul-1996 07:22 jeff Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	Compound Not Detected.					
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01017 EPA SAMPLE NO.

SSA7-TF5

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9905Q

Sample wt/vol: 2.40 (g/mL) G Lab File ID: U00043

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 22 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	530	U
99-65-0	1,3-Dinitrobenzene	530	U
118-96-7	2,4,6-Trinitrotoluene	530	U
121-14-2	2,4-Dinitrotoluene	530	U
606-20-2	2,6-Dinitrotoluene	530	U
2691-41-0	HMX	530	U
98-95-3	Nitrobenzene	530	U
99-99-0	p-Nitrotoluene	530	U
121-82-4	RDX	530	U
99081	m-Nitrotoluene	530	U
88-72-2	o-Nitrotoluene	530	U
479-45-8	Tetryl	530	U

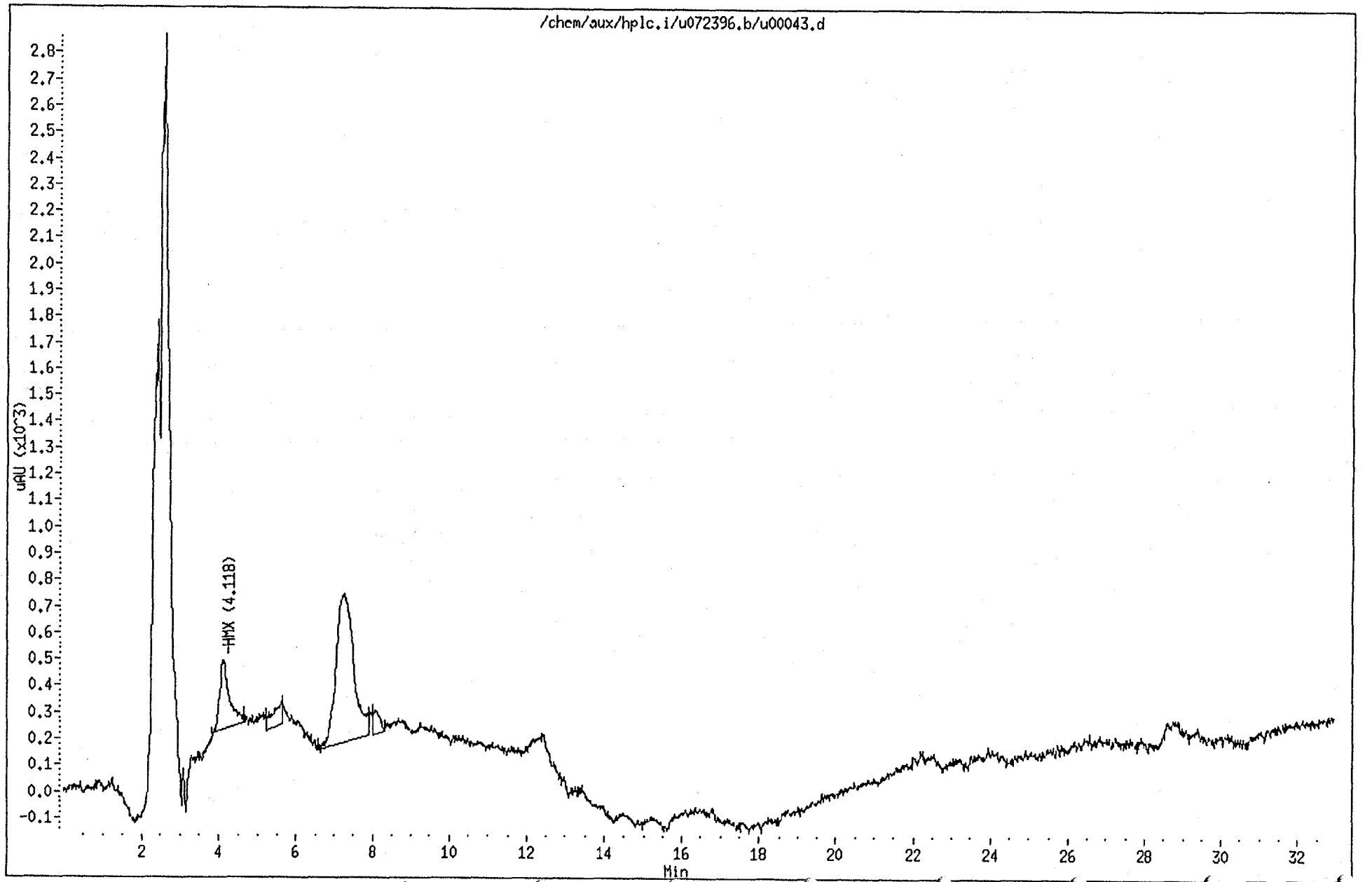
01018

Data File: /chem/aux/hplc.i/u072396.b/u00043.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-tf5

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00043.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:00 0509
Operator : jk
Inst ID: hplc.i
Smp Info : 18221n ssa7-tf5
Misc Info : jp9905q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn
Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00
Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie
Compound Sublist: all.sub
Target Version: 3.10

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	4.118	3.918	0.200	7158	0.050	0.050(M)
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01020 EPA SAMPLE NO.

SSA7-TF6

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9906Q

Sample wt/vol: 2.00 (g/mL) G Lab File ID: U00044

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	99	J
99-65-0	1,3-Dinitrobenzene	620	U
118-96-7	2,4,6-Trinitrotoluene	620	U
121-14-2	2,4-Dinitrotoluene	620	U
606-20-2	2,6-Dinitrotoluene	620	U
2691-41-0	HMX	620	U
98-95-3	Nitrobenzene	620	U
99-99-0	p-Nitrotoluene	620	U
121-82-4	RDX	620	U
99081	m-Nitrotoluene	620	U
88-72-2	o-Nitrotoluene	620	U
479-45-8	Tetryl	620	U

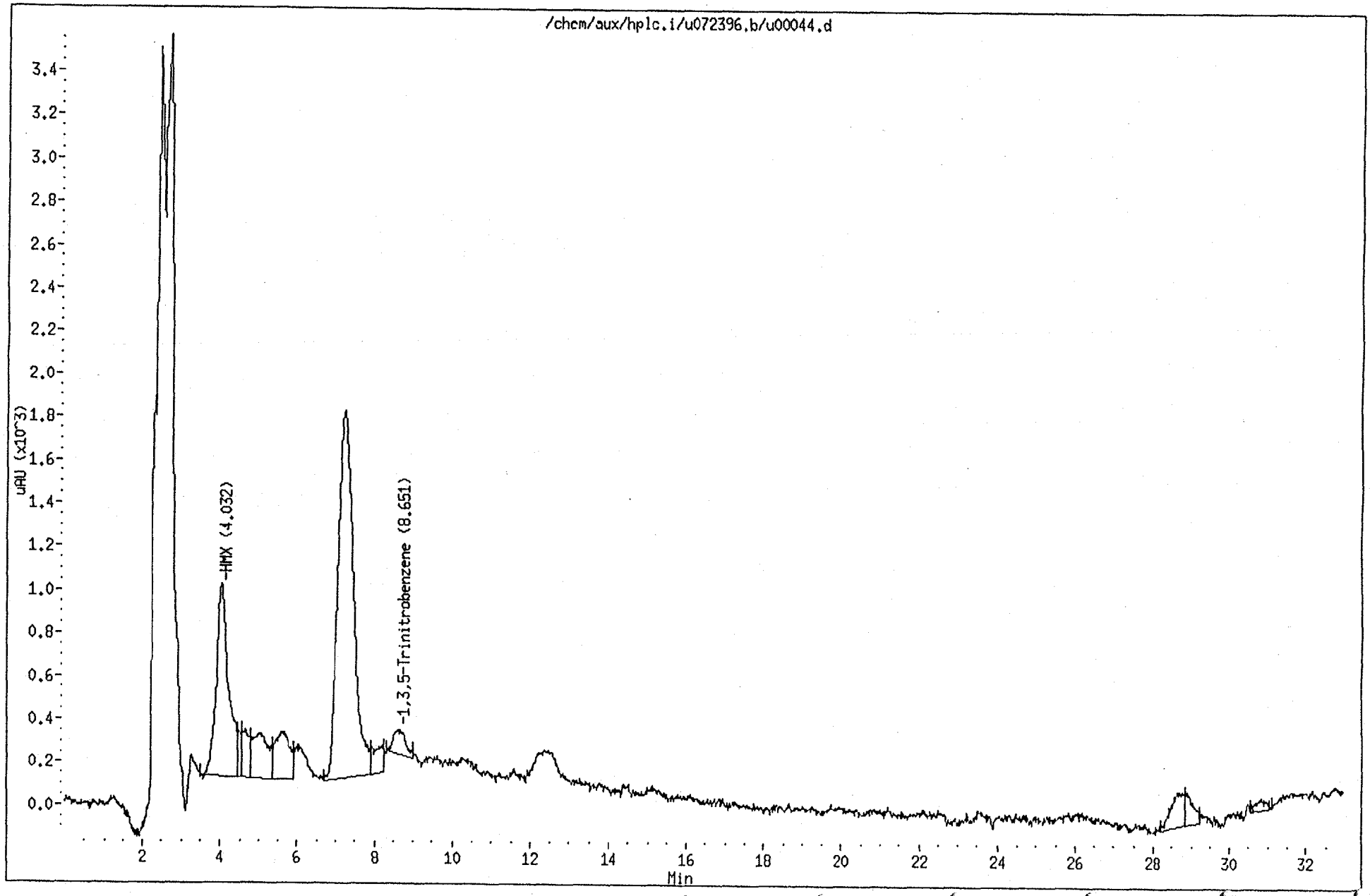
01021

Data File: /chem/aux/hplc.i/u072396.b/u00044.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-tf6

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00044.d
Report Date: 25-Jul-1996 07:34

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00044.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:00 0543
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-tf6
Misc Info : jp9906q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JCR 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	4.032	3.918	0.114	30112	0.211	~~0.211~~ RT
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	8.651	8.634	0.017	3679	0.008	0.008 (M) "J value"
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 01023

EPA SAMPLE NO.

SSA7-TF7

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9907Q

Sample wt/vol: 2.16 (g/mL) G Lab File ID: U00045

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	33	J
99-65-0	1,3-Dinitrobenzene	560	U
118-96-7	2,4,6-Trinitrotoluene	560	U
121-14-2	2,4-Dinitrotoluene	560	U
606-20-2	2,6-Dinitrotoluene	560	U
2691-41-0	HMX	560	U
98-95-3	Nitrobenzene	560	U
99-99-0	p-Nitrotoluene	560	U
121-82-4	RDX	560	U
99081	m-Nitrotoluene	560	U
88-72-2	o-Nitrotoluene	560	U
479-45-8	Tetryl	560	U

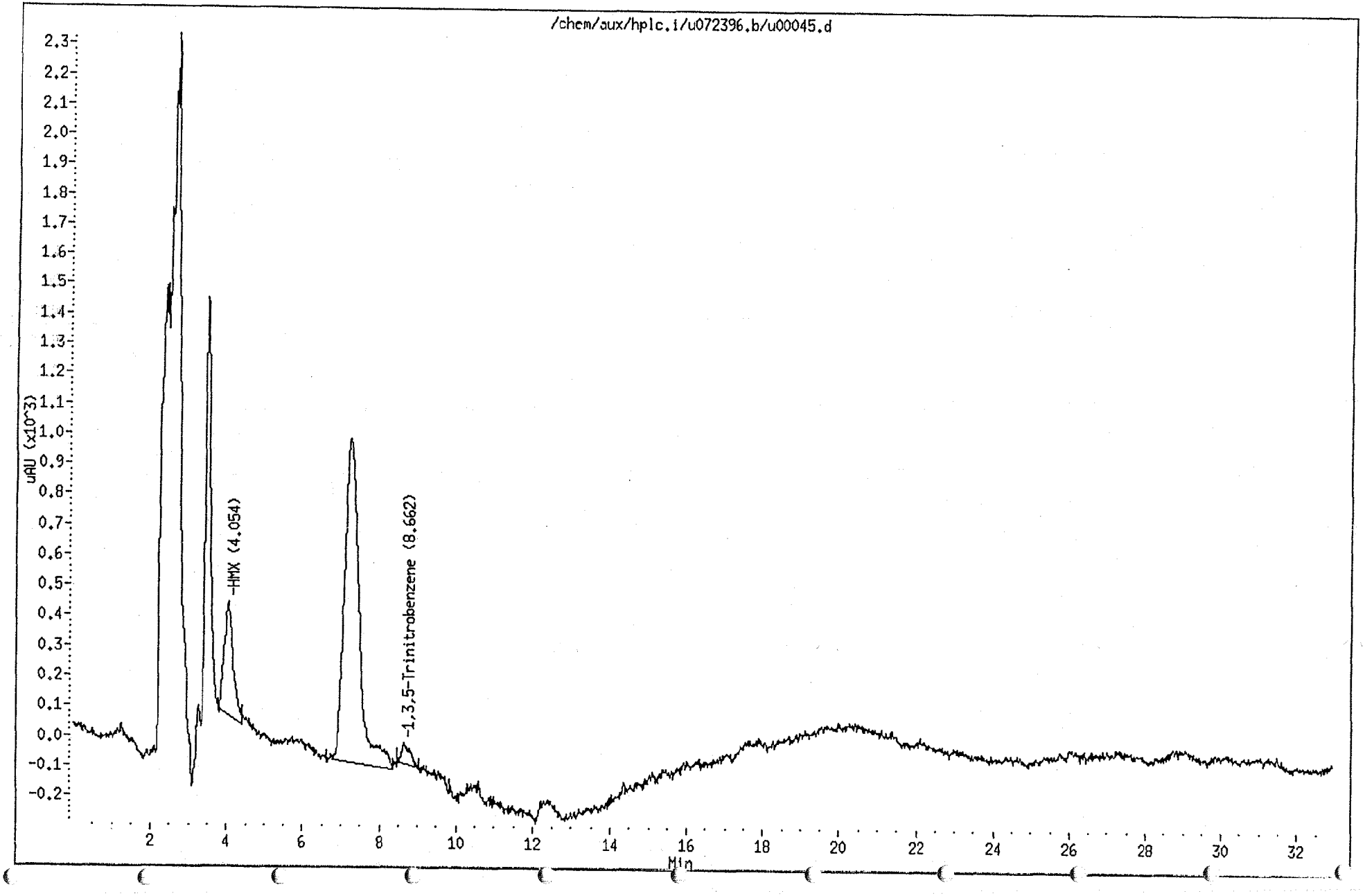
01024

Data File: /chem/aux/hplc.i/u072396.b/u00045.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-tf7

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00045.d
Report Date: 25-Jul-1996 07:34

OHM Analytical Division

gcl 7/25/96

Data file : /chem/aux/hplc.i/u072396.b/u00045.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:~~00~~ 0617
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-tf7
Misc Info : jp9907q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	4.054	3.918	0.136	9559	0.067	~~0.067~~ (M)
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	8.662	8.634	0.028	1670	0.003	0.003 (M)
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

RT "J" value

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 01026

EPA SAMPLE NO.

SSA7-W1

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9908Q

Sample wt/vol: 2.17 (g/mL) G Lab File ID: U00046

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	530	U
99-65-0	1,3-Dinitrobenzene	530	U
118-96-7	2,4,6-Trinitrotoluene	530	U
121-14-2	2,4-Dinitrotoluene	530	U
606-20-2	2,6-Dinitrotoluene	530	U
2691-41-0	HMX	530	U
98-95-3	Nitrobenzene	530	U
99-99-0	p-Nitrotoluene	530	U
121-82-4	RDX	530	U
99081	m-Nitrotoluene	530	U
88-72-2	o-Nitrotoluene	530	U
479-45-8	Tetryl	180	J

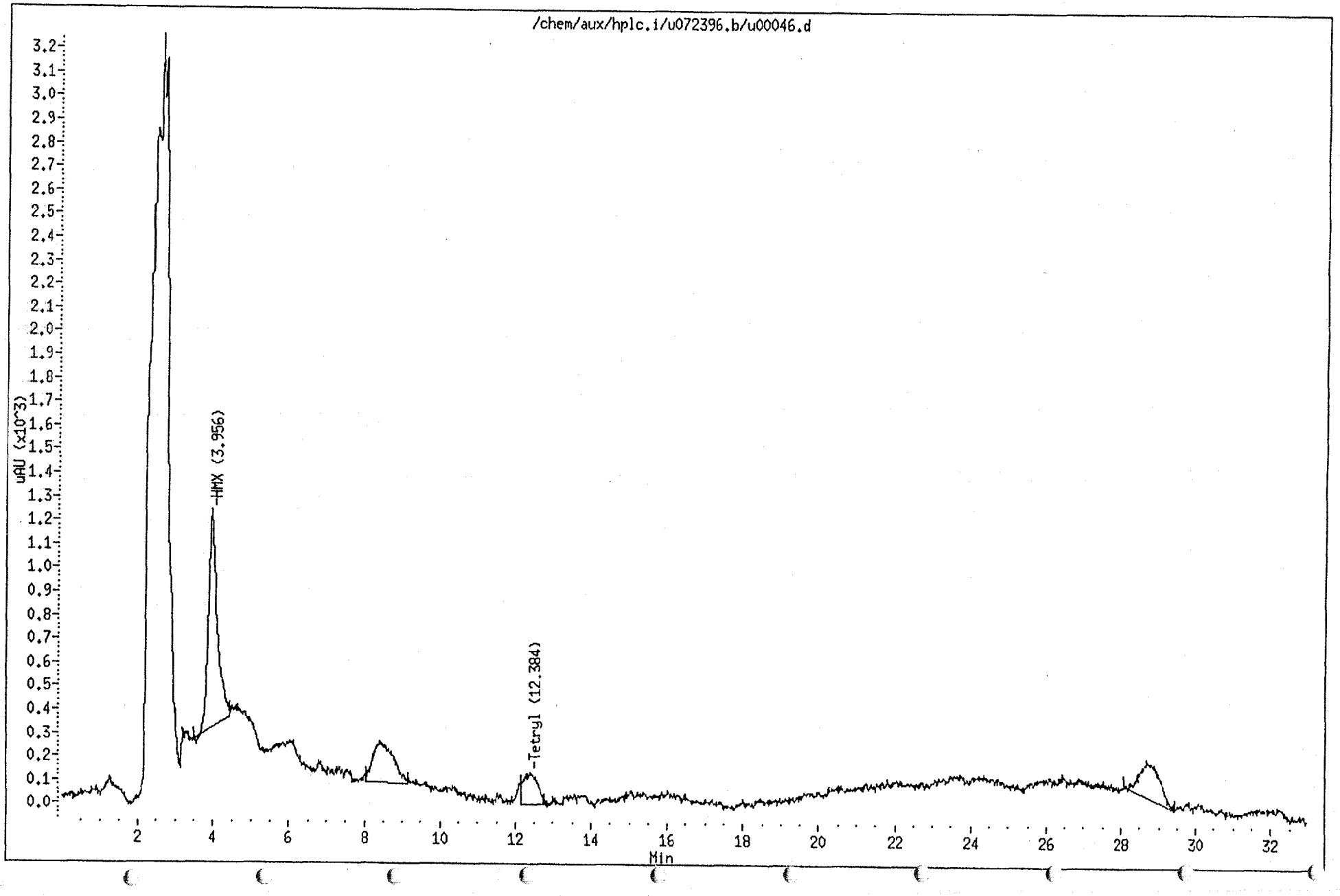
01027

Data File: /chem/aux/hplc.i/u072396.b/u00046.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-w1

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00046.d
Report Date: 25-Jul-1996 07:34

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00046.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:00 0651
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-w1
Misc Info : jp9908q,n2q61323,lc,125,1
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

ace 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.956	3.918	0.038	22779	0.160	~~0.160~~
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	12.384	12.357	0.027	5659	0.017	0.017
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

Not Confirmed

"J" Value

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 01029

EPA SAMPLE NO.

SSA7-W2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9909Q

Sample wt/vol: 2.42 (g/mL) G Lab File ID: U00047

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 10 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	460	U
99-65-0	1,3-Dinitrobenzene	460	U
118-96-7	2,4,6-Trinitrotoluene	460	U
121-14-2	2,4-Dinitrotoluene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
2691-41-0	HMX	460	U
98-95-3	Nitrobenzene	460	U
99-99-0	p-Nitrotoluene	460	U
121-82-4	RDX	460	U
99081	m-Nitrotoluene	460	U
88-72-2	o-Nitrotoluene	460	U
479-45-8	Tetryl	250	J

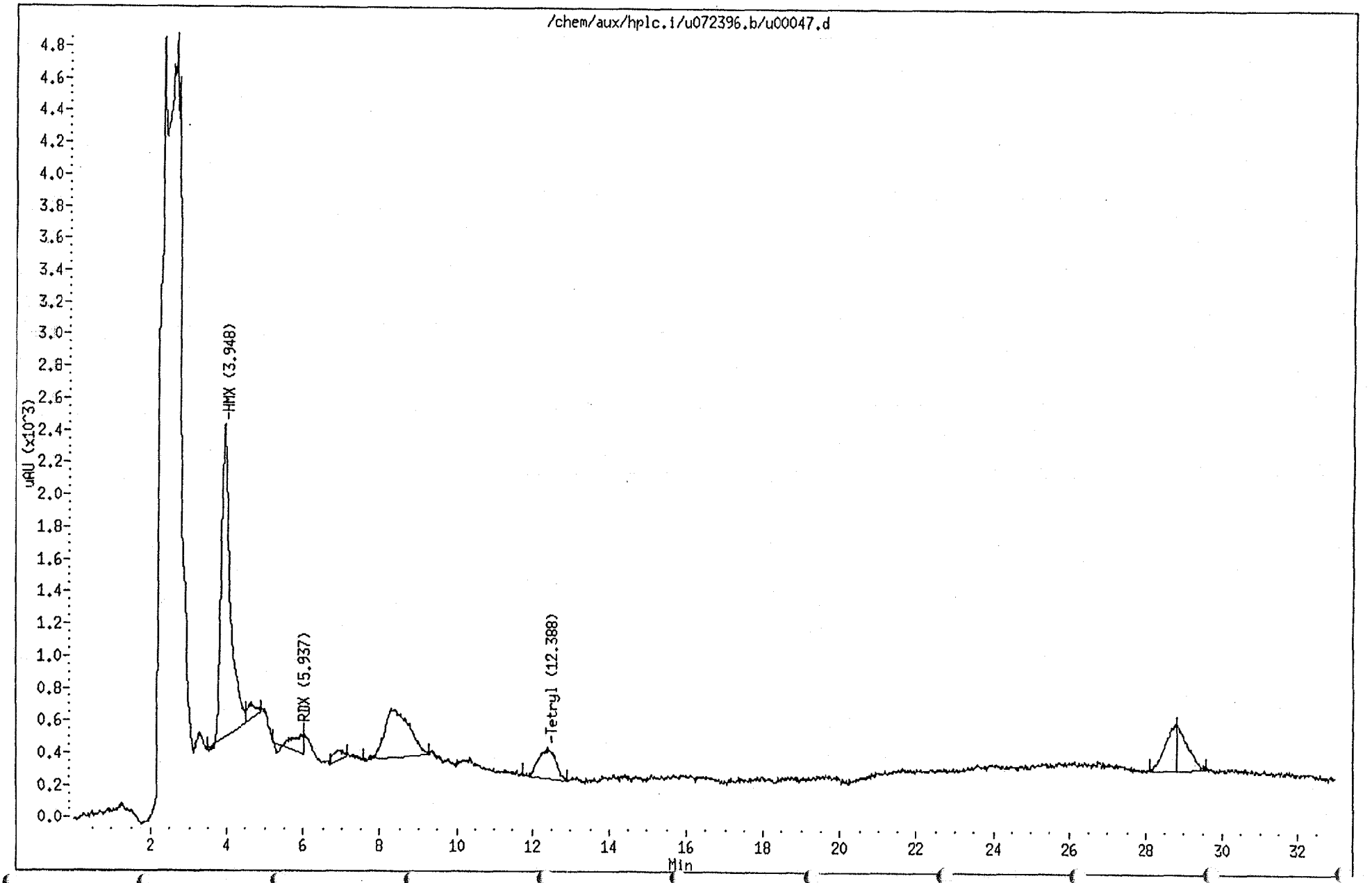
01030

Data File: /chem/aux/hplc.i/u072396.b/u00047.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-w2

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00047.d
Report Date: 25-Jul-1996 07:35

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00047.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:~~00~~ 0725
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-w2
Misc Info : jp9909q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JCL 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.948	3.918	0.030	49237	0.346	~~0.346~~
2 RDX	5.937	5.885	0.052	2729	0.014	~~0.014~~ RT
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	12.388	12.357	0.031	8918	0.027	0.027
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

Not Confirmed

"J" Value

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01032 EPA SAMPLE NO.

SSA7-W3

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9910Q

Sample wt/vol: 2.64 (g/mL) G Lab File ID: U00048

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 126 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	410	U
99-65-0	1,3-Dinitrobenzene	410	U
118-96-7	2,4,6-Trinitrotoluene	410	U
121-14-2	2,4-Dinitrotoluene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
2691-41-0	HMX	410	U
98-95-3	Nitrobenzene	410	U
99-99-0	p-Nitrotoluene	410	U
121-82-4	RDX	410	U
99081	m-Nitrotoluene	410	U
88-72-2	o-Nitrotoluene	410	U
479-45-8	Tetryl	410	U

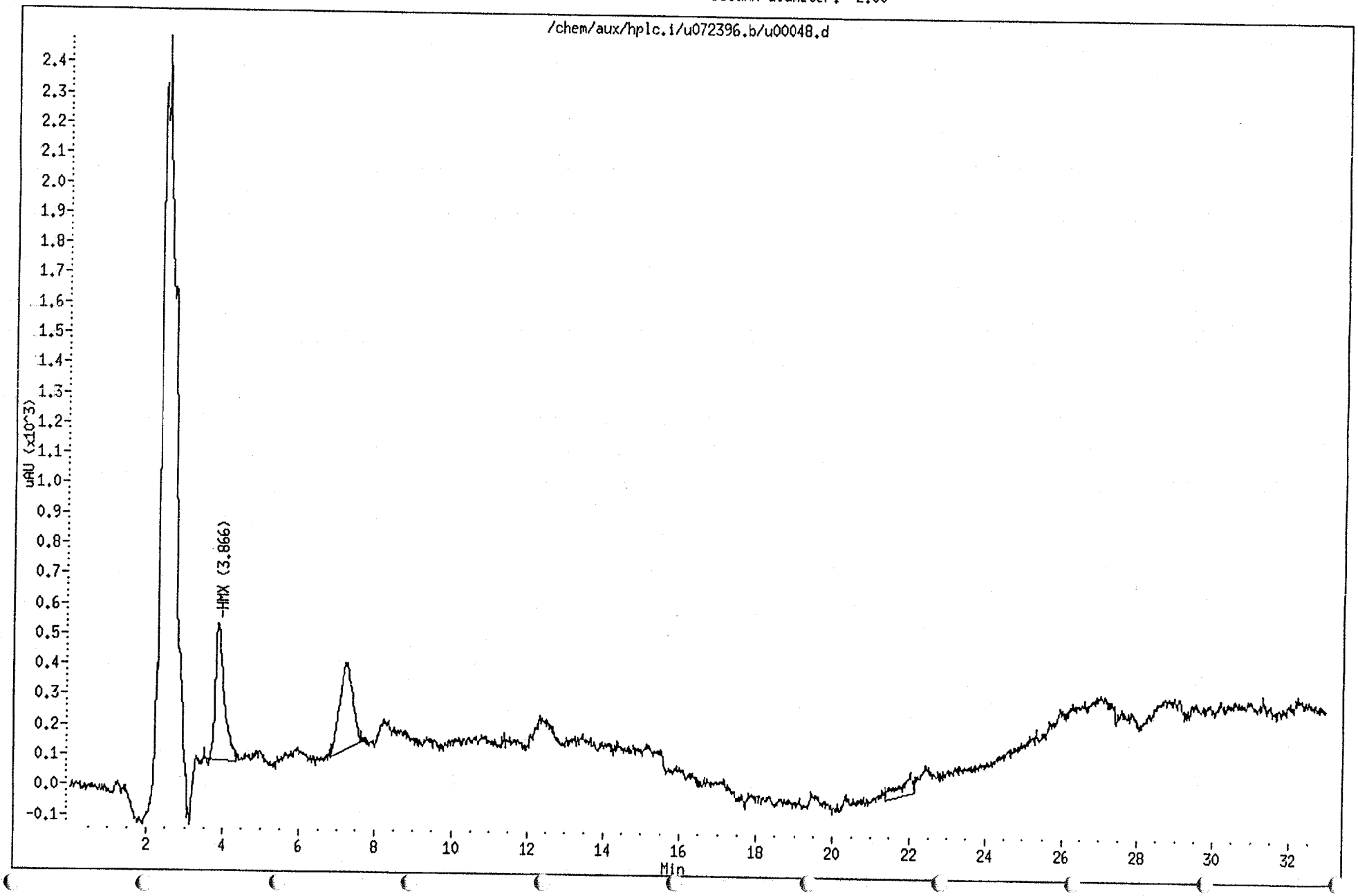
01033

Data File: /chem/aux/hplc.i/u072396.b/u00048.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-w3

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00048.d
Report Date: 25-Jul-1996 07:35

OHM Analytical Division

gd 7/25/96

Data file : /chem/aux/hplc.i/u072396.b/u00048.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 0758
Operator : jk
Smp Info : 18221n ssa7-w3
Misc Info : jp9910q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn
Cal Date : 23-JUL-1996 00:00
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie
Target Version: 3.10

Inst ID: hplc.i
Quant Type: ESTD
Cal File: u00021.d
Compound Sublist: all.sub

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.866	3.918	-0.052	11191	0.078	0.078
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

Not confirmed

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01035 EPA SAMPLE NO.

SSA7-W4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9911Q

Sample wt/vol: 2.91 (g/mL) G Lab File ID: U00049

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	93	J
99-65-0	1,3-Dinitrobenzene	390	U
118-96-7	2,4,6-Trinitrotoluene	390	U
121-14-2	2,4-Dinitrotoluene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
2691-41-0	HMX	390	U
98-95-3	Nitrobenzene	390	U
99-99-0	p-Nitrotoluene	390	U
121-82-4	RDX	390	U
99081	m-Nitrotoluene	390	U
88-72-2	o-Nitrotoluene	390	U
479-45-8	Tetryl	390	U

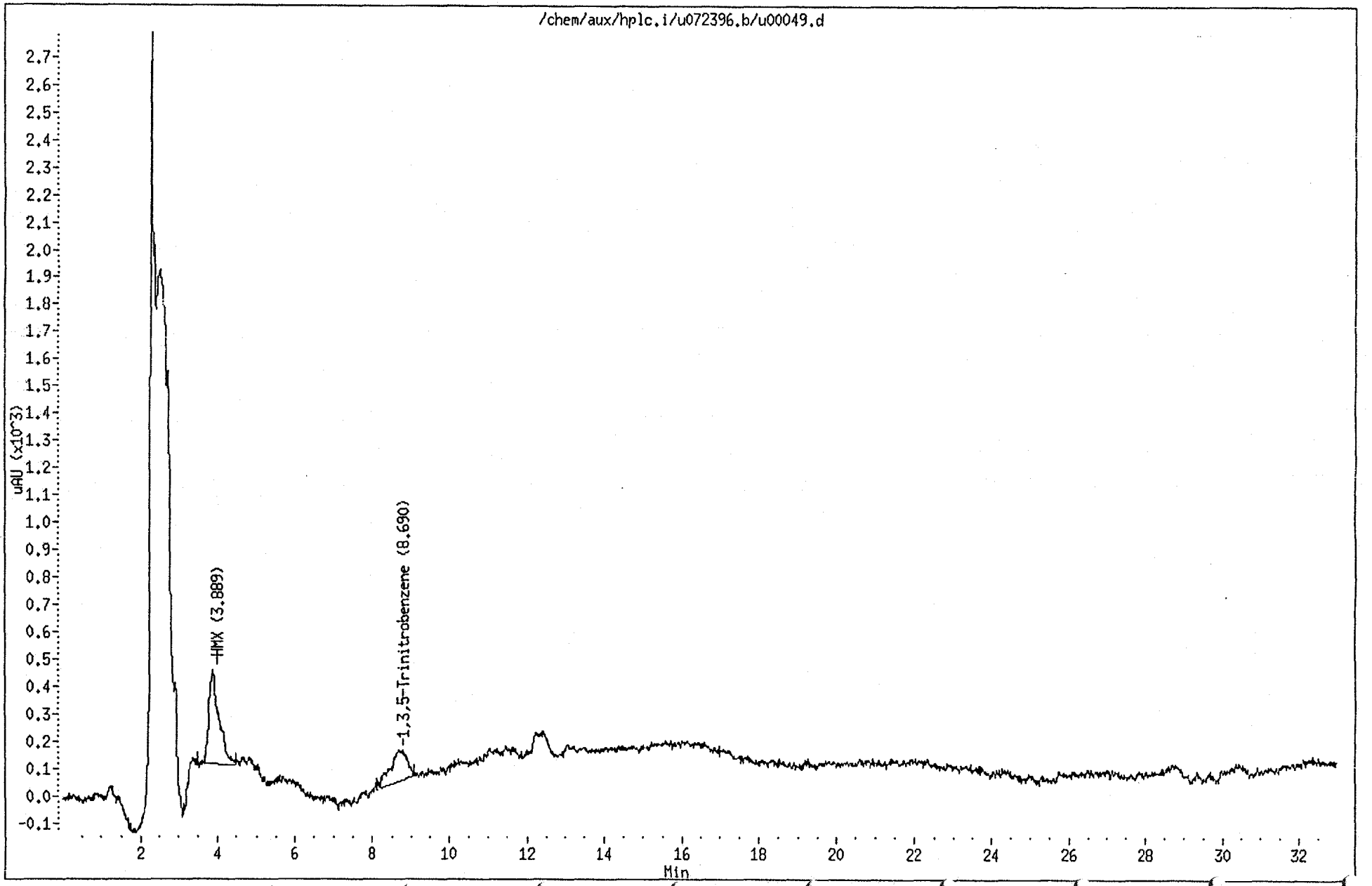
01036

Data File: /chem/aux/hplc.i/u072396.b/u00049.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-w4

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00049.d
Lab Smp Id:
Inj Date : 24-JUL-96 00:~~00~~ 0832
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-w4
Misc Info : jp9911q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JCR 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.889	3.918	-0.029	9326	0.065	0.065
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	8.690	8.634	0.056	5308	0.012	0.012
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

"J Value"

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01038 EPA SAMPLE NO.

SSA7-W6

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9913Q

Sample wt/vol: 2.69 (g/mL) G Lab File ID: U00053

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 20 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	470	U
99-65-0	1,3-Dinitrobenzene	470	U
118-96-7	2,4,6-Trinitrotoluene	470	U
121-14-2	2,4-Dinitrotoluene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
2691-41-0	HMX	470	U
98-95-3	Nitrobenzene	470	U
99-99-0	p-Nitrotoluene	470	U
121-82-4	RDX	470	U
99081	m-Nitrotoluene	470	U
88-72-2	o-Nitrotoluene	470	U
479-45-8	Tetryl	470	U

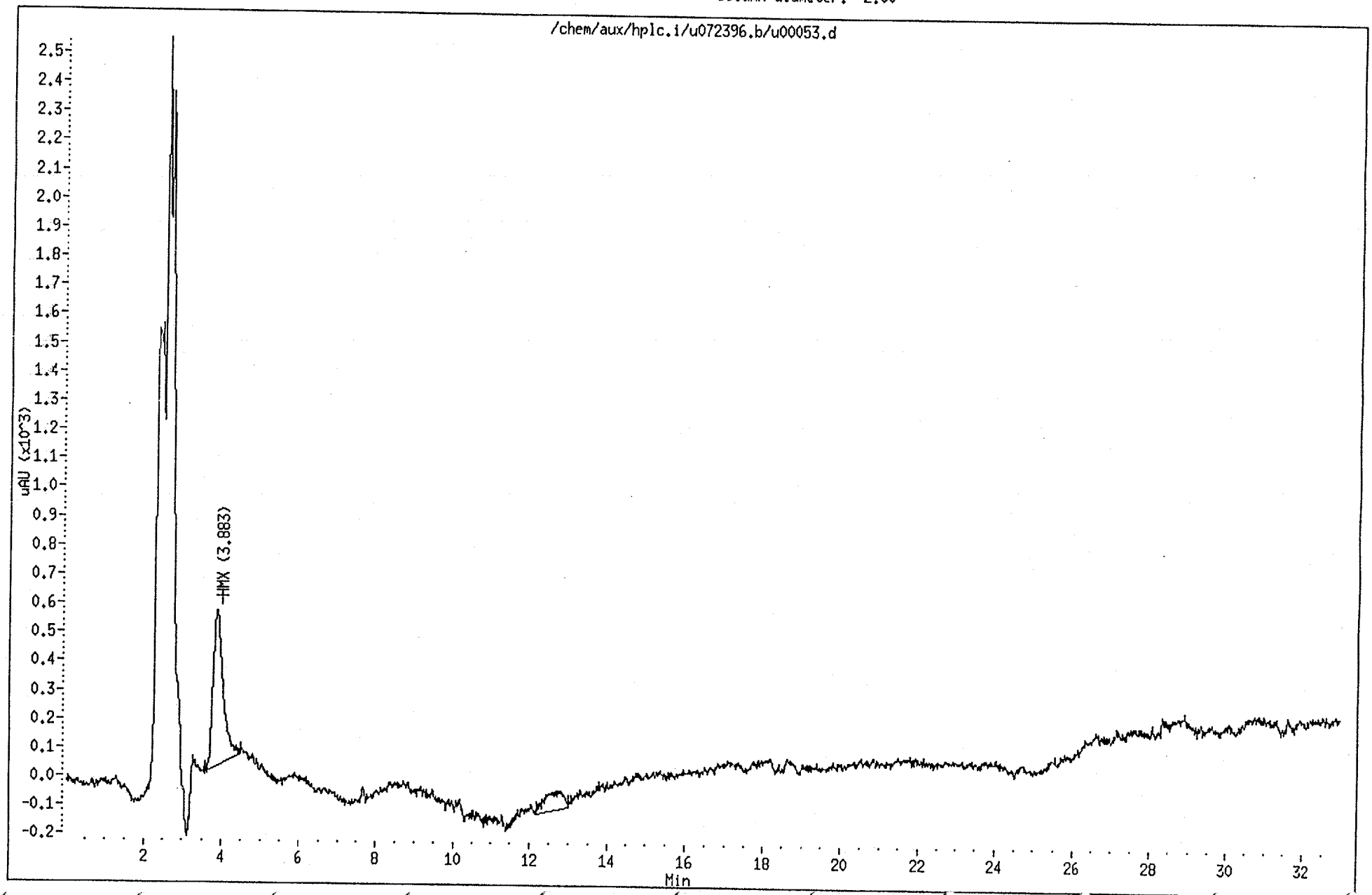
01039

Data File: /chem/aux/hplc.i/u072396.b/u00053.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-w6

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00053.d
Report Date: 25-Jul-1996 07:36

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00053.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 1047
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-w6
Misc Info : jp9913q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JOR 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.883	3.918	-0.035	14844	0.104	0.104
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

Not Confirmed

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01041 EPA SAMPLE NO.

SSA7-W7

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9914Q

Sample wt/vol: 2.16 (g/mL) G Lab File ID: U00054

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 15 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	200	J
99-65-0	1,3-Dinitrobenzene	540	U
118-96-7	2,4,6-Trinitrotoluene	540	U
121-14-2	2,4-Dinitrotoluene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
2691-41-0	HMX	540	U
98-95-3	Nitrobenzene	540	U
99-99-0	p-Nitrotoluene	540	U
121-82-4	RDX	540	U
99081	m-Nitrotoluene	540	U
88-72-2	o-Nitrotoluene	540	U
479-45-8	Tetryl	220	J

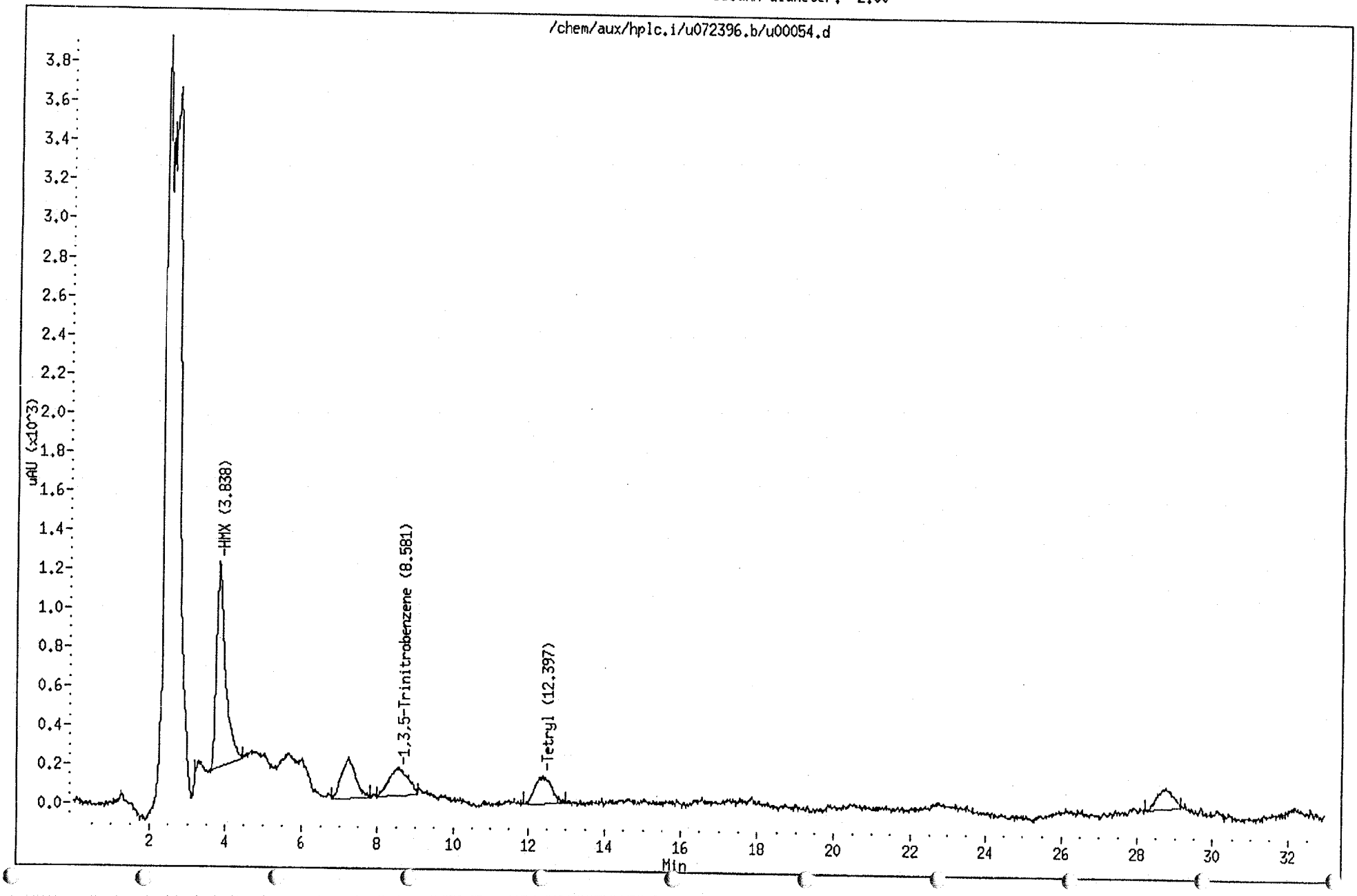
01042

Data File: /chem/aux/hplc.i/u072396.b/u00054.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-w7

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00054.d
Report Date: 25-Jul-1996 07:36

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00054.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 1121
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-w7
Misc Info : jp9914q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

gal 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.838	3.918	-0.080	25875	0.181	0.181
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	8.581	8.634	-0.053	7876	0.018	0.018
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	12.397	12.357	0.040	6640	0.020	0.020
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

Not Confirmed
"J Value"
"J Value"

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01044 EPA SAMPLE NO.

SSA7-W8

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9915Q

Sample wt/vol: 2.17 (g/mL) G Lab File ID: U00055

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	570	U
99-65-0	1,3-Dinitrobenzene	570	U
118-96-7	2,4,6-Trinitrotoluene	570	U
121-14-2	2,4-Dinitrotoluene	570	U
606-20-2	2,6-Dinitrotoluene	570	U
2691-41-0	HMX	3900	
98-95-3	Nitrobenzene	570	U
99-99-0	p-Nitrotoluene	570	U
121-82-4	RDX	570	U
99081	m-Nitrotoluene	570	U
88-72-2	o-Nitrotoluene	570	U
479-45-8	Tetryl	570	U

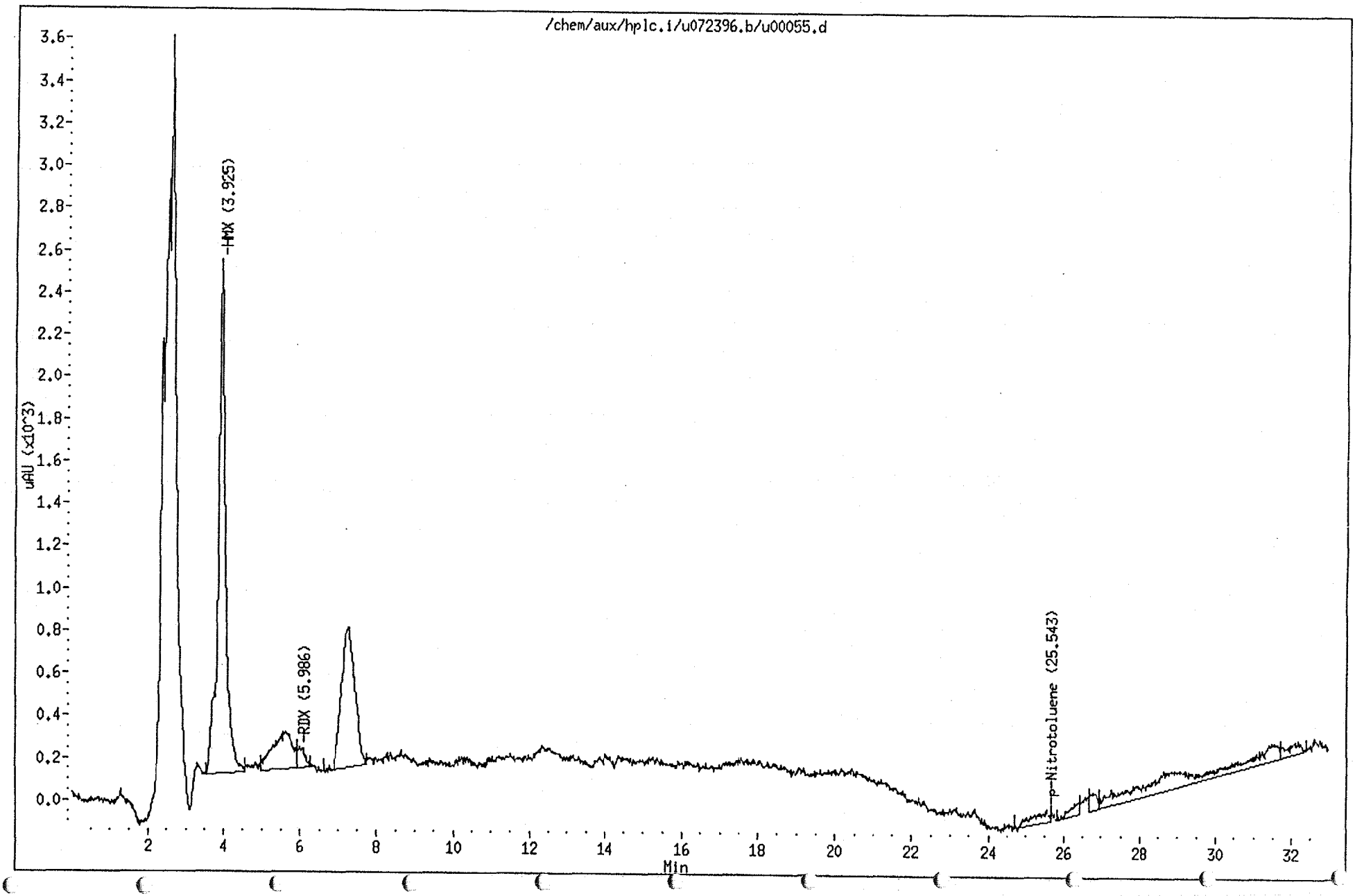
01045

Data File: /chem/aux/hplc.i/u072396.b/u00055.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-w8

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



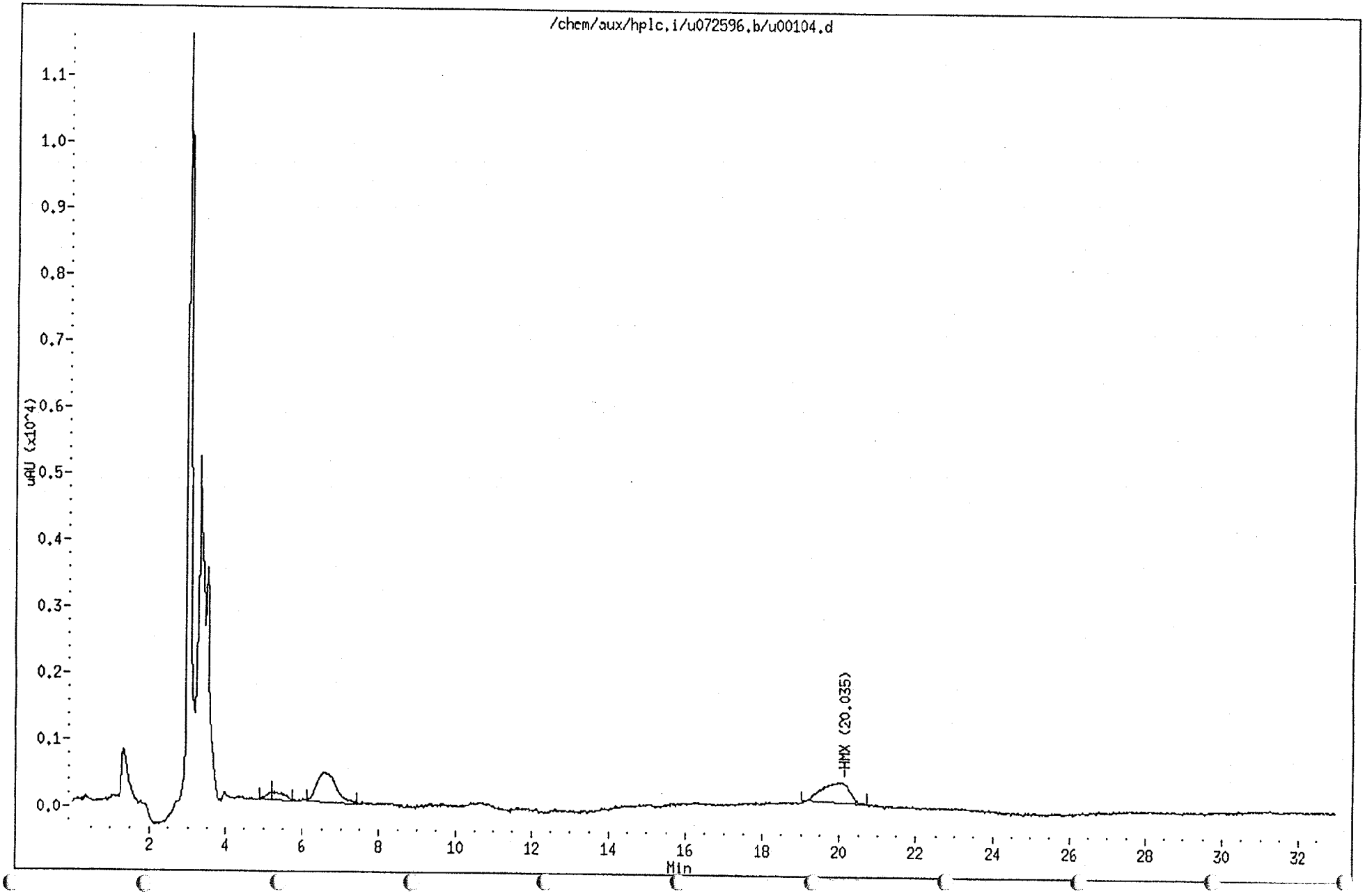
01046

Data File: /chem/aux/hplc.i/u072596.b/u00104.d
Date : 26-JUL-96 00:00
Client ID:
Sample Info: jp9915q

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00055.d
Report Date: 25-Jul-1996 07:36

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00055.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 1155
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-w8
Misc Info : jp9915q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

gwl 7/25-96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.925	3.918	0.007	48891	0.343	0.343
2 RDX	5.986	5.885	0.101	1987	0.010	~~0.010~~ RT
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	25.543	25.615	-0.072	2448	0.011	~~0.011~~ Not a Peak
13 m-Nitrotoluene	Compound Not Detected.					

Data File: /chem/aux/hplc.i/u072596.b/u00104.d
Report Date: 26-Jul-1996 09:36

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072596.b/u00104.d
Lab Smp Id:
Inj Date : 26-JUL-96 00:00 0656
Operator : jk Inst ID: hplc.i
Smp Info : jp9915q
Misc Info : jp9915q
Comment :
Method : /chem/aux/hplc.i/u072596.b/072596_lc_confirm.m
Meth Date : 26-Jul-1996 09:13 jeff Quant Type: ESTD
Cal Date : 25-JUL-96 00:00 Cal File: u00079.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

Jul 7/26/96

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
	1 Nitrobenzene	Compound Not Detected.					
	2 1,3-Dinitrobenzene	Compound Not Detected.					
	3 1,3,5-Trinitrobenzene	Compound Not Detected.					
	4 RDX	Compound Not Detected.					
M	5 o-Nitrotoluene	Compound Not Detected.					
M	6 m-Nitrotoluene	Compound Not Detected.					
M	7 p-Nitrotoluene	Compound Not Detected.					
	9 2,4-Dinitrotoluene	Compound Not Detected.					
	10 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
	11 2,4,6-Trinitrotoluene	Compound Not Detected.					
	12 HMX	20.035	20.031	0.004	23014	0.194	0.194 (M)
	13 Tetryl	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Report Date : 25-Jul-1996 07:51

OHM Analytical Division

INITIAL CALIBRATION DATA

gal 7/26/96

Start Cal Date : 23-JUL-96 00:00 1646
End Cal Date : 23-JUL-1996 00:00 1435
Quant Method : ESTD
Origin : Force
Target Version : 3.10
Integrator : HP Genie
Method file : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Cal Date : 25-Jul-1996 07:26 glenn
Curve Type : Average

Calibration File Names:
Level 1: /chem/aux/hplc.i/u072396.b/u00021.d
Level 2: /chem/aux/hplc.i/u072396.b/u00022.d
Level 3: /chem/aux/hplc.i/u072396.b/u00023.d
Level 4: /chem/aux/hplc.i/u072396.b/u00024.d
Level 5: /chem/aux/hplc.i/u072396.b/u00025.d
Level 6: /chem/aux/hplc.i/u072396.b/u00026.d

Compound	0.0500 Level 1	0.1000 Level 2	0.5000 Level 3	1 Level 4	2 Level 5	4 Level 6	___ RRF	% RSD
1 HMX	135240	155560	139254	141600	142472	139614	142300	4.896
2 RDX	230060	195940	190773	185639	185162	182058	194941	9.175
3 1,3,5-Trinitrobenzene	569680	384100	408043	409949	410540	402424	430790	15.960
4 1,3-Dinitrobenzene	569680	554120	583260	583870	579299	573715	573991	1.948
5 Tetryl	331020	298520	320040	327340	321708	319292	319653	3.538
6 Nitrobenzene	310893	306537	300765	298258	299515	296214	302030	1.843
7 2-Amino-4,6-dinitrotoluene	310893	306537	300765	298258	299515	296214	302030	1.843
8 2,4,6-Trinitrotoluene	418980	450580	400996	407143	410354	405823	415646	4.361
9 2,6-Dinitrotoluene	262940	252600	244128	244262	246004	244492	249071	3.019
10 2,4-Dinitrotoluene	547320	509090	526908	548561	548617	547300	537966	3.062
11 o-Nitrotoluene	270600	226520	237606	237450	230395	233746	239386	6.630
12 p-Nitrotoluene	242160	218220	197822	197066	195043	198508	208136	8.995
13 m-Nitrotoluene	314520	284820	252572	259627	252614	254567	269787	9.308

Report Date : 26-Jul-1996 09:11

OHM Analytical Division

INITIAL CALIBRATION DATA

Start Cal Date : 25-JUL-96 ~~00:00~~ 1509
End Cal Date : 25-JUL-96 ~~00:00~~ 1758
Quant Method : ESTD
Origin : Force
Target Version : 3.10
Integrator : HP Genie
Method file : /chem/aux/hplc.i/u072596.b/072596_lc_confirm.m
Cal Date : 26-Jul-1996 09:11 jeff
Curve Type : Average

JOL 7/26/96

Calibration File Names:
Level 1: /chem/aux/hplc.i/u072596.b/u00076.d
Level 2: /chem/aux/hplc.i/u072596.b/u00077.d
Level 3: /chem/aux/hplc.i/u072596.b/u00078.d
Level 4: /chem/aux/hplc.i/u072596.b/u00079.d
Level 5: /chem/aux/hplc.i/u072596.b/u00080.d
Level 6: /chem/aux/hplc.i/u072596.b/u00081.d

Confirmation Column = CN

	Compound	0.0500 Level 1	0.1000 Level 2	0.5000 Level 3	1 Level 4	2 Level 5	4 Level 6	___ RRF	% RSD	
	1 Nitrobenzene	380780	430720	331934	340221	350658	349912	364038	10.058	
	2 1,3-Dinitrobenzene	629800	659250	567256	577814	590241	581892	601042	5.943	
	3 1,3,5-Trinitrobenzene	549160	519810	410862	416972	421748	417486	456006	13.507	
	4 RDX	267195	250855	200276	204369	209221	207435	223225	12.709	
M	5 o-Nitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
M	6 m-Nitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
M	7 p-Nitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
	8 2,6-Dinitrotoluene	544120	504105	383700	390768	404075	399971	437791	15.629	
M	9 2,4-Dinitrotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
	10 2-Amino-4,6-dinitrotoluene	434240	361205	279858	274341	290934	290110	321781	19.735	
	11 2,4,6-Trinitrotoluene	373700	377860	287484	333598	322775	327102	337086	10.087	
	12 HMX	+++++	60180	101552	133566	143404	154390	118619	32.168	<-
	13 Tetryl	+++++	297410	214746	286092	294860	310888	280799	13.526	

o, m, p-NT co-elute w/ RDX
2,4-DNT co-elutes w/ 2,6-DNT

Data File: /chem/aux/hplc.i/u072396.b/u00039.d
Report Date: 25-Jul-1996 07:27

OHM Analytical Division

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hplc.i
Lab File ID: u00039.d
Analysis Type:
Lab Sample ID:
Quant Type: ESTD

Injection Date: 24-JUL-96 ~~00:00~~ 0254
Init. Calibration Date(s): 07/23/96 07/23/96
Init. Calibration Times: 00:00 00:00
Method File: /chem/aux/hplc.i/u072396.b/072396_lc_ex

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
1 HMX	142300.000	161641.000	0.010	13.6	15.0
2 RDX	194941.167	193846.000	0.010	0.6	15.0
3 1,3,5-Trinitrobenzene	430790.167	379519.000	0.010	11.9	15.0
4 1,3-Dinitrobenzene	573990.708	581920.000	0.010	1.4	15.0
5 Tetryl	319653.292	308797.000	0.010	3.4	15.0
6 Nitrobenzene	302030.375	302936.333	0.010	0.3	15.0
7 2-Amino-4,6-dinitrotoluene	302030.375	302936.333	0.010	0.3	15.0
8 2,4,6-Trinitrotoluene	415645.958	396341.000	0.010	4.6	15.0
9 2,6-Dinitrotoluene	249071.000	243853.000	0.010	2.1	15.0
10 2,4-Dinitrotoluene	537966.042	547242.000	0.010	1.7	15.0
11 o-Nitrotoluene	239386.250	236919.000	0.010	1.0	15.0
12 p-Nitrotoluene	208136.417	195834.000	0.010	5.9	15.0
13 m-Nitrotoluene	269786.708	251018.000	0.010	7.0	15.0

gel
7/26/96

Data File: /chem/aux/hplc.i/u072396.b/u00051.d
Report Date: 25-Jul-1996 07:28

OHM Analytical Division

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hplc.i
Lab File ID: u00051.d
Analysis Type:
Lab Sample ID:
Quant Type: ESTD

Injection Date: 24-JUL-96 ~~00:00~~ 0940
Init. Calibration Date(s): 07/23/96 07/23/96
Init. Calibration Times: 00:00 00:00
Method File: /chem/aux/hplc.i/u072396.b/072396_lc_ex

	COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D	
1	HMX	142300.000	164227.000	0.010	15.4	15.0	<- ok
2	RDX	194941.167	192160.000	0.010	1.4	15.0	
3	1,3,5-Trinitrobenzene	430790.167	378868.000	0.010	12.1	15.0	
4	1,3-Dinitrobenzene	573990.708	585699.000	0.010	2.0	15.0	
5	Tetryl	319653.292	313756.000	0.010	1.8	15.0	
6	Nitrobenzene	302030.375	305538.000	0.010	1.2	15.0	
7	2-Amino-4,6-dinitrotoluene	302030.375	305538.000	0.010	1.2	15.0	
8	2,4,6-Trinitrotoluene	415645.958	411498.000	0.010	1.0	15.0	
9	2,6-Dinitrotoluene	249071.000	249464.000	0.010	0.2	15.0	
10	2,4-Dinitrotoluene	537966.042	566535.000	0.010	5.3	15.0	
11	o-Nitrotoluene	239386.250	232936.000	0.010	2.7	15.0	
12	p-Nitrotoluene	208136.417	197979.000	0.010	4.9	15.0	
13	m-Nitrotoluene	269786.708	255052.000	0.010	5.5	15.0	

ok
7/26/96

Data File: /chem/aux/hplc.i/u072396.b/u00057.d
Report Date: 25-Jul-1996 07:28

OHM Analytical Division

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hplc.i
Lab File ID: u00057.d
Analysis Type:
Lab Sample ID:
Quant Type: ESTD

Injection Date: 24-JUL-96 00:00 1303
Init. Calibration Date(s): 07/23/96 07/23/96
Init. Calibration Times: 00:00 00:00
Method File: /chem/aux/hplc.i/u072396.b/072396_lc_ex

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D	
1 HMX	142300.000	163894.000	0.010	15.2	15.0	<-
2 RDX	194941.167	193263.000	0.010	0.9	15.0	
3 1,3,5-Trinitrobenzene	430790.167	368066.000	0.010	14.6	15.0	
4 1,3-Dinitrobenzene	573990.708	582409.000	0.010	1.5	15.0	
5 Tetryl	319653.292	300490.000	0.010	6.0	15.0	
6 Nitrobenzene	302030.375	300272.333	0.010	0.6	15.0	
7 2-Amino-4,6-dinitrotoluene	302030.375	300272.333	0.010	0.6	15.0	
8 2,4,6-Trinitrotoluene	415645.958	388951.000	0.010	6.4	15.0	
9 2,6-Dinitrotoluene	249071.000	245178.000	0.010	1.6	15.0	
10 2,4-Dinitrotoluene	537966.042	553140.000	0.010	2.8	15.0	
11 o-Nitrotoluene	239386.250	238273.000	0.010	0.5	15.0	
12 p-Nitrotoluene	208136.417	199406.000	0.010	4.2	15.0	
13 m-Nitrotoluene	269786.708	255361.000	0.010	5.3	15.0	

gal
7/26/96

Data File: /chem/aux/hplc.i/u072396.b/u00069.d
Report Date: 25-Jul-1996 09:13

OHM Analytical Division

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hplc.i
Lab File ID: u00069.d
Analysis Type:
Lab Sample ID:
Quant Type: ESTD

Injection Date: 24-JUL-96 ~~00:00~~ 2229
Init. Calibration Date(s): 07/23/96 07/23/96
Init. Calibration Times: 00:00 00:00
Method File: /chem/aux/hplc.i/u072396.b/072396_lc_ex

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D
1 HMX	142300.000	158337.000	0.010	11.3	15.0
2 RDX	194941.167	189244.000	0.010	2.9	15.0
3 1,3,5-Trinitrobenzene	430790.167	372270.000	0.010	13.6	15.0
4 1,3-Dinitrobenzene	573990.708	580821.000	0.010	1.2	15.0
5 Tetryl	319653.292	309757.000	0.010	3.1	15.0
6 Nitrobenzene	302030.375	302209.667	0.010	0.1	15.0
7 2-Amino-4,6-dinitrotoluene	302030.375	302209.913	0.010	0.1	15.0
8 2,4,6-Trinitrotoluene	415645.958	393614.000	0.010	5.3	15.0
9 2,6-Dinitrotoluene	249071.000	243780.000	0.010	0.1	15.0
10 2,4-Dinitrotoluene	537966.042	547775.000	0.010	1.8	15.0
11 o-Nitrotoluene	239386.250	246979.000	0.010	3.2	15.0
12 p-Nitrotoluene	208136.417	203568.000	0.010	2.2	15.0
13 m-Nitrotoluene	269786.708	258630.000	0.010	4.1	15.0

Jul
7/29/96
6

Data File: /chem/aux/hplc.i/u072596.b/u00090.d
Report Date: 26-Jul-1996 08:59

OHM Analytical Division

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hplc.i
Lab File ID: u00090.d
Analysis Type:
Lab Sample ID:
Quant Type: ESTD

Injection Date: 25-JUL-96 ~~00:00~~ 2302
Init. Calibration Date(s): 07/25/96 07/25/96
Init. Calibration Times: 00:00 00:00
Method File: /chem/aux/hplc.i/u072596.b/072596_lc_co

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D	
1 Nitrobenzene	364037.583	351653.239	0.010	3.4	15.0	
2 1,3-Dinitrobenzene	601042.167	593954.076	0.010	1.2	15.0	
3 1,3,5-Trinitrobenzene	456006.458	388966.998	0.010	14.7	15.0	
4 RDX	223225.354	208780.436	0.010	6.5	15.0	
5 Dinitrotoluenes	437790.646	402174.018	0.010	8.1	15.0	
6 2-Amino-4,6-dinitrotoluene	321781.375	288875.394	0.010	10.2	15.0	
7 2,4,6-Trinitrotoluene	337086.417	308634.000	0.010	8.4	15.0	
8 HMX	118618.550	148351.077	0.010	25.1	15.0	<-
9 Tetryl	280799.150	293696.000	0.010	4.6	15.0	

out high 25%

gel
7/26/96

Data File: /chem/aux/hplc.i/u072596.b/u00102.d
Report Date: 26-Jul-1996 09:00

OHM Analytical Division

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hplc.i
Lab File ID: u00102.d
Analysis Type:
Lab Sample ID:
Quant Type: ESTD

Injection Date: 26-JUL-96 ~~00:00~~ 0548
Init. Calibration Date(s): 07/25/96 07/25/96
Init. Calibration Times: 00:00 00:00
Method File: /chem/aux/hplc.i/u072596.b/072596_lc_co

COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D	
1 Nitrobenzene	364037.583	356473.282	0.010	2.1	15.0	
2 1,3-Dinitrobenzene	601042.167	598569.927	0.010	0.4	15.0	
3 1,3,5-Trinitrobenzene	456006.458	391556.006	0.010	14.1	15.0	
4 RDX	223225.354	210644.454	0.010	5.6	15.0	
5 Dinitrotoluenes	437790.646	416062.552	0.010	5.0	15.0	
6 2-Amino-4,6-dinitrotoluene	321781.375	299098.916	0.010	7.0	15.0	
7 2,4,6-Trinitrotoluene	337086.417	338010.328	0.010	0.3	15.0	
8 HMX	118518.550	175791.678	0.010	48.2	15.0	<-
9 Tetryl	280799.150	304613.692	0.010	8.5	15.0	

48% high.
gal
7/26/96

Data File: /chem/aux/hplc.i/u072596.b/u00109.d
Report Date: 26-Jul-1996 10:30

OHM Analytical Division

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: hplc.i
Lab File ID: u00109.d
Analysis Type:
Lab Sample ID:
Quant Type: ESTD

Injection Date: 26-JUL-96 ~~00:00~~ 0944
Init. Calibration Date(s): 07/25/96 07/25/96
Init. Calibration Times: 00:00 00:00
Method File: /chem/aux/hplc.i/u072596.b/072596_lc_co

	COMPOUND	RRF	RF1	MIN RRF	%D	MAX %D	
	1 Nitrobenzene	364000.000	349410.437	0.010	4.0	15.0	
	2 1,3-Dinitrobenzene	601000.000	590163.529	0.010	1.8	15.0	
	3 1,3,5-Trinitrobenzene	456000.000	384767.827	0.010	15.6	15.0	<-
	4 RDX	223200.000	210246.185	0.010	5.8	15.0	
M	5 o-Nitrotoluene	++++	++++	0.010	++++	15.0	<-
M	6 m-Nitrotoluene	++++	++++	0.010	++++	15.0	<-
M	7 p-Nitrotoluene	++++	840984.740	0.010	++++	15.0	<-
	8 2,6-Dinitrotoluene	437800.000	411809.681	0.010	5.9	15.0	
M	9 2,4-Dinitrotoluene	++++	823619.362	0.010	++++	15.0	<-
	10 2-Amino-4,6-dinitrotoluene	321800.000	267596.794	0.010	16.8	15.0	<-
	11 2,4,6-Trinitrotoluene	337100.000	308696.309	0.010	8.4	15.0	
	12 HMX	118600.000	160881.358	0.010	35.7	15.0	<-
	13 Tetryl	280799.150	296268.000	0.010	5.5	15.0	

9R
7/26/96

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 01058

EPA SAMPLE NO.

QBLK01 A

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: N2Q61323Q

Sample wt/vol: 2.00 (g/mL) G Lab File ID: U00028

Level: (low/med) _____ Date Received: _____

% Moisture: N/A decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/23/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	500	U
99-65-0	1,3-Dinitrobenzene	500	U
118-96-7	2,4,6-Trinitrotoluene	500	U
121-14-2	2,4-Dinitrotoluene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
2691-41-0	HMX	500	U
98-95-3	Nitrobenzene	500	U
99-99-0	p-Nitrotoluene	500	U
121-82-4	RDX	500	U
99081	m-Nitrotoluene	500	U
88-72-2	o-Nitrotoluene	500	U
479-45-8	Tetryl	500	U

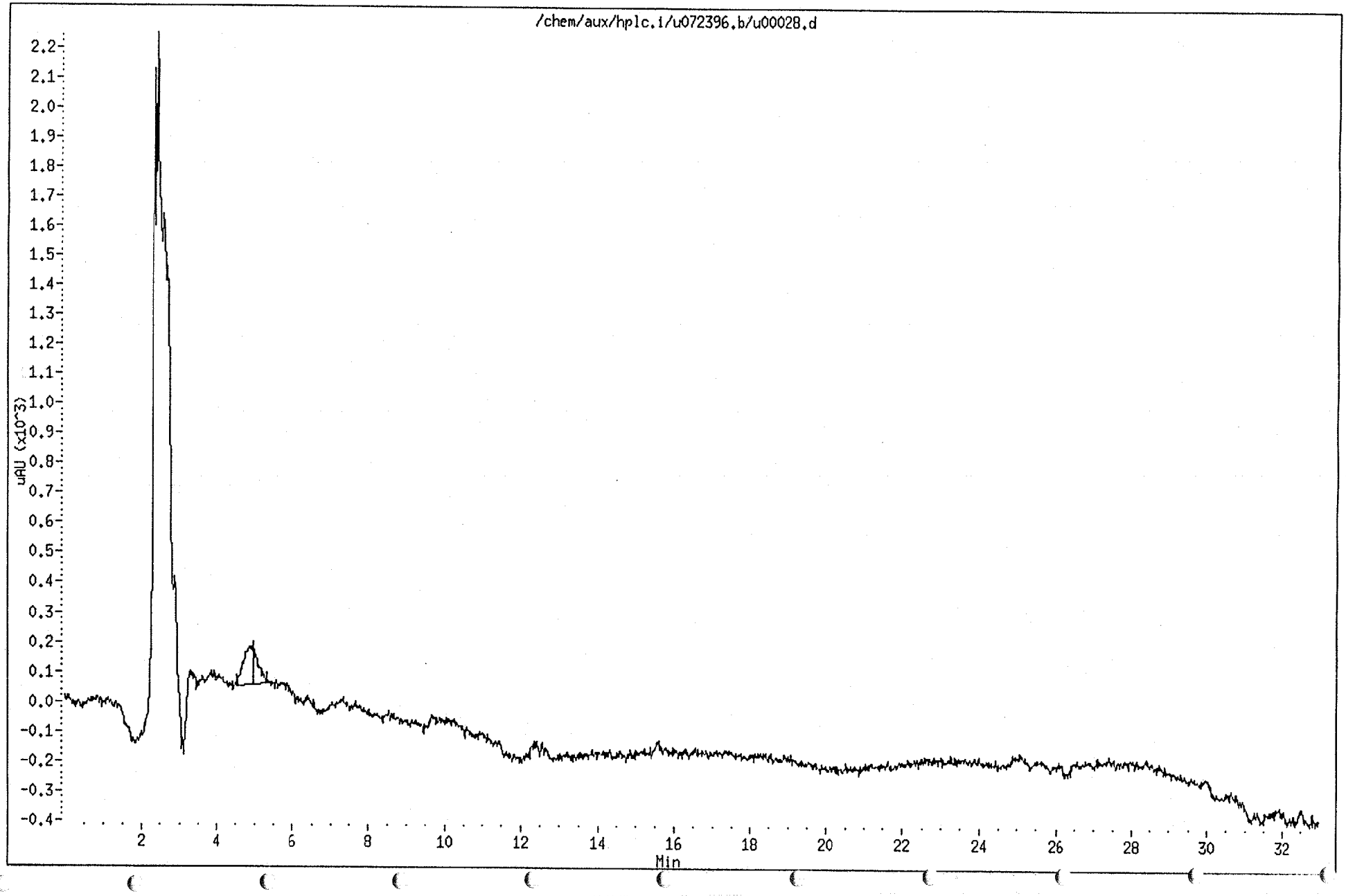
01059

Data File: /chem/aux/hplc.i/u072396.b/u00028.d
Date : 23-JUL-96 00:00
Client ID:
Sample Info: met blk n2q61323

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00028.d
Report Date: 25-Jul-1996 07:31

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00028.d
Lab Smp Id:
Inj Date : 23-JUL-96 00:00 2042
Operator : jk Inst ID: hplc.i
Smp Info : met blk n2q61323
Misc Info : n2q61323q,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

gel 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	Compound Not Detected.					
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

1B (GC) **01061** EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

QBLK01B

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: N2Q61324Q

Sample wt/vol: 2.00 (g/mL) G Lab File ID: U00058

Level: (low/med) _____ Date Received: _____

% Moisture: N/A decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	500	U
99-65-0	1,3-Dinitrobenzene	500	U
118-96-7	2,4,6-Trinitrotoluene	500	U
121-14-2	2,4-Dinitrotoluene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
2691-41-0	HMX	500	U
98-95-3	Nitrobenzene	500	U
99-99-0	p-Nitrotoluene	500	U
121-82-4	RDX	500	U
99081	m-Nitrotoluene	500	U
88-72-2	o-Nitrotoluene	500	U
479-45-8	Tetryl	500	U

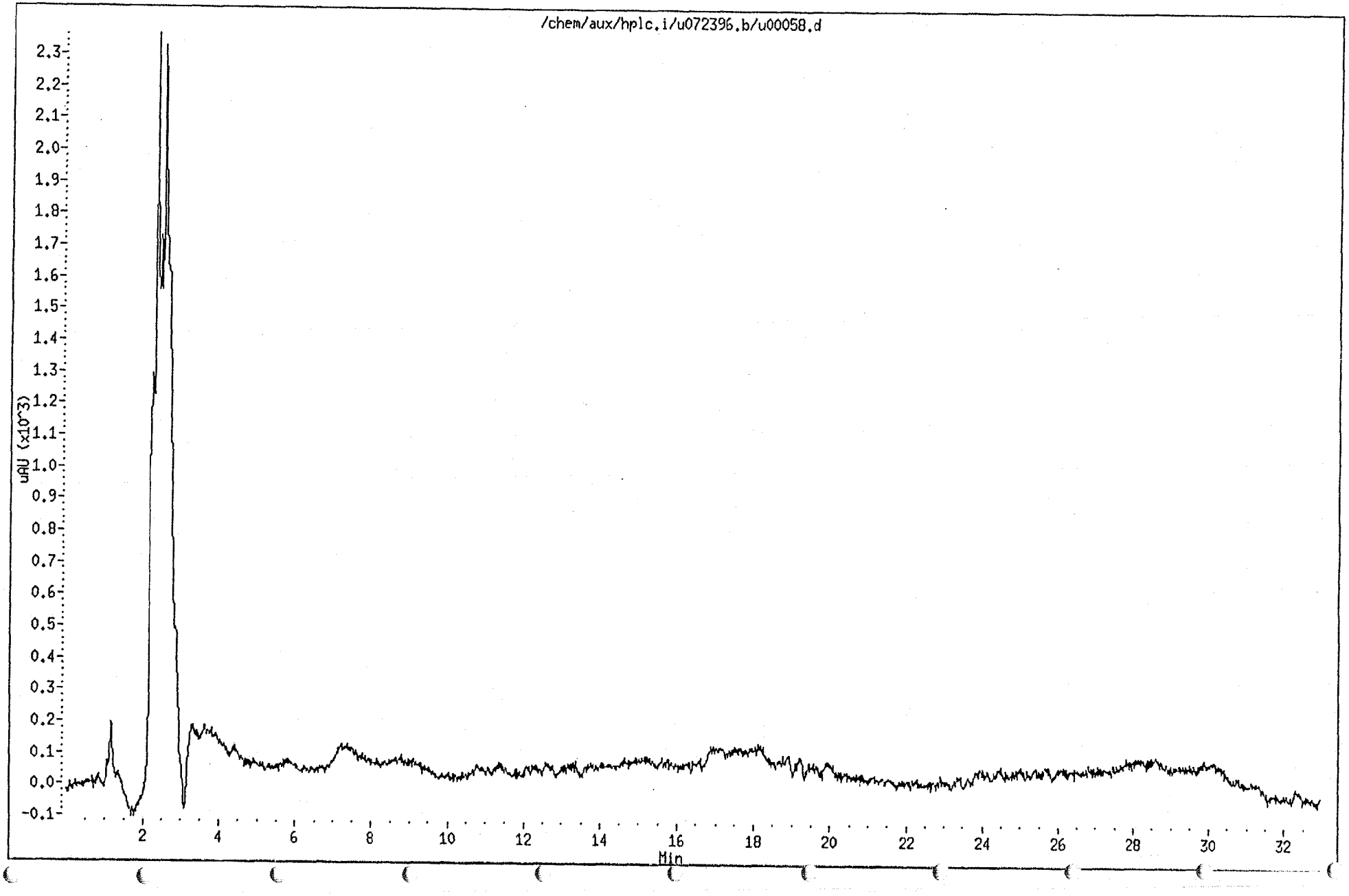
01062

Data File: /chem/aux/hplc.i/u072396.b/u00058.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: met blk n2q61324q

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00058.d
Report Date: 25-Jul-1996 08:05

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00058.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 1617
Operator : jk
Smp Info : met blk n2q61324q
Misc Info : n2q61324q,n2q61324,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 08:05
Cal Date : 23-JUL-1996 00:00
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie
Target Version: 3.10

Inst ID: hplc.i

Quant Type: ESTD
Cal File: u00021.d

Compound Sublist: all.sub

900
7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	Compound Not Detected.					
2 RDX	Compound Not Detected.					
3 1,3,5-Trinitrobenzene	Compound Not Detected.					
4 1,3-Dinitrobenzene	Compound Not Detected.					
5 Tetryl	Compound Not Detected.					
6 Nitrobenzene	Compound Not Detected.					
7 2-Amino-4,6-dinitrotoluene	Compound Not Detected.					
8 2,4,6-Trinitrotoluene	Compound Not Detected.					
9 2,6-Dinitrotoluene	Compound Not Detected.					
10 2,4-Dinitrotoluene	Compound Not Detected.					
11 o-Nitrotoluene	Compound Not Detected.					
12 p-Nitrotoluene	Compound Not Detected.					
13 m-Nitrotoluene	Compound Not Detected.					

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01064 EPA SAMPLE NO.

DUP-001MS

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9916QS

Sample wt/vol: 2.05 (g/mL) G Lab File ID: U00060

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

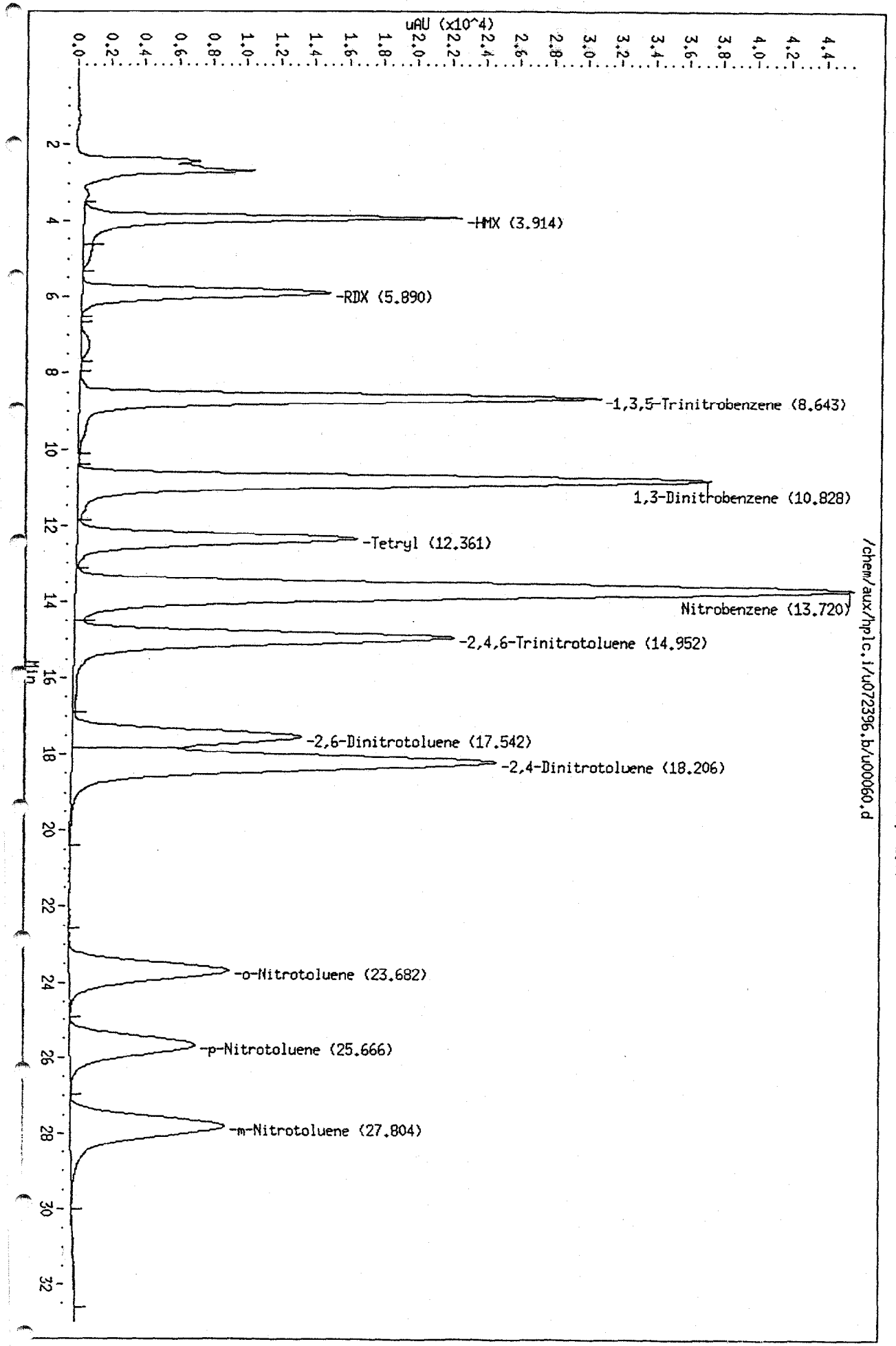
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	25000	
99-65-0	1,3-Dinitrobenzene	28000	
118-96-7	2,4,6-Trinitrotoluene	27000	
121-14-2	2,4-Dinitrotoluene	28000	
606-20-2	2,6-Dinitrotoluene	28000	
2691-41-0	HMX	39000	
98-95-3	Nitrobenzene	81000	
99-99-0	p-Nitrotoluene	26000	
121-82-4	RDX	26000	
99081	m-Nitrotoluene	27000	
88-72-2	o-Nitrotoluene	27000	
479-45-8	Tetryl	22000	

Data File: /chem/aux/hplc.i/u072396.b/u00060.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n dup-001 ms

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00060.d
Report Date: 25-Jul-1996 09:16

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00060.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 1725
Operator : jk Inst ID: hplc.i
Smp Info : 18221n dup-001 ms
Misc Info : jp9916qs,n2q61324,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 08:06 Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

gcl 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/ml)
1 HMX	3.914	3.918	-0.004	435103	3.057	3.057
2 RDX	5.890	5.885	0.005	396675	2.034	2.034
3 1,3,5-Trinitrobenzene	8.643	8.634	0.009	848514	1.969	1.969
4 1,3-Dinitrobenzene	10.828	10.810	0.018	1243725	2.166	2.166
5 Tetryl	12.361	12.357	0.004	561633	1.757	1.757
6 Nitrobenzene	13.720	13.724	-0.004	1920198	6.357	6.357
7 2-Amino-4,6-dinitrotoluene	13.720	13.675	0.045	1920198	6.357	6.357(M)
8 2,4,6-Trinitrotoluene	14.952	14.932	0.020	868427	2.089	2.089
9 2,6-Dinitrotoluene	17.542	17.511	0.031	540491	2.170	2.170
10 2,4-Dinitrotoluene	18.206	18.166	0.040	1179673	2.192	2.192
11 o-Nitrotoluene	23.682	23.635	0.047	503540	2.103	2.103
12 p-Nitrotoluene	25.666	25.615	0.051	419665	2.016	2.016
13 m-Nitrotoluene	27.804	27.755	0.049	572607	2.122	2.122

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01067 EPA SAMPLE NO.

SSA7-W3MS

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9910QS

Sample wt/vol: 2.27 (g/mL) G Lab File ID: U00030

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/23/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	19000	
99-65-0	1,3-Dinitrobenzene	21000	
118-96-7	2,4,6-Trinitrotoluene	20000	
121-14-2	2,4-Dinitrotoluene	22000	
606-20-2	2,6-Dinitrotoluene	21000	
2691-41-0	HMX	24000	
98-95-3	Nitrobenzene	63000	
99-99-0	p-Nitrotoluene	21000	
121-82-4	RDX	20000	
99081	m-Nitrotoluene	21000	
88-72-2	o-Nitrotoluene	21000	
479-45-8	Tetryl	21000	

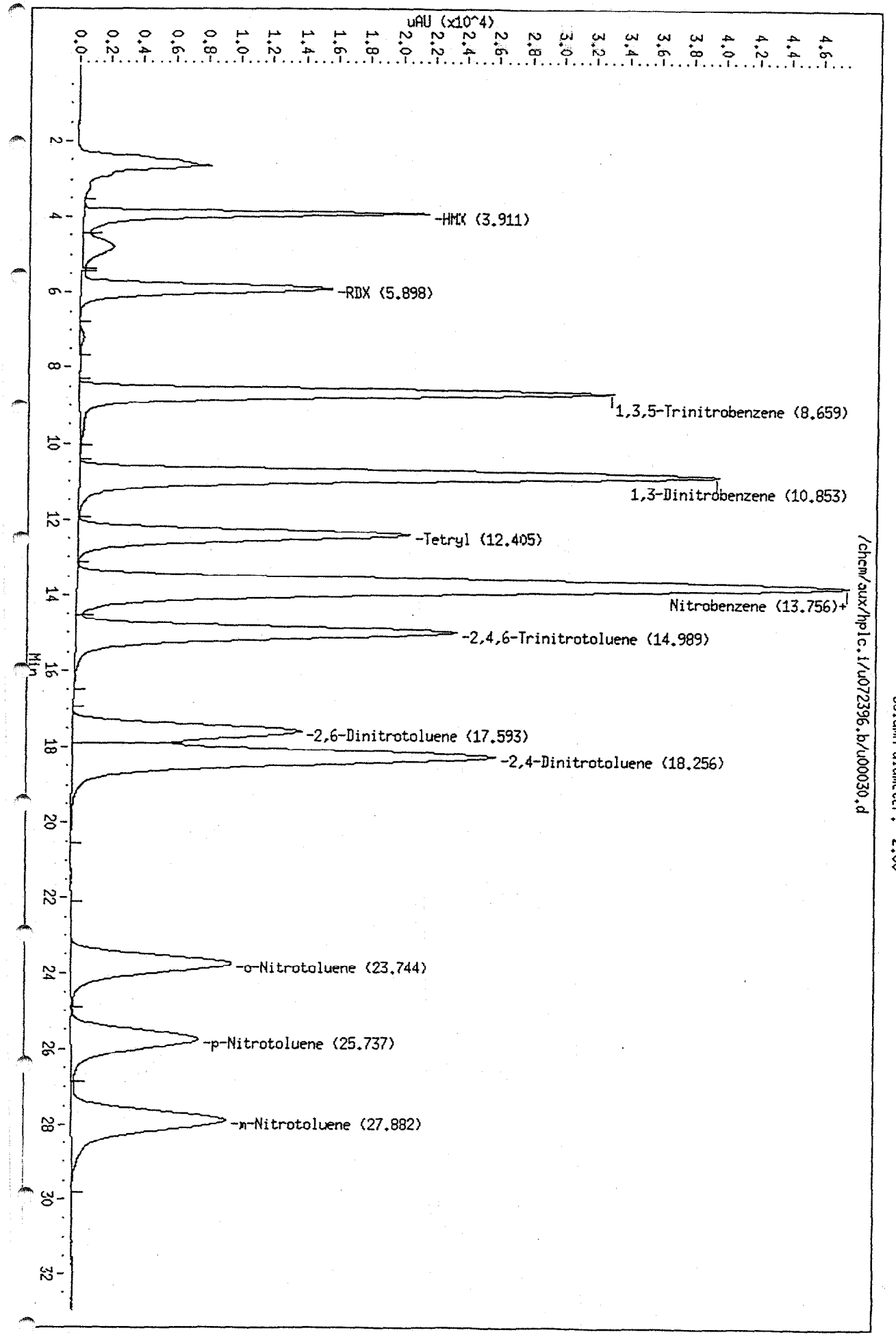
01068

Data File: /chem/aux/hplc.i/u072396.b/u00030.d
Date : 23-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-w3 ms

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00030.d
Lab Smp Id:
Inj Date : 23-JUL-96 ~~00:00~~ 2150
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-w3 ms
Misc Info : jp9910qs,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

90
7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.911	3.918	-0.007	361681	2.541	2.541
2 RDX	5.898	5.885	0.013	414342	2.125	2.125
3 1,3,5-Trinitrobenzene	8.659	8.634	0.025	868886	2.017	2.017
4 1,3-Dinitrobenzene	10.853	10.810	0.043	1265785	2.205	2.205
5 Tetryl	12.405	12.357	0.048	700001	2.189	2.189
6 Nitrobenzene	13.756	13.724	0.032	1968296	6.516	6.516
7 2-Amino-4,6-dinitrotoluene	13.756	13.728	0.028	1968296	6.516	6.516 (M)
8 2,4,6-Trinitrotoluene	14.989	14.932	0.057	875608	2.106	2.106
9 2,6-Dinitrotoluene	17.593	17.511	0.082	552039	2.216	2.216
10 2,4-Dinitrotoluene	18.256	18.166	0.090	1205573	2.241	2.241
11 o-Nitrotoluene	23.744	23.635	0.109	526272	2.198	2.198
12 p-Nitrotoluene	25.737	25.615	0.122	449569	2.160	2.160
13 m-Nitrotoluene	27.882	27.755	0.127	600793	2.226	2.226

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 01070

EPA SAMPLE NO.

DUP-001MSD

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9916QR

Sample wt/vol: 2.08 (g/mL) G Lab File ID: U00061

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	24000	
99-65-0	1,3-Dinitrobenzene	27000	
118-96-7	2,4,6-Trinitrotoluene	26000	
121-14-2	2,4-Dinitrotoluene	28000	
606-20-2	2,6-Dinitrotoluene	27000	
2691-41-0	HMX	30000	
98-95-3	Nitrobenzene	80000	
99-99-0	p-Nitrotoluene	27000	
121-82-4	RDX	25000	
99081	m-Nitrotoluene	27000	
88-72-2	o-Nitrotoluene	27000	
479-45-8	Tetryl	22000	

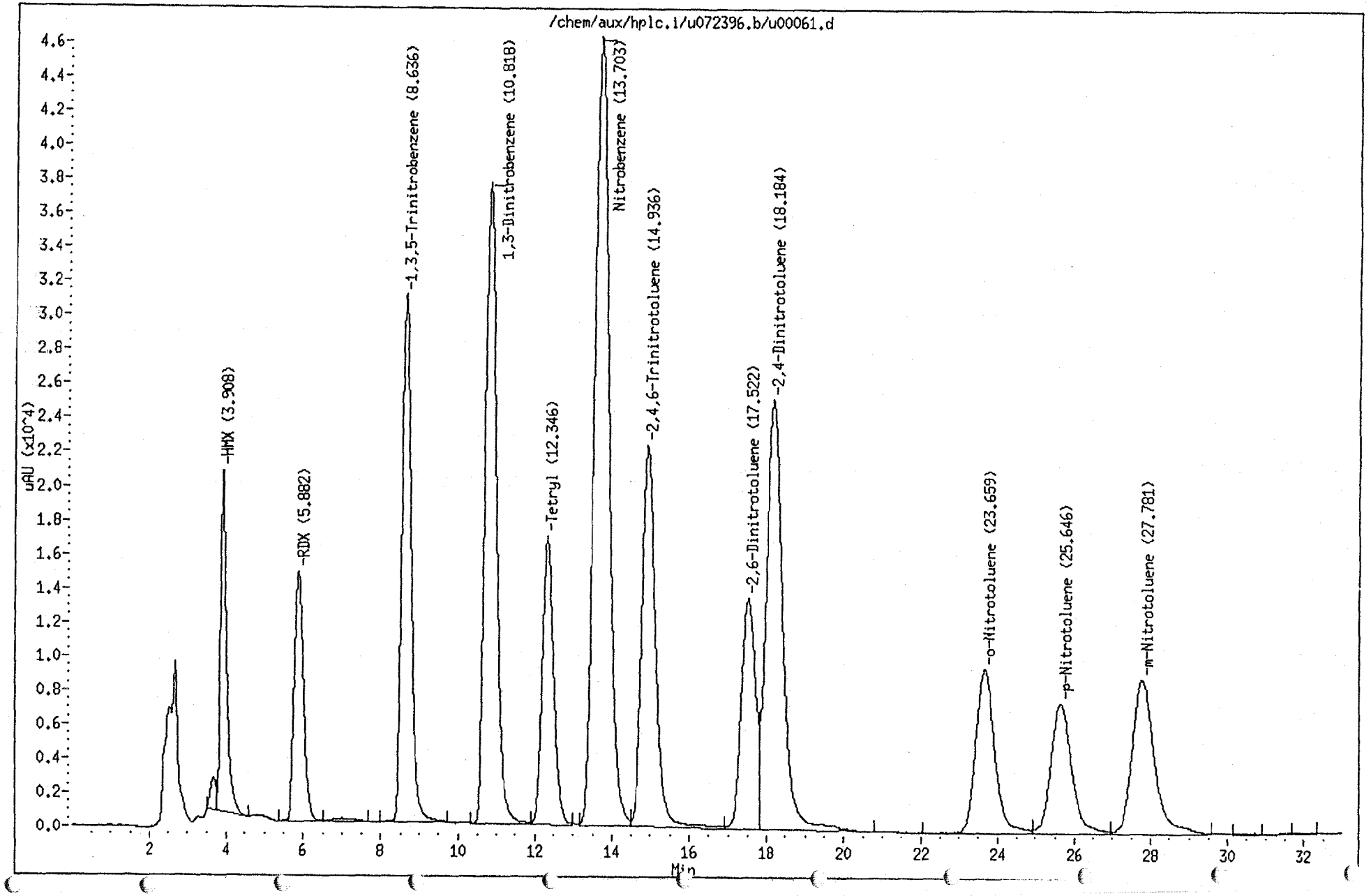
01071

Data File: /chem/aux/hplc.i/u072396.b/u00061.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: 18221n dup-001 msd

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00061.d
Report Date: 25-Jul-1996 09:17

OHM Analytical Division

7/25/96

Data file : /chem/aux/hplc.i/u072396.b/u00061.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 1759
Operator : jk Inst ID: hplc.i
Smp Info : 18221n dup-001 msd
Misc Info : jp9916qr,n2q61324,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 08:06 Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.908	3.918	-0.010	340567	2.393	2.393
2 RDX	5.882	5.885	-0.003	388842	1.994	1.994
3 1,3,5-Trinitrobenzene	8.636	8.634	0.002	817653	1.898	1.898
4 1,3-Dinitrobenzene	10.818	10.810	0.008	1223188	2.131	2.131
5 Tetryl	12.346	12.357	-0.011	562087	1.758	1.758
6 Nitrobenzene	13.703	13.724	-0.021	1910799	6.326	6.326
7 2-Amino-4,6-dinitrotoluene	13.703	13.675	0.028	1910799	6.326	6.326 (M)
8 2,4,6-Trinitrotoluene	14.936	14.932	0.004	850704	2.046	2.046
9 2,6-Dinitrotoluene	17.522	17.511	0.011	537441	2.157	2.157
10 2,4-Dinitrotoluene	18.184	18.166	0.018	1211504	2.252	2.252
11 o-Nitrotoluene	23.659	23.635	0.024	517727	2.162	2.162
12 p-Nitrotoluene	25.646	25.615	0.031	439620	2.112	2.112
13 m-Nitrotoluene	27.781	27.755	0.026	570798	2.115	2.115

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01073

EPA SAMPLE NO.

SSA7-W3MSD

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: JP9910QR

Sample wt/vol: 2.17 (g/mL) G Lab File ID: U00031

Level: (low/med) _____ Date Received: 06/24/96

% Moisture: 8 decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/23/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	19000	
99-65-0	1,3-Dinitrobenzene	22000	
118-96-7	2,4,6-Trinitrotoluene	21000	
121-14-2	2,4-Dinitrotoluene	22000	
606-20-2	2,6-Dinitrotoluene	22000	
2691-41-0	HMX	25000	
98-95-3	Nitrobenzene	63000	
99-99-0	p-Nitrotoluene	22000	
121-82-4	RDX	21000	
99081	m-Nitrotoluene	22000	
88-72-2	o-Nitrotoluene	22000	
479-45-8	Tetryl	22000	

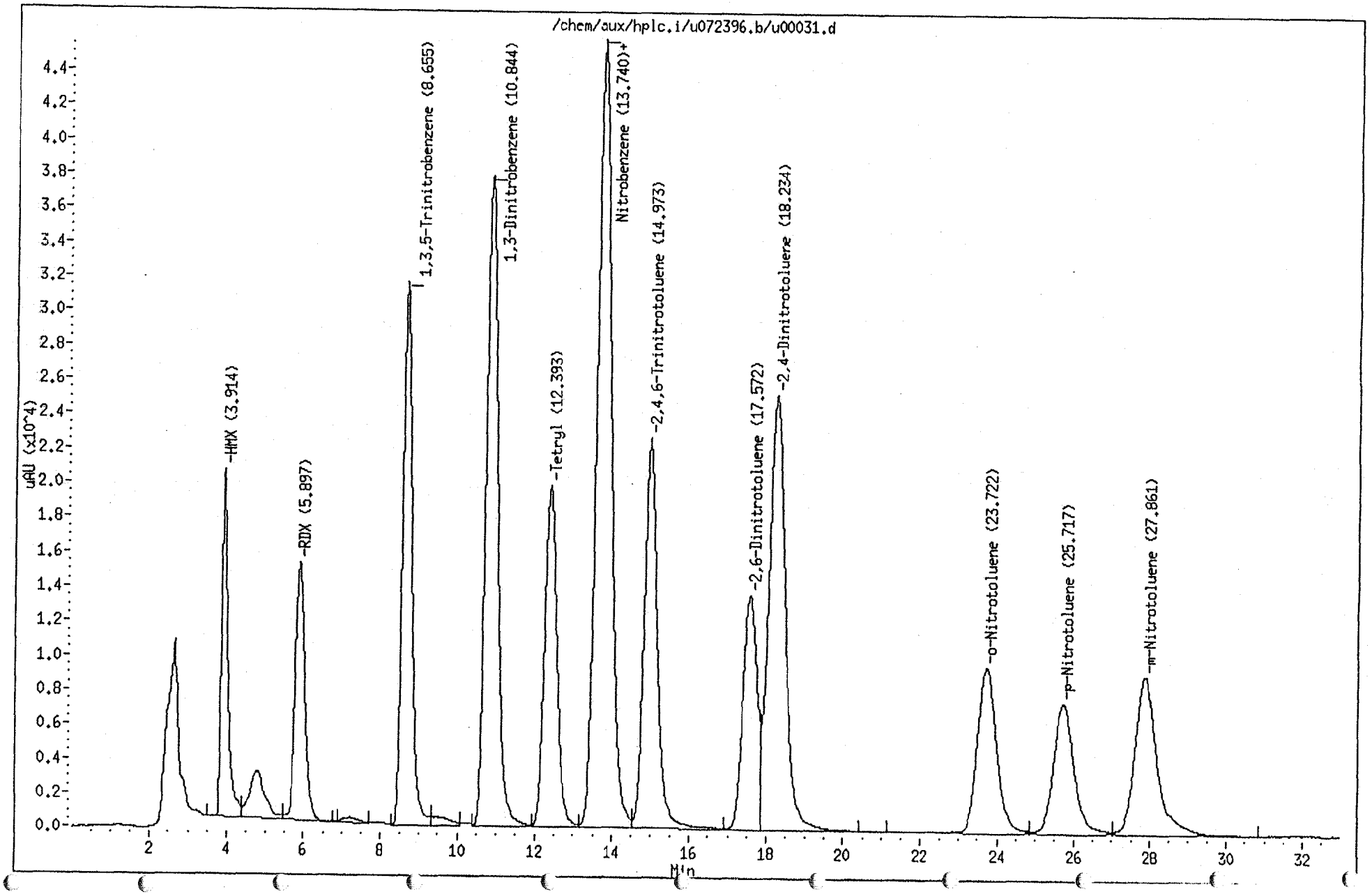
01074

Data File: /chem/aux/hplc.i/u072396.b/u00031.d
Date : 23-JUL-96 00:00
Client ID:
Sample Info: 18221n ssa7-w3 msd

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00031.d
Lab Smp Id:
Inj Date : 23-JUL-96 00:~~00~~ 2224
Operator : jk Inst ID: hplc.i
Smp Info : 18221n ssa7-w3 msd
Misc Info : jp9910qr,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

JVL 7/25/96

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.914	3.918	-0.004	351464	2.469	2.469
2 RDX	5.897	5.885	0.012	411099	2.108	2.108
3 1,3,5-Trinitrobenzene	8.655	8.634	0.021	835582	1.939	1.939
4 1,3-Dinitrobenzene	10.844	10.810	0.034	1232198	2.146	2.146
5 Tetryl	12.393	12.357	0.036	688340	2.153	2.153
6 Nitrobenzene	13.740	13.724	0.016	1905159	6.307	6.307
7 2-Amino-4,6-dinitrotoluene	13.740	13.728	0.012	1905159	6.307	6.307(M)
8 2,4,6-Trinitrotoluene	14.973	14.932	0.041	866050	2.083	2.083
9 2,6-Dinitrotoluene	17.572	17.511	0.061	539194	2.164	2.164
10 2,4-Dinitrotoluene	18.234	18.166	0.068	1181741	2.196	2.196
11 o-Nitrotoluene	23.722	23.635	0.087	522740	2.183	2.183
12 p-Nitrotoluene	25.717	25.615	0.102	447019	2.147	2.147
13 m-Nitrotoluene	27.861	27.755	0.106	592502	2.196	2.196

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

01076 EPA SAMPLE NO.

QSPK01A

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: N2Q61323QS

Sample wt/vol: 2.00 (g/mL) G Lab File ID: U00029

Level: (low/med) _____ Date Received: _____

% Moisture: N/A decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/23/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	20000	
99-65-0	1,3-Dinitrobenzene	23000	
118-96-7	2,4,6-Trinitrotoluene	21000	
121-14-2	2,4-Dinitrotoluene	23000	
606-20-2	2,6-Dinitrotoluene	23000	
2691-41-0	HMX	26000	
98-95-3	Nitrobenzene	70000	
99-99-0	p-Nitrotoluene	22000	
121-82-4	RDX	22000	
99081	m-Nitrotoluene	22000	
88-72-2	o-Nitrotoluene	22000	
479-45-8	Tetryl	18000	

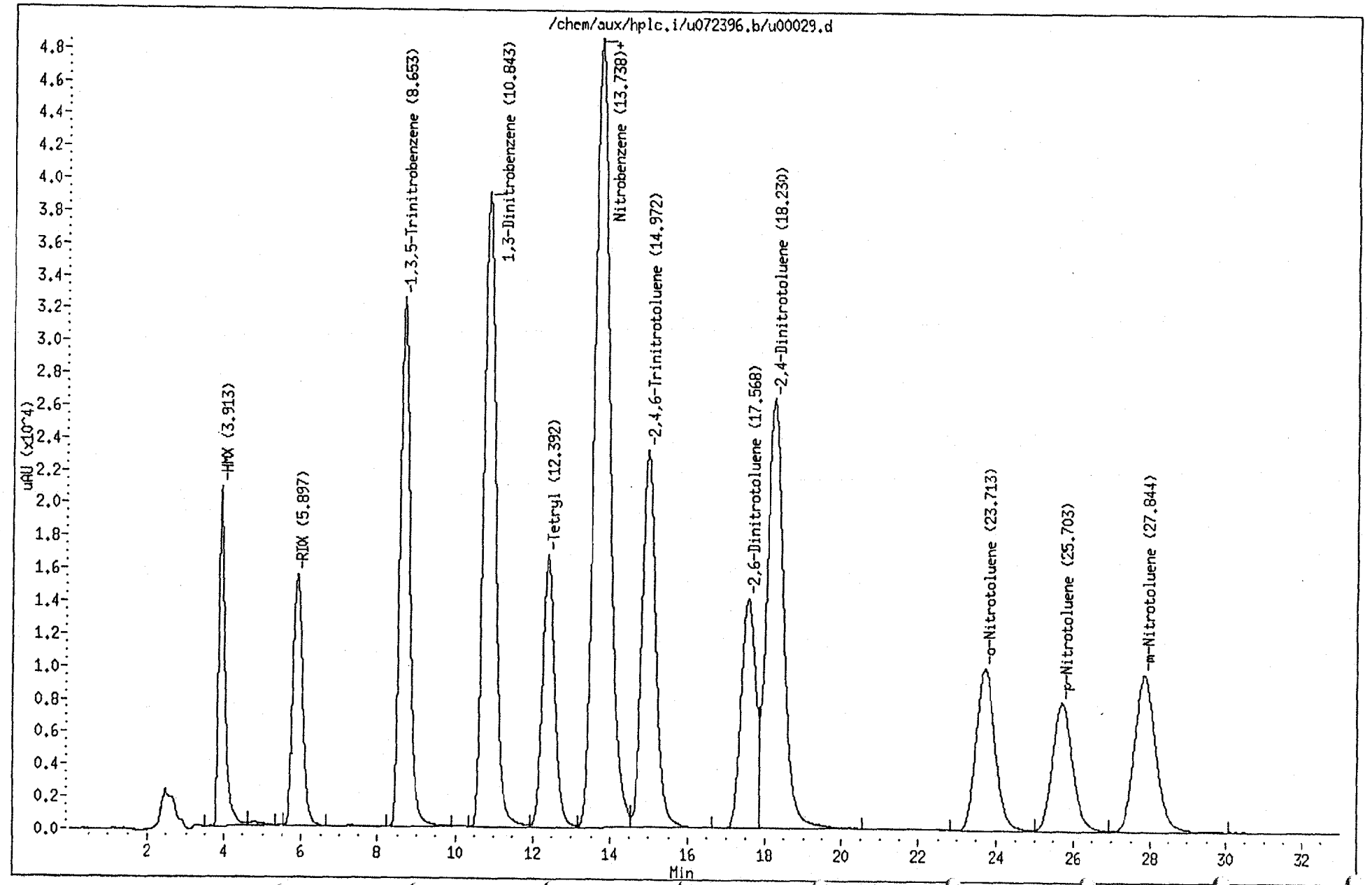
01077

Data File: /chem/aux/hplc.i/u072396.b/u00029.d
Date : 23-JUL-96 00:00
Client ID:
Sample Info: met spk n2q61323

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00029.d
Report Date: 25-Jul-1996 07:31

OHM Analytical Division

Data file : /chem/aux/hplc.i/u072396.b/u00029.d
Lab Smp Id:
Inj Date : 23-JUL-96 ~~00:00~~ 2116
Operator : jk Inst ID: hplc.i
Smp Info : met spk n2q61323
Misc Info : n2q61323qs,n2q61323,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 07:26 glenn Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/ml)
1 HMX	3.913	3.918	-0.005	366869	2.578	2.578
2 RDX	5.897	5.885	0.012	428371	2.197	2.197
3 1,3,5-Trinitrobenzene	8.653	8.634	0.019	881987	2.047	2.047
4 1,3-Dinitrobenzene	10.843	10.810	0.033	1309763	2.281	2.281
5 Tetryl	12.392	12.357	0.035	587467	1.837	1.837
6 Nitrobenzene	13.738	13.724	0.014	2121207	7.023	7.023
7 2-Amino-4,6-dinitrotoluene	13.738	13.728	0.010	2121207	7.023	7.023(M)
8 2,4,6-Trinitrotoluene	14.972	14.932	0.040	884789	2.128	2.128
9 2,6-Dinitrotoluene	17.568	17.511	0.057	565248	2.269	2.269
10 2,4-Dinitrotoluene	18.230	18.166	0.064	1261140	2.344	2.344
11 o-Nitrotoluene	23.713	23.635	0.078	532725	2.225	2.225
12 p-Nitrotoluene	25.703	25.615	0.088	448368	2.154	2.154
13 m-Nitrotoluene	27.844	27.755	0.089	587398	2.177	2.177

QC Flag Legend

M - Compound response manually integrated.

1B (GC)
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 01079

EPA SAMPLE NO.

QSPK01B

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Matrix: (soil/water) SOIL Lab Sample ID: N2Q61324QS

Sample wt/vol: 2.00 (g/mL) G Lab File ID: U00059

Level: (low/med) _____ Date Received: _____

% Moisture: N/A decanted: (Y/N) N Date Extracted: 06/25/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/24/96

Injection Volume: 125 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-35-4	1,3,5-Trinitrobenzene	21000	
99-65-0	1,3-Dinitrobenzene	23000	
118-96-7	2,4,6-Trinitrotoluene	22000	
121-14-2	2,4-Dinitrotoluene	23000	
606-20-2	2,6-Dinitrotoluene	23000	
2691-41-0	HMX	26000	
98-95-3	Nitrobenzene	71000	
99-99-0	p-Nitrotoluene	21000	
121-82-4	RDX	22000	
99081	m-Nitrotoluene	21000	
88-72-2	o-Nitrotoluene	22000	
479-45-8	Tetryl	14000	

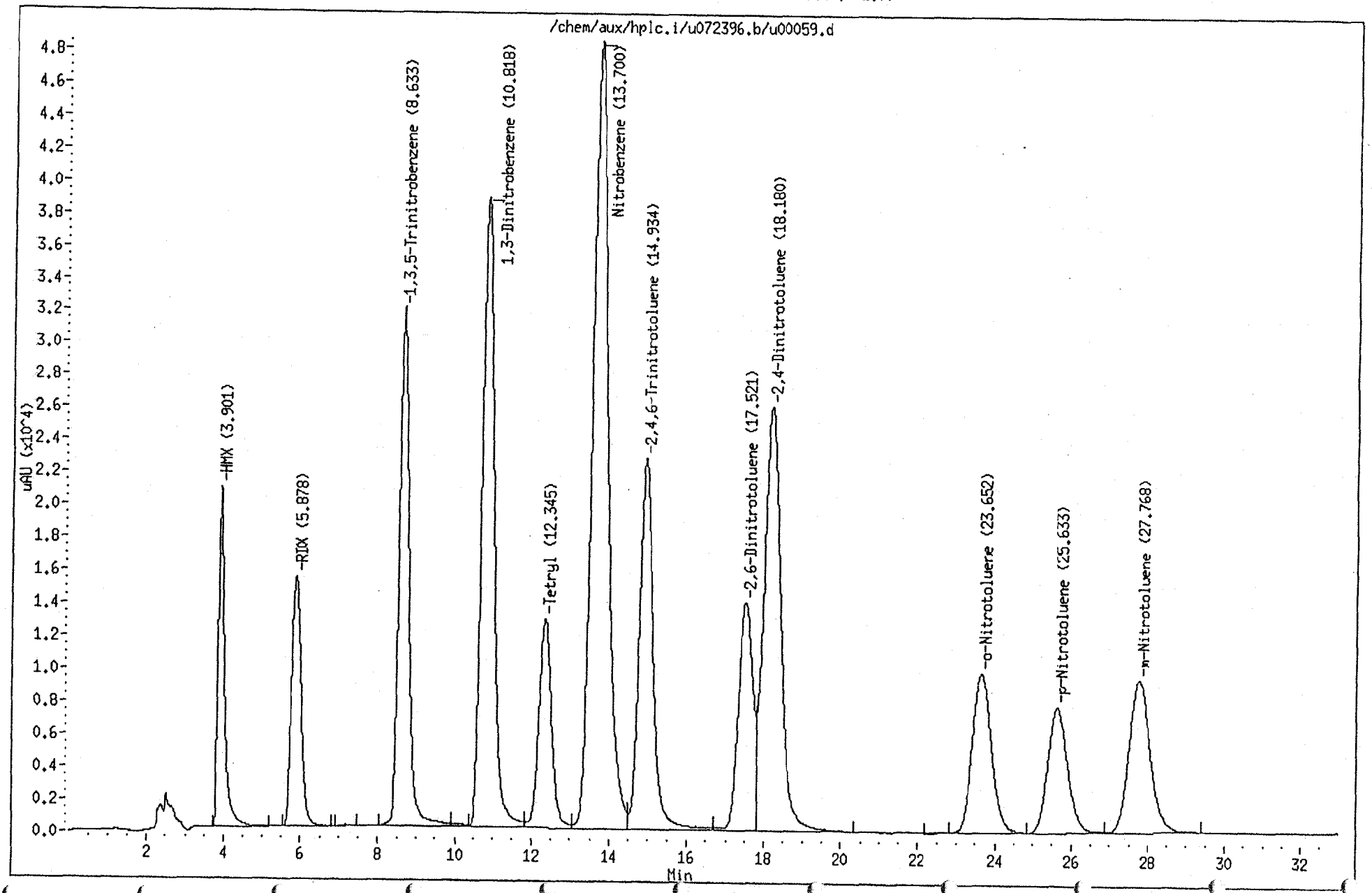
01080

Data File: /chem/aux/hplc.i/u072396.b/u00059.d
Date : 24-JUL-96 00:00
Client ID:
Sample Info: met spk n2q61324qs

Column phase: c18

Instrument: hplc.i

Operator: jk
Column diameter: 2.00



Data File: /chem/aux/hplc.i/u072396.b/u00059.d
Report Date: 25-Jul-1996 09:16

OHM Analytical Division

2nd 7/25/96

Data file : /chem/aux/hplc.i/u072396.b/u00059.d
Lab Smp Id:
Inj Date : 24-JUL-96 ~~00:00~~ 1651
Operator : jk Inst ID: hplc.i
Smp Info : met spk n2q61324qs
Misc Info : n2q61324qs,n2q61324,lc,125,1,
Comment :
Method : /chem/aux/hplc.i/u072396.b/072396_lc_expl.m
Meth Date : 25-Jul-1996 08:06 Quant Type: ESTD
Cal Date : 23-JUL-1996 00:00 Cal File: u00021.d
Als bottle: 1
Dil Factor: 1.000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.10

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/ml)
1 HMX	3.901	3.918	-0.017	371394	2.609	2.609
2 RDX	5.878	5.885	-0.007	424001	2.175	2.175
3 1,3,5-Trinitrobenzene	8.633	8.634	-0.001	887556	2.060	2.060
4 1,3-Dinitrobenzene	10.818	10.810	0.008	1322010	2.303	2.303
5 Tetryl	12.345	12.357	-0.012	448667	1.403	1.403
6 Nitrobenzene	13.700	13.724	-0.024	2149842	7.118	7.118
7 2-Amino-4,6-dinitrotoluene	13.700	13.675	0.025	2149842	7.118	7.118(M)
8 2,4,6-Trinitrotoluene	14.934	14.932	0.002	894078	2.151	2.151
9 2,6-Dinitrotoluene	17.521	17.511	0.010	572860	2.300	2.300
10 2,4-Dinitrotoluene	18.180	18.166	0.014	1257364	2.337	2.337
11 o-Nitrotoluene	23.652	23.635	0.017	530255	2.215	2.215
12 p-Nitrotoluene	25.633	25.615	0.018	438955	2.109	2.109
13 m-Nitrotoluene	27.768	27.755	0.013	577147	2.139	2.139

QC Flag Legend

M - Compound response manually integrated.

Inorganics
Metals

U.S. EPA - CLP

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01083

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

SOW No.: _____

EPA Sample No.	Lab Sample ID.
A5-F1	JP9918
A5-F2	JP9919
A5-F2D	JP9919D
A5-F2S	JP9919S
A5-F2SD	JP9919SD
A5-F3	JP9920
A5-F4	JP9921
A5-F5	JP9922
A5-W1	JP9923
A5-W2	JP9924
A5-W3	JP9925
DUP-001	JP9916
DUP-002	JP9917
SSA-W5	JP9912
SSA7-F1	JP9896
SSA7-F1S	JP9896S
SSA7-F1SD	JP9896SD
SSA7-F2	JP9897
SSA7-F3	JP9898
SSA7-F4	JP9899

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

See SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Joseph A. Hnatow Name: Joseph A. Hnatow

Date: 9-20-96 Title: Lab Manager

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

01084

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

SOW No.: _____

EPA Sample No.	Lab Sample ID.
SSA7-F5	JP9900
SSA7-TF1	JP9901
SSA7-TF2	JP9902
SSA7-TF3	JP9903
SSA7-TF4	JP9904
SSA7-TF5	JP9905
SSA7-TF6	JP9906
SSA7-TF7	JP9907
SSA7-W1	JP9908
SSA7-W2	JP9909
SSA7-W3	JP9910
SSA7-W4	JP9911
SSA7-W4D	JP9911D
SSA7-W4S	JP9911S
SSA7-W4SD	JP9911SD
SSA7-W6	JP9913
SSA7-W7	JP9914
SSA7-W8	JP9915
SSA7-W8S	JP9915S
SSA7-W8SD	JP9915SD

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

See SDG Narrative

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Joseph A. Hnatow Name: Joseph A. Hnatow

Date: 9-20-96 Title: Lab Manager

Narrative for SDG # A5-F1

Metals

CLP Forms and/or analytical requirements do not apply to all TCLP Level C type deliverable requirements. Every effort was made to conform to the CLP format and all applicable CLP/Level C forms have been included.

All of the initial and continuing calibration criteria were within QC limits.

The CRDL standard met all QC criteria.

Low levels of Barium, Iron, Nickel, Silver and Lead were detected in the initial calibration blank. This anomaly should not impact the validity of the data generated.

Low levels of Aluminum, Chromium, Iron, Magnesium, Manganese, Nickel, Calcium, Silver and Zinc were detected in the continuing calibration blank. This anomaly should not impact the validity of the data generated.

Low levels of Barium, Calcium, Iron, Lead, Manganese, Nickel, Silver and Zinc were detected in the method blank. This anomaly should not impact the validity of the data generated.

Low matrix spike recoveries were noted for Sample #A5-F2 for Antimony and Lead and Sample #SSA7-W4 for Selenium. All post spike recoveries were within acceptable QC limits.

Matrix spike recoveries for Sample#SSA7-W4 for Manganese were outside QC limits due to the high levels of these elements present in the unspiked sample. Post spikes were not required.

Duplicate results were within QC limits for Sample#SSA7-W4.

Duplicate results were >20% for Sample#A5-F2 for Lead and Zinc. This will have minimal impact on the validity of the data submitted.

All Laboratory Control Samples (LCS) were within acceptable QC limits.

All holding times were met for this SDG.

U.S. EPA - CLP 01086 EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A5-F1

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9918

Level (low/med): MED Date Received: 06/24/96

% Solids: 91

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1590			P
7440-36-0	Antimony	6.0	U	N	P
7440-38-2	Arsenic	.93	B		F
7440-39-3	Barium	9.2	B		P
7440-41-7	Beryllium	.11	U		P
7440-43-9	Cadmium	.16	U		P
7440-70-2	Calcium	138	B		P
7440-47-3	Chromium	2.4			P
7440-48-4	Cobalt	.45	B		P
7440-50-8	Copper	1.1	B		P
7439-89-6	Iron	2230			P
7439-92-1	Lead	2.4		N*	F
7439-95-4	Magnesium	127	B		P
7439-96-5	Manganese	15.6			P
7439-97-6	Mercury	.011			CV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	85.9	U		P
7782-49-2	Selenium	.26	U		F
7440-22-4	Silver	.58	U		P
7440-23-5	Sodium	24.0	U		P
7440-28-0	Thallium	.11	U		F
7440-62-2	Vanadium	3.6	B		P
7440-66-6	Zinc	8.9		*	P
	Cyanide	.51	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01087** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A5-F2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9919

Level (low/med): MED Date Received: 06/24/96

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5230			P
7440-36-0	Antimony	6.1	U	N	P
7440-38-2	Arsenic	1.9			F
7440-39-3	Barium	24.1			P
7440-41-7	Beryllium	.23	B		P
7440-43-9	Cadmium	.16	U		P
7440-70-2	Calcium	275	B		P
7440-47-3	Chromium	6.7			P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	3.0			P
7439-89-6	Iron	6840			P
7439-92-1	Lead	5.5		N*	F
7439-95-4	Magnesium	468	B		P
7439-96-5	Manganese	28.0			P
7439-97-6	Mercury	.033			CV
7440-02-0	Nickel	4.4			P
7440-09-7	Potassium	321	B		P
7782-49-2	Selenium	.23	U		F
7440-22-4	Silver	.84	B		P
7440-23-5	Sodium	32.3	B		P
7440-28-0	Thallium	.099	B		F
7440-62-2	Vanadium	11.0			P
7440-66-6	Zinc	13.0		*	P
	Cyanide	.49	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01088 EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A5-F3

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9920

Level (low/med): MED Date Received: 06/24/96

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5980			P
7440-36-0	Antimony	6.3	U	N	P
7440-38-2	Arsenic	2.6			F
7440-39-3	Barium	22.6			P
7440-41-7	Beryllium	.22	B		P
7440-43-9	Cadmium	.17	U		P
7440-70-2	Calcium	608			P
7440-47-3	Chromium	7.5			P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	3.7			P
7439-89-6	Iron	7140			P
7439-92-1	Lead	8.9		N*	F
7439-95-4	Magnesium	380	B		P
7439-96-5	Manganese	44.6			P
7439-97-6	Mercury	.023			CV
7440-02-0	Nickel	4.8			P
7440-09-7	Potassium	223	B		P
7782-49-2	Selenium	.24	U	W	F
7440-22-4	Silver	.64	B		P
7440-23-5	Sodium	32.0	B		P
7440-28-0	Thallium	.10	U		F
7440-62-2	Vanadium	11.6			P
7440-66-6	Zinc	40.5		*	P
	Cyanide	.59	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01089** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A5-F4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9921

Level (low/med): MED Date Received: 06/24/96

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5660			P
7440-36-0	Antimony	6.4	U	N	P
7440-38-2	Arsenic	2.6			F
7440-39-3	Barium	21.8	B		P
7440-41-7	Beryllium	.19	B		P
7440-43-9	Cadmium	.17	U		P
7440-70-2	Calcium	416	B		P
7440-47-3	Chromium	6.8			P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	3.1			P
7439-89-6	Iron	7090			P
7439-92-1	Lead	6.5		N*	F
7439-95-4	Magnesium	305	B		P
7439-96-5	Manganese	32.6			P
7439-97-6	Mercury	.034			CV
7440-02-0	Nickel	4.5	B		P
7440-09-7	Potassium	261	B		P
7782-49-2	Selenium	.26	U	W	F
7440-22-4	Silver	.65	B		P
7440-23-5	Sodium	28.7	B		P
7440-28-0	Thallium	.11	U		F
7440-62-2	Vanadium	11.5			P
7440-66-6	Zinc	11.3		*	P
	Cyanide	.49	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

01090

EPA SAMPLE NO.

A5-F5

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9922

Level (low/med): MED Date Received: 06/24/96

% Solids: 94

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5350			P
7440-36-0	Antimony	5.8	U	N	P
7440-38-2	Arsenic	1.9			F
7440-39-3	Barium	21.9			P
7440-41-7	Beryllium	.16	B		P
7440-43-9	Cadmium	.16	U		P
7440-70-2	Calcium	390	B		P
7440-47-3	Chromium	5.9			P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	6500			P
7439-92-1	Lead	3.7		N*	F
7439-95-4	Magnesium	265	B		P
7439-96-5	Manganese	26.5			P
7439-97-6	Mercury	.032			CV
7440-02-0	Nickel	3.7	B		P
7440-09-7	Potassium	167	B		P
7782-49-2	Selenium	.23	U		F
7440-22-4	Silver	.56	U		P
7440-23-5	Sodium	24.8	B		P
7440-28-0	Thallium	.099	U		F
7440-62-2	Vanadium	9.8			P
7440-66-6	Zinc	10.0		*	P
	Cyanide	.56	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01091** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A5-W1

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9923

Level (low/med): MED Date Received: 06/24/96

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2560			P
7440-36-0	Antimony	6.0	U	N	P
7440-38-2	Arsenic	.89	B		F
7440-39-3	Barium	22.0			P
7440-41-7	Beryllium	.18	B		P
7440-43-9	Cadmium	.16	U		P
7440-70-2	Calcium	216	B		P
7440-47-3	Chromium	3.4			P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	3450			P
7439-92-1	Lead	3.1		N*	F
7439-95-4	Magnesium	271	B		P
7439-96-5	Manganese	29.4			P
7439-97-6	Mercury	.013			CV
7440-02-0	Nickel	3.9	B		P
7440-09-7	Potassium	136	B		P
7782-49-2	Selenium	.24	U		F
7440-22-4	Silver	.58	U		P
7440-23-5	Sodium	24.0	U		P
7440-28-0	Thallium	.10	U		F
7440-62-2	Vanadium	5.9			P
7440-66-6	Zinc	9.5		*	P
	Cyanide	.56	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

01092

EPA SAMPLE NO.

A5-W2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9924

Level (low/med): MED Date Received: 06/24/96

% Solids: 93

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1140			P
7440-36-0	Antimony	5.7	U	N	P
7440-38-2	Arsenic	.70	B		F
7440-39-3	Barium	9.6	B		P
7440-41-7	Beryllium	.10	U		P
7440-43-9	Cadmium	.15	U		P
7440-70-2	Calcium	132	B		P
7440-47-3	Chromium	1.7			P
7440-48-4	Cobalt	.61	B		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	1590			P
7439-92-1	Lead	1.8		N*	F
7439-95-4	Magnesium	90.3	B		P
7439-96-5	Manganese	19.1			P
7439-97-6	Mercury	.015			CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	90.6	B		P
7782-49-2	Selenium	.25	U		F
7440-22-4	Silver	.55	B		P
7440-23-5	Sodium	22.8	U		P
7440-28-0	Thallium	.11	U		F
7440-62-2	Vanadium	2.5	B		P
7440-66-6	Zinc	4.7		*	P
	Cyanide	.49	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01093** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A5-W3

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9925

Level (low/med): MED Date Received: 06/24/96

% Solids: 96

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2150			P
7440-36-0	Antimony	5.8	U	N	P
7440-38-2	Arsenic	.63	B		F
7440-39-3	Barium	18.7	B		P
7440-41-7	Beryllium	.17	B		P
7440-43-9	Cadmium	.15	U		P
7440-70-2	Calcium	179	B		P
7440-47-3	Chromium	2.4			P
7440-48-4	Cobalt	1.0	B		P
7440-50-8	Copper	1.6	B		P
7439-89-6	Iron	2420			P
7439-92-1	Lead	10.7		N*	F
7439-95-4	Magnesium	224	B		P
7439-96-5	Manganese	40.3			P
7439-97-6	Mercury	.010			CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	82.4	U		P
7782-49-2	Selenium	.22	U		F
7440-22-4	Silver	.70	B		P
7440-23-5	Sodium	23.0	U		P
7440-28-0	Thallium	.095	U		F
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	22.4		*	P
	Cyanide	.55	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01094** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

DUP-001

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9916

Level (low/med): MED Date Received: 06/24/96

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5170			P
7440-36-0	Antimony	7.1	U	N	P
7440-38-2	Arsenic	3.2			F
7440-39-3	Barium	49.1			P
7440-41-7	Beryllium	.50	B		P
7440-43-9	Cadmium	.19	U		P
7440-70-2	Calcium	882			P
7440-47-3	Chromium	7.9			P
7440-48-4	Cobalt	6.5			P
7440-50-8	Copper	3.1	B		P
7439-89-6	Iron	11900			P
7439-92-1	Lead	2.9		N*	F
7439-95-4	Magnesium	525	B		P
7439-96-5	Manganese	123			P
7439-97-6	Mercury	.018			CV
7440-02-0	Nickel	5.6			P
7440-09-7	Potassium	439	B		P
7782-49-2	Selenium	.28	U	W	F
7440-22-4	Silver	.68	U		P
7440-23-5	Sodium	37.6	B		P
7440-28-0	Thallium	.12	U		F
7440-62-2	Vanadium	12.1			P
7440-66-6	Zinc	16.7		*	P
	Cyanide	.61	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01095** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

DUP-002

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9917

Level (low/med): MED Date Received: 06/24/96

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3370			P
7440-36-0	Antimony	6.4	U	N	P
7440-38-2	Arsenic	.80	B		F
7440-39-3	Barium	35.2			P
7440-41-7	Beryllium	.47	B		P
7440-43-9	Cadmium	.17	B		P
7440-70-2	Calcium	811			P
7440-47-3	Chromium	9.2			P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	4.6			P
7439-89-6	Iron	6370			P
7439-92-1	Lead	7.6		N*W	F
7439-95-4	Magnesium	415	B		P
7439-96-5	Manganese	129			P
7439-97-6	Mercury	.019			CV
7440-02-0	Nickel	4.9			P
7440-09-7	Potassium	137	B		P
7782-49-2	Selenium	.27	U		F
7440-22-4	Silver	.86	B		P
7440-23-5	Sodium	28.1	B		P
7440-28-0	Thallium	.12	U		F
7440-62-2	Vanadium	11.7			P
7440-66-6	Zinc	25.3		*	P
	Cyanide	.57	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01096** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA-W5

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9912

Level (low/med): MED Date Received: 06/24/96

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6390			P
7440-36-0	Antimony	6.6	U		P
7440-38-2	Arsenic	4.5			F
7440-39-3	Barium	23.5			P
7440-41-7	Beryllium	.50	B		P
7440-43-9	Cadmium	.17	U		P
7440-70-2	Calcium	810			P
7440-47-3	Chromium	8.9			P
7440-48-4	Cobalt	7.0			P
7440-50-8	Copper	3.2			P
7439-89-6	Iron	13800			P
7439-92-1	Lead	5.9			F
7439-95-4	Magnesium	852			P
7439-96-5	Manganese	119		N	P
7439-97-6	Mercury	.010			CV
7440-02-0	Nickel	5.2			P
7440-09-7	Potassium	909			P
7782-49-2	Selenium	.26	U	NW	F
7440-22-4	Silver	.63	U		P
7440-23-5	Sodium	44.3	B		P
7440-28-0	Thallium	.11	U		F
7440-62-2	Vanadium	14.8			P
7440-66-6	Zinc	16.3			P
	Cyanide	.52	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01097

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSA7-F1

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9896

Level (low/med): MED Date Received: 06/24/96

% Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4780			P
7440-36-0	Antimony	7.5	U		P
7440-38-2	Arsenic	17.8			F
7440-39-3	Barium	13.1	B		P
7440-41-7	Beryllium	.41	B		P
7440-43-9	Cadmium	.20	U		P
7440-70-2	Calcium	2040			P
7440-47-3	Chromium	16.0			P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	4.5			P
7439-89-6	Iron	17500			P
7439-92-1	Lead	5.4			F
7439-95-4	Magnesium	1360			P
7439-96-5	Manganese	79.4		N	P
7439-97-6	Mercury	.014			CV
7440-02-0	Nickel	4.9	B		P
7440-09-7	Potassium	1710			P
7782-49-2	Selenium	.31	U	N	F
7440-22-4	Silver	.72	U		P
7440-23-5	Sodium	29.7	U		P
7440-28-0	Thallium	.14	U	W	F
7440-62-2	Vanadium	14.0			P
7440-66-6	Zinc	31.3			P
	Cyanide	.67	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01098** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-F2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9897

Level (low/med): MED Date Received: 06/24/96

% Solids: 72

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4470			P
7440-36-0	Antimony	7.5	U		P
7440-38-2	Arsenic	20.2			F
7440-39-3	Barium	11.6	B		P
7440-41-7	Beryllium	.31	B		P
7440-43-9	Cadmium	.20	U		P
7440-70-2	Calcium	1720			P
7440-47-3	Chromium	15.0			P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	3.8			P
7439-89-6	Iron	17700			P
7439-92-1	Lead	8.9			F
7439-95-4	Magnesium	1180			P
7439-96-5	Manganese	91.5		N	P
7439-97-6	Mercury	.010			CV
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium	1320			P
7782-49-2	Selenium	.30	U	N	F
7440-22-4	Silver	.72	U		P
7440-23-5	Sodium	30.0	U		P
7440-28-0	Thallium	.13	U		F
7440-62-2	Vanadium	13.3			P
7440-66-6	Zinc	26.1			P
	Cyanide	.65	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01099 EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-F3

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9898

Level (low/med): MED Date Received: 06/24/96

% Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6420			P
7440-36-0	Antimony	7.6	U		P
7440-38-2	Arsenic	59.5			F
7440-39-3	Barium	11.5	B		P
7440-41-7	Beryllium	.41	B		P
7440-43-9	Cadmium	.20	U		P
7440-70-2	Calcium	999			P
7440-47-3	Chromium	20.7			P
7440-48-4	Cobalt	3.5	B		P
7440-50-8	Copper	6.1			P
7439-89-6	Iron	27200			P
7439-92-1	Lead	8.2			F
7439-95-4	Magnesium	1380			P
7439-96-5	Manganese	55.3		N	P
7439-97-6	Mercury	.010			CV
7440-02-0	Nickel	9.1			P
7440-09-7	Potassium	1330			P
7782-49-2	Selenium	.31	U	NW	F
7440-22-4	Silver	.73	U		P
7440-23-5	Sodium	71.7	B		P
7440-28-0	Thallium	.14	U		F
7440-62-2	Vanadium	20.5			P
7440-66-6	Zinc	36.0			P
	Cyanide	.65	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01100 EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-F4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9899

Level (low/med): MED Date Received: 06/24/96

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5190			P
7440-36-0	Antimony	6.7	U		P
7440-38-2	Arsenic	14.5			F
7440-39-3	Barium	10.6	B		P
7440-41-7	Beryllium	.46	B		P
7440-43-9	Cadmium	.18	U		P
7440-70-2	Calcium	1640			P
7440-47-3	Chromium	19.3			P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	4.6			P
7439-89-6	Iron	23900			P
7439-92-1	Lead	12.0			F
7439-95-4	Magnesium	1670			P
7439-96-5	Manganese	43.2		N	P
7439-97-6	Mercury	.021			CV
7440-02-0	Nickel	6.4			P
7440-09-7	Potassium	2160			P
7782-49-2	Selenium	.27	U	N	F
7440-22-4	Silver	.64	U		P
7440-23-5	Sodium	57.9	B		P
7440-28-0	Thallium	.12	U		F
7440-62-2	Vanadium	18.1			P
7440-66-6	Zinc	30.1			P
	Cyanide	.52	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01101** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-F5

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9900

Level (low/med): MED Date Received: 06/24/96

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6350			P
7440-36-0	Antimony	7.1	U		P
7440-38-2	Arsenic	28.8			F
7440-39-3	Barium	32.4			P
7440-41-7	Beryllium	.49	B		P
7440-43-9	Cadmium	.19	U		P
7440-70-2	Calcium	1700			P
7440-47-3	Chromium	14.8			P
7440-48-4	Cobalt	3.8	B		P
7440-50-8	Copper	4.9			P
7439-89-6	Iron	17800			P
7439-92-1	Lead	7.2			F
7439-95-4	Magnesium	1080			P
7439-96-5	Manganese	239		N	P
7439-97-6	Mercury	.017			CV
7440-02-0	Nickel	6.0			P
7440-09-7	Potassium	1280			P
7782-49-2	Selenium	.26	U	NW	F
7440-22-4	Silver	.68	U		P
7440-23-5	Sodium	61.0	B		P
7440-28-0	Thallium	.11	U		F
7440-62-2	Vanadium	16.4			P
7440-66-6	Zinc	30.1			P
	Cyanide	.66	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01102

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSA7-TF1

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9901

Level (low/med): MED Date Received: 06/24/96

% Solids: 72

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8010			P
7440-36-0	Antimony	7.6	U		P
7440-38-2	Arsenic	3.0			F
7440-39-3	Barium	11.5	B		P
7440-41-7	Beryllium	.41	B		P
7440-43-9	Cadmium	.20	U		P
7440-70-2	Calcium	1510			P
7440-47-3	Chromium	22.0			P
7440-48-4	Cobalt	3.8	B		P
7440-50-8	Copper	6.7			P
7439-89-6	Iron	24300			P
7439-92-1	Lead	9.5			F
7439-95-4	Magnesium	1520			P
7439-96-5	Manganese	42.2		N	P
7439-97-6	Mercury	.014			CV
7440-02-0	Nickel	10.3			P
7440-09-7	Potassium	1410			P
7782-49-2	Selenium	.32	U	NW	F
7440-22-4	Silver	.73	U		P
7440-23-5	Sodium	59.5	B		P
7440-28-0	Thallium	.17	B		F
7440-62-2	Vanadium	21.6			P
7440-66-6	Zinc	31.4			P
	Cyanide	.69	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01103** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-TF2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9902

Level (low/med): MED Date Received: 06/24/96

% Solids: 75

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8430			P
7440-36-0	Antimony	9.6			P
7440-38-2	Arsenic	6.8			F
7440-39-3	Barium	20.6	B		P
7440-41-7	Beryllium	.76			P
7440-43-9	Cadmium	.20	U		P
7440-70-2	Calcium	2370			P
7440-47-3	Chromium	25.4			P
7440-48-4	Cobalt	3.4	B		P
7440-50-8	Copper	8.0			P
7439-89-6	Iron	48700			P
7439-92-1	Lead	8.4			F
7439-95-4	Magnesium	1530			P
7439-96-5	Manganese	47.4		N	P
7439-97-6	Mercury	.014			CV
7440-02-0	Nickel	9.9			P
7440-09-7	Potassium	1610			P
7782-49-2	Selenium	.32	U	NW	F
7440-22-4	Silver	.72	U		P
7440-23-5	Sodium	56.1	B		P
7440-28-0	Thallium	.14	U		F
7440-62-2	Vanadium	26.0			P
7440-66-6	Zinc	41.2			P
	Cyanide	.66	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01104** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-TF3

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9903

Level (low/med): MED Date Received: 06/24/96

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7100			P
7440-36-0	Antimony	6.9	U		P
7440-38-2	Arsenic	6.8		W	F
7440-39-3	Barium	18.5	B		P
7440-41-7	Beryllium	.64			P
7440-43-9	Cadmium	.18	U		P
7440-70-2	Calcium	712			P
7440-47-3	Chromium	17.9			P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	6.2			P
7439-89-6	Iron	28200			P
7439-92-1	Lead	7.2			F
7439-95-4	Magnesium	1120			P
7439-96-5	Manganese	41.4		N	P
7439-97-6	Mercury	.016			CV
7440-02-0	Nickel	10.4			P
7440-09-7	Potassium	1250			P
7782-49-2	Selenium	.29	U	N	F
7440-22-4	Silver	.66	U		P
7440-23-5	Sodium	58.8	B		P
7440-28-0	Thallium	.12	U		F
7440-62-2	Vanadium	21.2			P
7440-66-6	Zinc	31.6			P
	Cyanide	.62	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01105** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-TF4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9904

Level (low/med): MED Date Received: 06/24/96

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7840			P
7440-36-0	Antimony	6.9	U		P
7440-38-2	Arsenic	4.7			F
7440-39-3	Barium	27.3			P
7440-41-7	Beryllium	.93			P
7440-43-9	Cadmium	.18	U		P
7440-70-2	Calcium	1460			P
7440-47-3	Chromium	16.0			P
7440-48-4	Cobalt	17.9			P
7440-50-8	Copper	4.1			P
7439-89-6	Iron	23100			P
7439-92-1	Lead	4.7			F
7439-95-4	Magnesium	1240			P
7439-96-5	Manganese	165		N	P
7439-97-6	Mercury	.020			CV
7440-02-0	Nickel	12.1			P
7440-09-7	Potassium	1330			P
7782-49-2	Selenium	.30	U	NW	F
7440-22-4	Silver	.66	U		P
7440-23-5	Sodium	43.5	B		P
7440-28-0	Thallium	.13	U		F
7440-62-2	Vanadium	19.7			P
7440-66-6	Zinc	31.3			P
	Cyanide	.53	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01106 EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-TF5

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9905

Level (low/med): MED Date Received: 06/24/96

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	7.1	U		P
7440-38-2	Arsenic	4.5			F
7440-39-3	Barium	46.5			P
7440-41-7	Beryllium	2.5			P
7440-43-9	Cadmium	.19	U		P
7440-70-2	Calcium	1450			P
7440-47-3	Chromium	15.6			P
7440-48-4	Cobalt	31.9			P
7440-50-8	Copper	6.2			P
7439-89-6	Iron	35000			P
7439-92-1	Lead	4.1			F
7439-95-4	Magnesium	682			P
7439-96-5	Manganese	90.5		N	P
7439-97-6	Mercury	.027			CV
7440-02-0	Nickel	66.2			P
7440-09-7	Potassium	529	B		P
7782-49-2	Selenium	.29	U	NW	F
7440-22-4	Silver	.68	U		P
7440-23-5	Sodium	90.5	B		P
7440-28-0	Thallium	.13	U		F
7440-62-2	Vanadium	19.2			P
7440-66-6	Zinc	86.2			P
	Cyanide	.65	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01107

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSA7-TF6

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9906

Level (low/med): MED Date Received: 06/24/96

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8140			P
7440-36-0	Antimony	7.2			P
7440-38-2	Arsenic	10.2			F
7440-39-3	Barium	18.0	B		P
7440-41-7	Beryllium	.77			P
7440-43-9	Cadmium	.18	U		P
7440-70-2	Calcium	1360			P
7440-47-3	Chromium	18.4			P
7440-48-4	Cobalt	6.5			P
7440-50-8	Copper	7.2			P
7439-89-6	Iron	31800			P
7439-92-1	Lead	6.2			F
7439-95-4	Magnesium	1730			P
7439-96-5	Manganese	125		N	P
7439-97-6	Mercury	.021			CV
7440-02-0	Nickel	7.7			P
7440-09-7	Potassium	2240			P
7782-49-2	Selenium	.29	U	NW	F
7440-22-4	Silver	.64	U		P
7440-23-5	Sodium	68.8	B		P
7440-28-0	Thallium	.13	U		F
7440-62-2	Vanadium	25.1			P
7440-66-6	Zinc	35.2			P
	Cyanide	.63	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01108 EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-TF7

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9907

Level (low/med): MED Date Received: 06/24/96

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4280			P
7440-36-0	Antimony	6.7	U		P
7440-38-2	Arsenic	5.1	B		F
7440-39-3	Barium	19.0	B		P
7440-41-7	Beryllium	.37	B		P
7440-43-9	Cadmium	.18	U		P
7440-70-2	Calcium	1660			P
7440-47-3	Chromium	13.3			P
7440-48-4	Cobalt	2.5	B		P
7440-50-8	Copper	4.2			P
7439-89-6	Iron	15400			P
7439-92-1	Lead	8.3			F
7439-95-4	Magnesium	998			P
7439-96-5	Manganese	102		N	P
7439-97-6	Mercury	.016			CV
7440-02-0	Nickel	5.6			P
7440-09-7	Potassium	1330			P
7782-49-2	Selenium	.28	U	N	F
7440-22-4	Silver	.65	U		P
7440-23-5	Sodium	71.7	B		P
7440-28-0	Thallium	.12	U		F
7440-62-2	Vanadium	13.2			P
7440-66-6	Zinc	32.7			P
	Cyanide	.61	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01109** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-W1

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9908

Level (low/med): MED Date Received: 06/24/96

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5860			P
7440-36-0	Antimony	6.4	U		P
7440-38-2	Arsenic	3.2			F
7440-39-3	Barium	31.6			P
7440-41-7	Beryllium	.32	B		P
7440-43-9	Cadmium	.17	U		P
7440-70-2	Calcium	1140			P
7440-47-3	Chromium	7.9			P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	4.3			P
7439-89-6	Iron	11500			P
7439-92-1	Lead	5.1			F
7439-95-4	Magnesium	521	B		P
7439-96-5	Manganese	547		N	P
7439-97-6	Mercury	.025			CV
7440-02-0	Nickel	4.3	B		P
7440-09-7	Potassium	617			P
7782-49-2	Selenium	.25	U	NW	F
7440-22-4	Silver	1.4			P
7440-23-5	Sodium	37.2	B		P
7440-28-0	Thallium	.11	U		F
7440-62-2	Vanadium	11.9			P
7440-66-6	Zinc	19.3			P
	Cyanide	.56	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01110** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-W2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9909

Level (low/med): MED Date Received: 06/24/96

% Solids: 90

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5600			P
7440-36-0	Antimony	6.0	U		P
7440-38-2	Arsenic	2.4			F
7440-39-3	Barium	27.0			P
7440-41-7	Beryllium	.42	B		P
7440-43-9	Cadmium	.16	U		P
7440-70-2	Calcium	1010			P
7440-47-3	Chromium	8.3			P
7440-48-4	Cobalt	3.0	B		P
7440-50-8	Copper	4.4			P
7439-89-6	Iron	15100			P
7439-92-1	Lead	3.7			F
7439-95-4	Magnesium	459	B		P
7439-96-5	Manganese	281		N	P
7439-97-6	Mercury	.025			CV
7440-02-0	Nickel	4.4			P
7440-09-7	Potassium	572			P
7782-49-2	Selenium	.27	U	NW	F
7440-22-4	Silver	.59	B		P
7440-23-5	Sodium	36.6	B		P
7440-28-0	Thallium	.12	U		F
7440-62-2	Vanadium	13.9			P
7440-66-6	Zinc	19.3			P
	Cyanide	.52	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01111

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSA7-W3

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9910

Level (low/med): MED Date Received: 06/24/96

% Solids: 92

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4150			P
7440-36-0	Antimony	6.2	U		P
7440-38-2	Arsenic	2.1			F
7440-39-3	Barium	38.6			P
7440-41-7	Beryllium	.30	B		P
7440-43-9	Cadmium	.16	U		P
7440-70-2	Calcium	607			P
7440-47-3	Chromium	5.4			P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	3.3			P
7439-89-6	Iron	8390			P
7439-92-1	Lead				NR
7439-95-4	Magnesium	381	B		P
7439-96-5	Manganese	116		N	P
7439-97-6	Mercury	.015			CV
7440-02-0	Nickel	4.8			P
7440-09-7	Potassium	372	B		P
7782-49-2	Selenium	.25	U	NW	F
7440-22-4	Silver	.59	U		P
7440-23-5	Sodium	40.7	B		P
7440-28-0	Thallium	.11	U		F
7440-62-2	Vanadium	9.4			P
7440-66-6	Zinc	13.1			P
	Cyanide	.49	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01112

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSA7-W4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9911

Level (low/med): MED Date Received: 06/24/96

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4500			P
7440-36-0	Antimony	6.1	U		P
7440-38-2	Arsenic	2.6			F
7440-39-3	Barium	34.4			P
7440-41-7	Beryllium	.33	B		P
7440-43-9	Cadmium	.16	U		P
7440-70-2	Calcium	749			P
7440-47-3	Chromium	8.1			P
7440-48-4	Cobalt	3.6	B		P
7440-50-8	Copper	4.0			P
7439-89-6	Iron	7790			P
7439-92-1	Lead	17.6			F
7439-95-4	Magnesium	528	B		P
7439-96-5	Manganese	151		N	P
7439-97-6	Mercury	.018			CV
7440-02-0	Nickel	5.3			P
7440-09-7	Potassium	288	B		P
7782-49-2	Selenium	.27	U	N	F
7440-22-4	Silver	.63	B		P
7440-23-5	Sodium	26.6	B		P
7440-28-0	Thallium	.11	B		F
7440-62-2	Vanadium	13.0			P
7440-66-6	Zinc	32.8			P
	Cyanide	.51	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP 01113 EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-W6

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9913

Level (low/med): MED Date Received: 06/24/96

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9320			P
7440-36-0	Antimony	7.8			P
7440-38-2	Arsenic	9.2			F
7440-39-3	Barium	29.6			P
7440-41-7	Beryllium	.71			P
7440-43-9	Cadmium	.18	U		P
7440-70-2	Calcium	2870			P
7440-47-3	Chromium	22.2			P
7440-48-4	Cobalt	3.0	B		P
7440-50-8	Copper	6.0			P
7439-89-6	Iron	32400			P
7439-92-1	Lead	12.4			F
7439-95-4	Magnesium	1650			P
7439-96-5	Manganese	41.6		N	P
7439-97-6	Mercury	.025			CV
7440-02-0	Nickel	7.0			P
7440-09-7	Potassium	1730			P
7782-49-2	Selenium	.31	U	NW	F
7440-22-4	Silver	.67	U		P
7440-23-5	Sodium	52.5	B		P
7440-28-0	Thallium	.14	U		F
7440-62-2	Vanadium	29.5			P
7440-66-6	Zinc	30.5			P
	Cyanide	.60	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP **01114** EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

SSA7-W7

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9914

Level (low/med): MED Date Received: 06/24/96

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3720			P
7440-36-0	Antimony	6.3	U		P
7440-38-2	Arsenic	1.8		W	F
7440-39-3	Barium	18.4	B		P
7440-41-7	Beryllium	.28	B		P
7440-43-9	Cadmium	.17	U		P
7440-70-2	Calcium	432	B		P
7440-47-3	Chromium	4.9			P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	2.1	B		P
7439-89-6	Iron	8850			P
7439-92-1	Lead	4.9			F
7439-95-4	Magnesium	253	B		P
7439-96-5	Manganese	50.2		N	P
7439-97-6	Mercury	.0084	B		CV
7440-02-0	Nickel	3.7	B		P
7440-09-7	Potassium	307	B		P
7782-49-2	Selenium	.25	U	NW	F
7440-22-4	Silver	.61	U		P
7440-23-5	Sodium	25.4	B		P
7440-28-0	Thallium	.33	B		F
7440-62-2	Vanadium	10			P
7440-66-6	Zinc	12.3			P
	Cyanide	.47	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSA7-W8

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Lab Sample ID: JP9915

Level (low/med): MED Date Received: 06/24/96

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7670			P
7440-36-0	Antimony	6.9	U		P
7440-38-2	Arsenic	3.6			F
7440-39-3	Barium	12.8	B		P
7440-41-7	Beryllium	.34	B		P
7440-43-9	Cadmium	.18	U		P
7440-70-2	Calcium	1650			P
7440-47-3	Chromium	19.5			P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	5.1			P
7439-89-6	Iron	19200			P
7439-92-1	Lead	5.4			F
7439-95-4	Magnesium	1480			P
7439-96-5	Manganese	32.4		N	P
7439-97-6	Mercury	.022			CV
7440-02-0	Nickel	6.8			P
7440-09-7	Potassium	1470			P
7782-49-2	Selenium	.27	U	N	F
7440-22-4	Silver	.67	U		P
7440-23-5	Sodium	53.6	B		P
7440-28-0	Thallium	.12	U		F
7440-62-2	Vanadium	18.5			P
7440-66-6	Zinc	25.3			P
	Cyanide	.56	U		CA

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

01116

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	4800.0	4710.00	98.1	9710.0	9580.00	98.7	9360.00	96.4	P
Antimony	2310.0	2400.00	103.9	4720.0	4720.00	100.0	4640.00	98.3	P
Arsenic									
Barium	4900.0	4860.00	99.2	9900.0	9660.00	97.6	9720.00	98.2	P
Beryllium	118.0	119.00	100.8	236.0	236.00	100.0	241.00	102.1	P
Cadmium	598.0	619.00	103.5	1240.0	1230.00	99.2	1230.00	99.2	P
Calcium	4770.0	4930.00	103.4	9700.0	9890.00	102.0	9800.00	101.0	P
Chromium	242.0	250.00	103.3	476.0	476.00	100.0	479.00	100.6	P
Cobalt	1190.0	1220.00	102.5	2430.0	2420.00	99.6	2410.00	99.2	P
Copper	597.0	597.00	100.0	1200.0	1190.00	99.2	1180.00	98.3	P
Iron	2450.0	2500.00	102.0	4880.0	5000.00	102.5	4850.00	99.4	P
Lead									
Magnesium	4690.0	4820.00	102.8	9620.0	9760.00	101.5	9650.00	100.3	P
Manganese	318.0	315.00	99.1	643.0	624.00	97.0	611.00	95.0	P
Mercury				5.0	5.58	111.6			CV
Nickel	958.0	982.00	102.5	1930.0	1920.00	99.5	1920.00	99.5	P
Potassium	6350.0	6230.00	98.1	12300.0	12200.00	99.2	11800.00	95.9	P
Selenium									
Silver	247.0	249.00	100.8	487.0	477.00	97.9	481.00	98.8	
Sodium	4240.0	4380.00	103.3	8750.0	8680.00	99.2	8720.00	99.7	P
Thallium									
Vanadium	1180.0	1200.00	101.7	2400.0	2370.00	98.8	2380.00	99.2	P
Zinc	458.0	501.00	109.4	959.0	995.00	103.8	971.00	101.3	P
Cyanide									

1

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				9710.0	9440.00	97.2	9290.00	95.7	P
Antimony				4720.0	4630.00	98.1	4570.00	96.8	P
Arsenic									
Barium				9900.0	9780.00	98.8	9670.00	97.7	P
Beryllium				236.0	242.00	102.5	238.00	100.8	P
Cadmium				1240.0	1230.00	99.2	1220.00	98.4	P
Calcium				9700.0	9760.00	100.6	9540.00	98.4	P
Chromium				476.0	479.00	100.6	471.00	98.9	P
Cobalt				2430.0	2420.00	99.6	2380.00	97.9	P
Copper				1200.0	1180.00	98.3	1170.00	97.5	P
Iron				4880.0	4940.00	101.2	4840.00	99.2	P
Lead									
Magnesium				9620.0	9630.00	100.1	9480.00	98.5	P
Manganese				643.0	644.00	100.2	611.00	95.0	P
Mercury									
Nickel				1930.0	1940.00	100.5	1900.00	98.4	P
Potassium				12300.0	12600.00	102.4	12300.00	100.0	P
Selenium									
Silver				487.0	482.00	99.0	475.00	97.5	
Sodium				8750.0	8780.00	100.3	8700.00	99.4	P
Thallium									
Vanadium				2400.0	2390.00	99.6	2350.00	97.9	P
Zinc				959.0	983.00	102.5	976.00	101.8	P
Cyanide									

1

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				9710.0	9330.00	96.1			P
Antimony				4720.0	4610.00	97.7			P
Arsenic									
Barium				9900.0	9730.00	98.3			P
Beryllium				236.0	240.00	101.7			P
Cadmium				1240.0	1230.00	99.2			P
Calcium				9700.0	9650.00	99.5			P
Chromium				476.0	475.00	99.8			P
Cobalt				2430.0	2400.00	98.8			P
Copper				1200.0	1180.00	98.3			P
Iron				4880.0	4900.00	100.4			P
Lead									
Magnesium				9620.0	9620.00	100.0			P
Manganese				643.0	600.00	93.3			P
Mercury									
Nickel				1930.0	1930.00	100.0			P
Potassium				12300.0	12100.00	98.4			P
Selenium									
Silver				487.0	474.00	97.3			
Sodium				8750.0	8840.00	101.0			P
Thallium									
Vanadium				2400.0	2370.00	98.8			P
Zinc				959.0	982.00	102.4			P
Cyanide									

1

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	4800.0	4830.00	100.6	9710.0	9850.00	101.4	9700.00	99.9	P
Antimony	2310.0	2410.00	104.3	4720.0	4760.00	100.8	4870.00	103.2	P
Arsenic									
Barium	4900.0	4910.00	100.2	9900.0	9770.00	98.7	9750.00	98.5	P
Beryllium	118.0	118.00	100.0	236.0	234.00	99.2	237.00	100.4	P
Cadmium	598.0	614.00	102.7	1240.0	1220.00	98.4	1290.00	104.0	P
Calcium	4770.0	4910.00	102.9	9700.0	9770.00	100.7	9980.00	102.9	P
Chromium	242.0	247.00	102.1	476.0	473.00	99.4	483.00	101.5	P
Cobalt	1190.0	1220.00	102.5	2430.0	2420.00	99.6	2480.00	102.1	P
Copper	597.0	598.00	100.2	1200.0	1210.00	100.8	1190.00	99.2	P
Iron	2450.0	2550.00	104.1	4880.0	5030.00	103.1	4980.00	102.0	P
Lead									
Magnesium	4690.0	4830.00	103.0	9620.0	9650.00	100.3	10100.00	105.0	P
Manganese	318.0	314.00	98.7	643.0	623.00	96.9	633.00	98.4	P
Mercury	2.0	2.03	101.5	5.0	5.21	104.2	5.76	115.2	CV
Nickel	958.0	968.00	101.0	1930.0	1910.00	99.0	1990.00	103.1	P
Potassium	6350.0	6120.00	96.4	12300.0	12200.00	99.2	11300.00	91.9	P
Selenium									
Silver	247.0	249.00	100.8	487.0	488.00	100.2	489.00	100.4	
Sodium	4240.0	4540.00	107.1	8750.0	8770.00	100.2	9350.00	106.9	P
Thallium									
Vanadium	1180.0	1190.00	100.8	2400.0	2370.00	98.8	2410.00	100.4	P
Zinc	458.0	488.00	106.6	959.0	969.00	101.0	998.00	104.1	P
Cyanide									

1

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

Initial Calibration Source: NIST

Continuing Calibration Source: NIST

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				9710.0	9670.00	99.6	9630.00	99.2	P
Antimony				4720.0	4770.00	101.1	4690.00	99.4	P
Arsenic									
Barium				9900.0	9780.00	98.8	9790.00	98.9	P
Beryllium				236.0	237.00	100.4	237.00	100.4	P
Cadmium				1240.0	1250.00	100.8	1240.00	100.0	P
Calcium				9700.0	9820.00	101.2	9690.00	99.9	P
Chromium				476.0	476.00	100.0	471.00	98.9	P
Cobalt				2430.0	2430.00	100.0	2390.00	98.4	P
Copper				1200.0	1180.00	98.3	1180.00	98.3	P
Iron				4880.0	5090.00	104.3	4990.00	102.3	P
Lead									
Magnesium				9620.0	9870.00	102.6	9700.00	100.8	P
Manganese				643.0	634.00	98.6	624.00	97.0	P
Mercury				5.0	5.70	114.0	5.56	111.2	CV
Nickel				1930.0	1950.00	101.0	1920.00	99.5	P
Potassium				12300.0	12500.00	101.6	11900.00	96.7	P
Selenium									
Silver				487.0	492.00	101.0	484.00	99.4	
Sodium				8750.0	9230.00	105.5	9180.00	104.9	P
Thallium									
Vanadium				2400.0	2390.00	99.6	2380.00	99.2	P
Zinc				959.0	983.00	102.5	975.00	101.7	P
Cyanide									

1

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A G No.: A5-F1

Initial Calibration Source: INORGANIC VENTURES

Continuing Calibration Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic	30.0	29.39	98.0	20.0	20.22	101.1	20.49	102.5	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	30.0	29.10	97.0	20.0	19.25	96.3	20.19	101.0	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	30.0	29.11	97.0	20.0	18.60	93.0	18.45	92.3	F
Silver									
Sodium									
Thallium	30.0	31.10	103.7	20.0	19.90	99.5	19.90	99.5	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A G No.: A5-F1

Initial Calibration Source: INORGANIC VENTURES

Continuing Calibration Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1	Continuing Calibration True	Found	%R(1	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic				20.0	21.11	105.6	21.93	109.7	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				20.0	20.58	102.9	20.70	103.5	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				20.0	19.35	96.8	18.98	94.9	F
Silver									
Sodium									
Thallium				20.0	19.40	97.0	20.30	101.5	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A G No.: A5-F1

Initial Calibration Source: INORGANIC VENTURES

Continuing Calibration Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1	Continuing Calibration True	Found	%R(1	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic				20.0	20.30	101.5	21.95	109.8	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				20.0	20.36	101.8	20.06	100.3	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				20.0	18.99	95.0	18.33	91.7	F
Silver									
Sodium									
Thallium				20.0	20.40	102.0	20.60	103.0	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A G No.: A5-F1

Initial Calibration Source: INORGANIC VENTURES

Continuing Calibration Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1	Continuing Calibration True	Found	%R(1	Found	%R(1)	M
Aluminum									
Antimony									
Arsenic				20.0	19.98	99.9	20.13	100.7	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				20.0	20.58	102.9			F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				20.0	18.19	91.0	18.11	90.6	F
Silver									
Sodium									
Thallium				20.0	20.50	102.5			F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A G No.: A5-F1

Initial Calibration Source: INORGANIC VENTURES

Continuing Calibration Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic	30.0	28.72	95.7	20.0	20.35	101.8	20.76	103.8	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	30.0	30.37	101.2	20.0	20.40	102.0	21.37	106.9	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				20.0	18.16	90.8	17.94	89.7	F
Silver									
Sodium									
Thallium	30.0	32.10	107.0	20.0	21.40	107.0	21.80	109.0	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A G No.: A5-F1

Initial Calibration Source: INORGANIC VENTURES

Continuing Calibration Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic	30.0	29.90	99.7	20.0	20.65	103.3	20.60	103.0	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				20.0	21.00	105.0	21.08	105.4	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	30.0	30.72	102.4	20.0	19.19	96.0	19.02	95.1	F
Silver									
Sodium									
Thallium				20.0	21.40	107.0	21.80	109.0	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A G No.: A5-F1

Initial Calibration Source: INORGANIC VENTURES

Continuing Calibration Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic	30.0	30.17	100.6	20.0	20.76	103.8	20.60	103.0	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	30.0	29.90	99.7	20.0	20.47	102.4	20.10	100.5	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				20.0	19.20	96.0	19.21	96.1	F
Silver									
Sodium									
Thallium	30.0	31.40	104.7	20.0	20.40	102.0	21.30	106.5	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A G No.: A5-F1

Initial Calibration Source: INORGANIC VENTURES

Continuing Calibration Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic				20.0	20.30	101.5	20.14	100.7	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				20.0	20.22	101.1			F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				20.0	18.97	94.9	19.13	95.7	F
Silver									
Sodium									
Thallium				20.0	21.30	106.5	21.70	108.5	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

01129

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A G No.: A5-F1

Initial Calibration Source: INORGANIC VENTURES

Continuing Calibration Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									
Antimony									
Arsenic				20.0	20.28	101.4	20.51	102.6	F
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	30.0	28.80	96.0	20.0	19.64	98.2	20.49	102.5	F
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium				20.0	19.06	95.3			F
Silver									
Sodium									
Thallium	30.0	32.70	109.0	20.0	21.60	108.0	21.80	109.0	F
Vanadium									
Zinc									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP
3
BLANKS

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or m UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	78.2	U	78.2	U	78.2	U	78.2	U	52.500	B	P
Antimony	56.3	U	56.3	U	56.3	U	56.3	U	56.300	U	P
Arsenic	1.6	U	1.6	U	1.6	U	1.6	U	1.600	U	F
Barium	3.1	B	3.0	B	5.7	B	5.8	B	2.000	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Cadmium	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Calcium	13.1	U	13.7	B	13.1	U	13.1	U	75.300	B	P
Chromium	4.4	U	4.4	U	4.4	U	4.4	U	10.600	B	P
Cobalt	3.1	U	3.1	U	3.1	U	3.1	U	3.100	U	P
Copper	6.8	U	6.8	U	6.8	U	6.8	U	6.800	U	P
Iron	23.3	B	72.8	B	13.3	U	93.2	B	57.700	B	P
Lead	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	F
Magnesium	37.0	U	37.0	U	37.0	U	37.0	U	42.800	B	P
Manganese	1.2	U	1.2	U	1.2	U	1.2	U	1.900	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.130	U	CV
Nickel	7.4	U	7.4	U	7.4	U	7.4	U	8.900	B	P
Potassium	803.0	U	803.0	U	803.0	U	803.0	U	803.000	U	P
Selenium	3.5	U	3.5	U	3.5	U	3.5	U	3.500	U	F
Silver	5.4	U	5.4	U	5.4	U	5.4	U	5.400	U	P
Sodium	224.0	U	224.0	U	293.0	B	224.0	U	224.000	U	P
Thallium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	F
Vanadium	3.5	U	3.5	U	3.5	U	3.5	U	3.500	U	P
Zinc	1.8	U	1.8	U	2.1	B	1.8	U	3.400	B	P
Cyanide											

U.S. EPA - CLP
3
BLANKS

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			78.2	U							P
Antimony			56.3	U							P
Arsenic			1.6	U	1.6	U	1.6	U			F
Barium			3.4	B							P
Beryllium			1.0	U							P
Cadmium			1.5	U							P
Calcium			13.1	U							P
Chromium			4.1	U							P
Cobalt			3.1	U							P
Copper			6.8	U							P
Iron			61.2	B							P
Lead			1.0	U	1.0	U	1.0	U			F
Magnesium			37.0	U							P
Manganese			1.2	U							P
Mercury			0.1	U	0.1	U			0.100	U	CV
Nickel			7.4	U							P
Potassium			803.0	U							P
Selenium			3.5	U	3.5	U	3.5	U			F
Silver			5.4	U							P
Sodium			224.0	U							P
Thallium			1.0	U	1.0	U	1.0	U			F
Vanadium			3.5	U							P
Zinc			1.8	U							P
Cyanide											

01132

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	78.2	U	78.2	U	78.2	U	78.2	U	78.200	U	P
Antimony	56.3	U	56.3	U	56.3	U	56.3	U	56.300	U	P
Arsenic			1.6	U	1.6	U					F
Barium	3.9	B	5.4	B	6.0	B	4.1	B	2.000	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Cadmium	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Calcium	13.1	U	14.2	B	13.1	U	13.1	U	94.700	B	P
Chromium	4.4	U	4.4	U	4.4	U	4.4	U	4.400	U	P
Cobalt	3.1	U	3.1	U	3.1	U	3.1	U	3.100	U	P
Copper	6.8	U	6.8	U	6.8	U	6.8	U	6.800	U	P
Iron	13.3	U	13.3	U	13.3	U	13.3	U	13.300	U	P
Lead			1.0	U							F
Magnesium	37.0	U	37.0	U	37.0	U	37.0	U	37.000	U	P
Manganese	1.2	U	1.4	B	2.8	B	1.5	B	2.400	B	P
Mercury											
Nickel	9.8	B	8.9	B	7.4	U	9.2	B	7.400	U	P
Potassium	803.0	U	803.0	U	803.0	U	803.0	U	803.000	U	P
Selenium			3.5	U	3.5	U	3.5	U			F
Silver	8.1	B	5.4	U	5.4	U	10.0	B	6.000	B	P
Sodium	224.0	U	224.0	U	224.0	U	224.0	U	224.000	U	P
Thallium			1.0	U							F
Vanadium	3.5	U	3.5	U	3.5	U	3.5	U	3.500	U	P
Zinc	1.8	U	1.8	U	1.8	U	1.8	U	4.800	B	P
Cyanide											

U.S. EPA - CLP
3
BLANKS

01133

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			78.2	U							P
Antimony			56.3	U							P
Arsenic	1.6	U	1.6	U	1.6	U					F
Barium			4.9	B							P
Beryllium			1.0	U							P
Cadmium			1.5	U							P
Calcium			13.1	U							P
Chromium			4.1	U							P
Cobalt			3.1	U							P
Copper			6.8	U							P
Iron			13.3	U							P
Lead	1.0	U	1.0	U	1.0	U	1.0	U			F
Magnesium			37.0	U							P
Manganese			1.9	B							P
Mercury											
Nickel			10.4	B							P
Potassium			803.0	U							P
Selenium			3.5	U							F
Silver			5.4	U							P
Sodium			224.0	U							P
Thallium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	F
Vanadium			3.5	U							P
Zinc			1.8	U							P
Cyanide											

U.S. EPA - CLP
3
BLANKS

01134

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			78.2	U							P
Antimony			56.3	U							P
Arsenic	1.6	U	1.6	U	1.6	U					F
Barium			4.9	B							P
Beryllium			1.0	U							P
Cadmium			1.5	U							P
Calcium			13.1	U							P
Chromium			4.1	U							P
Cobalt			3.1	U							P
Copper			6.8	U							P
Iron			13.3	U							P
Lead			1.0	U							F
Magnesium			37.0	U							P
Manganese			1.9	B							P
Mercury											
Nickel			10.4	B							P
Potassium			803.0	U							P
Selenium	3.5	U	3.5	U	3.5	U	3.5	U	3.500	U	F
Silver			5.4	U							P
Sodium			224.0	U							P
Thallium	1.0	U	1.0	U	1.0	U	1.0	U			F
Vanadium			3.5	U							P
Zinc			1.8	U							P
Cyanide											

U.S. EPA - CLP
3
BLANKS

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			78.2	U							P
Antimony			56.3	U							P
Arsenic	1.6	U	1.6	U	1.6	U	1.6	U	1.600	U	F
Barium			4.9	B							P
Beryllium			1.0	U							P
Cadmium			1.5	U							P
Calcium			13.1	U							P
Chromium			4.1	U							P
Cobalt			3.1	U							P
Copper			6.8	U							P
Iron			13.3	U							P
Lead	1.4	B	1.0	U	1.0	U					F
Magnesium			37.0	U							P
Manganese			1.9	B							P
Mercury											
Nickel			10.4	B							P
Potassium			803.0	U							P
Selenium			3.5	U	3.5	U	3.5	U			F
Silver			5.4	U							P
Sodium			224.0	U							P
Thallium			1.0	U							F
Vanadium			3.5	U							P
Zinc			1.8	U							P
Cyanide											

U.S. EPA - CLP
3
BLANKS

01136

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			78.2	U							P
Antimony			56.3	U							P
Arsenic			1.6	U	1.6	U	1.6	U	1.600	U	F
Barium			4.9	B							P
Beryllium			1.0	U							P
Cadmium			1.5	U							P
Calcium			13.1	U							P
Chromium			4.1	U							P
Cobalt			3.1	U							P
Copper			6.8	U							P
Iron			13.3	U							P
Lead	1.0	U	1.0	U	1.0	U	1.0	U	1.250	B	F
Magnesium			37.0	U							P
Manganese			1.9	B							P
Mercury											
Nickel			10.4	B							P
Potassium			803.0	U							P
Selenium			3.5	U							F
Silver			5.4	U							P
Sodium			224.0	U							P
Thallium	1.0	U	1.0	U	1.0	U					F
Vanadium			3.5	U							P
Zinc			1.8	U							P
Cyanide											

U.S. EPA - CLP
3
BLANKS

01137

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			78.2	U							P
Antimony			56.3	U							P
Arsenic			1.6	U	1.6	U	1.6	U	1.600	U	F
Barium			4.9	B							P
Beryllium			1.0	U							P
Cadmium			1.5	U							P
Calcium			13.1	U							P
Chromium			4.1	U							P
Cobalt			3.1	U							P
Copper			6.8	U							P
Iron			13.3	U							P
Lead			1.0	U	1.0	U	1.0	U			F
Magnesium			37.0	U							P
Manganese			1.9	B							P
Mercury											
Nickel			10.4	B							P
Potassium			803.0	U							P
Selenium			2.3	U	2.3	U					F
Silver			5.4	U							P
Sodium			224.0	U							P
Thallium											
Vanadium			3.5	U							P
Zinc			1.8	U							P
Cyanide											

U.S. EPA - CLP
3
BLANKS

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			78.2	U							P
Antimony			56.3	U							P
Arsenic			1.6	U	1.6	U	1.6	U	1.600	U	F
Barium			4.9	B							P
Beryllium			1.0	U							P
Cadmium			1.5	U							P
Calcium			13.1	U							P
Chromium			4.1	U							P
Cobalt			3.1	U							P
Copper			6.8	U							P
Iron			13.3	U							P
Lead			1.0	U	1.0	U					F
Magnesium			37.0	U							P
Manganese			1.9	B							P
Mercury											
Nickel			10.4	B							P
Potassium			803.0	U							P
Selenium			2.3	U	2.3	U					F
Silver			5.4	U							P
Sodium			224.0	U							P
Thallium											
Vanadium			3.5	U							P
Zinc			1.8	U							P
Cyanide											

U.S. EPA - CLP
3
BLANKS

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			78.2	U							P
Antimony			56.3	U							P
Arsenic			1.6	U	1.6	U	1.6	U	1.600	U	F
Barium			4.9	B							P
Beryllium			1.0	U							P
Cadmium			1.5	U							P
Calcium			13.1	U							P
Chromium			4.1	U							P
Cobalt			3.1	U							P
Copper			6.8	U							P
Iron			13.3	U							P
Lead	1.0	U	1.0	U	1.0	U	1.0	U			F
Magnesium			37.0	U							P
Manganese			1.9	B							P
Mercury											
Nickel			10.4	B							P
Potassium			803.0	U							P
Selenium			2.3	U	2.3	U					F
Silver			5.4	U							P
Sodium			224.0	U							P
Thallium											
Vanadium			3.5	U							P
Zinc			1.8	U							P
Cyanide											

U.S. EPA - CLP
3
BLANKS

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A DG No.: A5-F1

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			78.2	U							P
Antimony			56.3	U							P
Arsenic			1.6	U	1.6	U	1.6	U	1.600	U	F
Barium			4.9	B							P
Beryllium			1.0	U							P
Cadmium			1.5	U							P
Calcium			13.1	U							P
Chromium			4.1	U							P
Cobalt			3.1	U							P
Copper			6.8	U							P
Iron			13.3	U							P
Lead	1.0	U	1.0	U	1.0	U	1.0	U			F
Magnesium			37.0	U							P
Manganese			1.9	B							P
Mercury											
Nickel			10.4	B							P
Potassium			803.0	U							P
Selenium			2.3	U	2.3	U					F
Silver			5.4	U							P
Sodium			224.0	U							P
Thallium											
Vanadium			3.5	U							P
Zinc			1.8	U							P
Cyanide											

U.S. EPA - CLP
4
ICP INTERFERENCE CHECK SAMPLE

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

ICP ID Number: 61 ICS Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	418700	384600	417100	387500.0	100.8	412500	383500.0	99.7
Antimony		1058	16	1026.0	97.0	40	1039.0	98.2
Arsenic								
Barium		485	5	507.0	104.6	5	502.0	103.6
Beryllium		482	0	490.0	101.7	0	487.0	101.0
Cadmium		967	-9	948.0	98.0	-9	959.0	99.2
Calcium	184300	240200	185500	239800.0	99.8	184400	238600.0	99.3
Chromium		478	1	485.0	101.5	-1	476.0	99.6
Cobalt		471	-2	470.0	99.8	-1	458.0	97.2
Copper		481	3	481.0	100.0	7	471.0	97.9
Iron	182000	186500	181800	188700.0	101.2	179400	186100.0	99.8
Lead								
Magnesium	237200	256400	239200	248700.0	97.0	243200	252500.0	98.5
Manganese		460	12	500.0	108.7	15	497.0	108.0
Mercury								
Nickel		938	1	927.0	98.8	-4	934.0	99.6
Potassium								
Selenium								
Silver		1039	-6	1046.0	100.7	-9	1020.0	98.2
Sodium								
Thallium								
Vanadium		490	5	506.0	103.3	9	504.0	102.9
Zinc		981	1	994.0	101.3	2	967.0	98.6

U.S. EPA - CLP
4
ICP INTERFERENCE CHECK SAMPLE

01142

Lab Name OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code N/A Case No.: 18221N SAS No.: N/A SDG No.: A5-F1

ICP ID Number: 61 ICS Source: INORGANIC VENTURES

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	418700	384600	406000	378000.0	98.3	403000	377000.0	98.0
Antimony		1058	1905	1050.0	99.2	44	1050.0	99.2
Arsenic								
Barium		485	7	506.0	104.4	3	508.0	104.8
Beryllium		482	0	496.0	102.9	0	504.0	104.6
Cadmium		967	-13	959.0	99.2	-13	965.0	99.8
Calcium	184300	240200	188000	244000.0	101.6	185000	242000.0	100.7
Chromium		478	-1	489.0	102.3	-1	486.0	101.7
Cobalt		471	-2	471.0	100.0	-4	467.0	99.2
Copper		481	12	474.0	98.5	10	474.0	98.5
Iron	182000	186500	182000	190000.0	101.9	181000	190000.0	101.9
Lead								
Magnesium	237200	256400	240000	250000.0	97.5	240000	252000.0	98.3
Manganese		460	14	512.0	111.3	14	498.0	108.3
Mercury								
Nickel		938	9	942.0	100.4	2	947.0	101.0
Potassium								
Selenium								
Silver		1039	-2	1030.0	99.1	1	1020.0	98.2
Sodium								
Thallium								
Vanadium		490	7	508.0	103.7	8	509.0	103.9
Zinc		981	17	1000.0	101.9	4	1010.0	103.0

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

01143

EPA SAMPLE NO.

A5-F2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: _____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		6971.7666		5231.5273		973.34	178.8		P
Antimony	75-125	36.9666		2.0645	U	50.91	72.6	N	P
Arsenic	75-125	3.9994		1.9353		2.10	98.3		F
Barium	75-125	198.8845		24.1039		196.61	88.9		P
Beryllium	75-125	4.6911		.2313	B	4.86	91.8		P
Cadmium	75-125	4.1614		-.2021	U	5.10	81.6		P
Calcium	75-125	1167.3655		274.5471	B	1007.72	88.6		P
Chromium	75-125	24.7525		6.6691		21.51	84.1		P
Cobalt	75-125	44.7490		1.4268	B	50.37	86.0		P
Copper	75-125	24.2120		3.0157		24.43	86.8		P
Iron		7685.1572		6842.0596		1009.88	83.5		P
Lead	75-125	4.9337		5.4585		2.10	-25.0	N	F
Magnesium	75-125	1372.7356		468.0271	B	1010.96	89.5		P
Manganese	75-125	71.0147		27.9952		49.07	87.7		P
Mercury	75-125	.2719		.0358		.27	87.4		CV
Nickel	75-125	48.0998		4.3884		52.10	83.9		P
Potassium	75-125	1178.1743		321.0255	B	1004.37	85.3		P
Selenium	75-125	1.5769		.0983	U	2.02	78.1		F
Silver	75-125	5.5234		.8409	B	5.51	85.0		P
Sodium	75-125	830.1266		32.3187	B	905.03	88.2		P
Thallium	75-125	2.0924		.09925	B	2.02	98.7		F
Vanadium	75-125	55.8822		11.0251		49.94	89.8		P
Zinc	75-125	53.2881		12.9707		49.18	82.0		P
Cyanide									NR

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

01144

EPA SAMPLE NO.

SSA7-W4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: _____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		6043.1943		4502.7529		991.24	155.4		P
Antimony	75-125	41.4988		-.1674	U	51.85	80.0		P
Arsenic	75-125	4.6796		2.5865		2.22	94.3		F
Barium	75-125	235.5635		34.4455		200.23	100.4		P
Beryllium	75-125	5.3607		.3347	B	4.95	101.5		P
Cadmium	75-125	4.9644		-.0140	U	5.20	95.5		P
Calcium	75-125	1794.2454		749.3792		1026.24	101.8		P
Chromium	75-125	28.8400		8.0985		21.91	94.7		P
Cobalt	75-125	54.0475		3.5849	B	51.30	98.4		P
Copper	75-125	28.9501		4.0060		24.88	100.3		P
Iron		9147.3496		7785.3379		1028.44	132.4		P
Lead		15.8397		17.5973		2.22	-79.2		F
Magnesium	75-125	1574.0925		528.0208	B	1029.54	101.6		P
Manganese	75-125	221.2536		151.1716		49.97	140.2	N	P
Mercury	75-125	.2470		.0209		.28	80.8		CV
Nickel	75-125	55.0382		5.3342		53.06	93.7		P
Potassium	75-125	1254.8708		288.3058	B	1022.83	94.5		P
Selenium	75-125	1.6780		.0957	U	2.27	73.9	N	F
Silver	75-125	5.4158		.6284	B	5.61	85.3		P
Sodium	75-125	946.6571		26.5630	B	921.67	99.8		P
Thallium	75-125	2.4788		.1134	B	2.22	106.5		F
Vanadium	75-125	63.6242		12.9576		50.86	99.6		P
Zinc	75-125	84.9790		32.8258		50.08	104.1		P
Cyanide									NR

Comments:

U.S. EPA - CLP **01145** EPA SAMPLE NO.

5B

POST DIGEST SPIKE SAMPLE RECOVERY

A5-F2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	.46		.02	U	.5	92.0		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

U.S. EPA - CLP **01146** EPA SAMPLE NO.

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SSA7-W4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese	75-125	1.88		1.40		.6	80.0		P
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

U.S. EPA - CLP 01147 EPA SAMPLE NO.

6
DUPLICATES

A5-F2

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5231.5273		5233.7529		.04		P
Antimony		2.0645	U	2.4403	U			P
Arsenic	.99	1.9353		1.9452		.01		F
Barium	21	24.1039		24.4028		.3		P
Beryllium		.2313	B	.2290	B	.002		P
Cadmium		-.2021	U	-.2397	U			P
Calcium		274.5471	B	262.2228	B	12.3		P
Chromium		6.6691		7.3422		9.6		P
Cobalt		1.4268	B	1.4984	B	.07		P
Copper	2.7	3.0157		3.2537		.2		P
Iron		6842.0596		7160.2871		4.5		P
Lead	1.5	5.4585		10.3216		4.9	*	F
Magnesium		468.0271	B	469.8605	B	1.8		P
Manganese		27.9952		30.3964		8.2		P
Mercury	.011	.0358		.0347		.001		CV
Nickel	4.3	4.3884		4.9662		.6		P
Potassium		321.0255	B	312.5267	B	8.5		P
Selenium		.0983	U	.0819	U			F
Silver		.8409	B	.3757	U	.8		P
Sodium		32.3187	B	33.0722	B	.8		P
Thallium		.09925	B	.0114	U	.1		F
Vanadium	5.4	11.0251		11.3451		.3		P
Zinc	2.1	12.9707		9.7290		3.2	*	P
Cyanide								NR

U.S. EPA - CLP **01148** EPA SAMPLE NO.

6
DUPLICATES

SSA7-W4

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		4502.7529		4127.8652		8.7		P
Antimony		-.1674	U	.9676	U			P
Arsenic	1.1	2.5865		2.2562		.3		F
Barium	22	34.4455		34.3438		.1		P
Beryllium		.3347	B	.3489	B	.01		P
Cadmium		-.0140	U	.0341	U			P
Calcium	550	749.3792		793.6509		44.3		P
Chromium		8.0985		8.4539		4.3		P
Cobalt		3.5849	B	4.1939	B	.6		P
Copper	2.8	4.0060		4.5902		.6		P
Iron		7785.3379		7606.2803		2.3		P
Lead		17.5973		16.0998		8.9		F
Magnesium		528.0208	B	542.6766	B	14.7		P
Manganese		151.1716		162.9131		7.5		P
Mercury	.011	.0209		.0203		.0006		CV
Nickel	4.4	5.3342		5.3057		.03		P
Potassium		288.3058	B	277.3925	B	10.9		P
Selenium		.0957	U	.0986	U			F
Silver	1.1	.6284	B	1.2329		.6		P
Sodium		26.5630	B	22.7858	U	26.6		P
Thallium		.1134	B	.0986	U	.1		F
Vanadium	5.5	12.9576		13.3192		.4		P
Zinc		32.8258		36.4353		10.4		P
Cyanide								NR

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

01149

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Solid LCS Source: _____

Aqueous LCS Source: INORGANIC VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9005.0	9000.00	99.9						
Antimony	471.0	463.00	98.3						
Arsenic									
Barium	1819.0	1880.00	103						
Beryllium	45.0	47.80	106						
Cadmium	47.2	46.90	99.4						
Calcium	9323.0	9790.00	105						
Chromium	199.0	194.00	97.5						
Cobalt	466.0	471.00	101						
Copper	226.0	230.00	102						
Iron	9343.0	9500.00	102						
Lead									
Magnesium	9353.0	9590.00	103						
Manganese	454.0	472.00	104						
Mercury									
Nickel	482.0	479.00	99.4						
Potassium	9292.0	9690.00	104						
Selenium									
Silver	51.0	50.60	99.2						
Sodium	8373.0	8720.00	104						
Thallium									
Vanadium	462.0	476.00	103						
Zinc	455.0	472.00	104						
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

01150

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Solid LCS Source: _____

Aqueous LCS Source: INORGANIC VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9005.0	9190.00	102						
Antimony	471.0	470.00	99.8						
Arsenic									
Barium	1819.0	1870.00	103						
Beryllium	45.0	46.10	102						
Cadmium	47.2	52.90	112						
Calcium	9323.0	9920.00	106						
Chromium	199.0	192.00	96.5						
Cobalt	466.0	471.00	101						
Copper	226.0	232.00	103						
Iron	9343.0	9480.00	101						
Lead									
Magnesium	9353.0	9430.00	101						
Manganese	454.0	469.00	103						
Mercury									
Nickel	482.0	475.00	98.5						
Potassium	9292.0	10100.00	109						
Selenium									
Silver	51.0	52.10	102						
Sodium	8373.0	8680.00	104						
Thallium									
Vanadium	462.0	473.00	102						
Zinc	455.0	476.00	105						
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

01151

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Solid LCS Source: _____

Aqueous LCS Source: INORGANIC VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic	20.0	19.70	98.5						
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	20.0	21.60	108						
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Solid LCS Source: _____

Aqueous LCS Source: INORGANIC VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	20.0	20.30	102						
Silver									
Sodium									
Thallium	20.0	22.00	110						
Vanadium									
Zinc									
Cyanide									

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

01153

Lab Name: OHM ANALYTICAL DIVISION Contract: NFESC

Lab Code: _____ Case No.: 18221N SAS No.: _____ SDG No.: A5-F1

Solid LCS Source: _____

Aqueous LCS Source: INORGANIC VENTURES

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic	20.0	19.70	98.5						
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	20.0	22.60	113						
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium	20.0	19.90	99.5						
Silver									
Sodium									
Thallium	20.0	22.20	111						
Vanadium									
Zinc									
Cyanide									

01154

Inorganics
Conventionals

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

01155

Lab Name: *Analytical Services Corp* Contract: NFESC

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: AS-F1

DW No.: N/A

EPA Sample No.	Lab Sample ID.
AS-F1	JP9918
AS-F2	JP9919
AS-F3	JP9920
AS-F4	JP9921
AS-F5	JP9922
AS-W1	JP9923
AS-W2	JP9924
AS-W3	JP9925
DUP-001	JP9916
DUP-002	JP9917

Were ICP interelement corrections applied? Yes/NO ___

Were ICP background corrections applied? Yes/NO ___
If YES - were raw data generated before application of background corrections? Yes/NO ___

COMMENTS: DUE to the batch size of this SDG, two sets of QC were performed. DES

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's Designee, as verified by the following signature.

Signature: Joseph A. Hnatow Name: Joseph A. Hnatow

Date: 9/20/96 Title: Lab Manager

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

01156

Lab Name: *Analytical Services Corp* Contract: NFESC

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

DW No.: N/A

EPA Sample No.	Lab Sample ID.
SSA-W5	JP9912
SSA7-F1	JP9896
SSA7-F2	JP9897
SSA7-F3	JP9898
SSA7-F4	JP9899
SSA7-F5	JP9900
SSA7-TF1	JP9901
SSA7-TF2	JP9902
SSA7-TF3	JP9903
SSA7-TF4	JP9904

Were ICP interelement corrections applied? Yes/NO ___

Were ICP background corrections applied? Yes/NO ___
If YES - were raw data generated before application of background corrections? Yes/NO ___

COMMENTS: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's Designee, as verified by the following signature.

Signature: Joseph A. Hnatow Name: Joseph A. Hnatow

Date: 9/20/96 Title: Lab Manager

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

01157

Lab Name: *Analytical Services Corp* Contract: NFESC

Lab Code: N/A Case #: ~~0128 DES~~ 018221N SAS #: N/A SDG #: A5-F1

DW No.: N/A

EPA Sample No.	Lab Sample ID.
SSA7-TF5	JP9905
SSA7-TF6	JP9906
SSA7-TF7	JP9907
SSA7-W1	JP9908
SSA7-W2	JP9909
SSA7-W3	JP9910
SSA7-W4	JP9911
SSA7-W6	JP9913
SSA7-W7	JP9914
SSA7-W8	JP9915

Were ICP interelement corrections applied? Yes/NO ___

Were ICP background corrections applied? Yes/NO ___
If YES - were raw data generated before application of background corrections? Yes/NO ___

COMMENTS: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's Designee, as verified by the following signature.

Signature: Joseph A. Hnatow Name: Joseph A. Hnatow

Date: 9/20/96 Title: Lab Manager

Narrative for SDG # A5-F1

Conventionals

CLP Forms and/or analytical requirements do not apply to all Conventional Level C deliverable requirements. Every effort was made to conform to the CLP format and all applicable CLP/Level C forms have been included.

The method qualifier for Total Cyanide is "CY". The CLP manual does not address these results or this method for reporting.

The method blank was within QC limits for this SDG.

The matrix spike and matrix spike duplicate were within QC limits for this SDG.

The LCS was within acceptable QC limits.

All sample holding times were met for this SDG.

CONVENTIONAL ANALYSIS DATA SHEET (1)

01159

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: A5-F1

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9918

% Solids: 90.8% Date Received: 07/01/96

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.505	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01160

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: AS-F2

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: AS-F1

Matrix: (soil/water) ~~WATER~~ SOIL Level: (low/med) LOW Lab Sample ID: JP9919

% Solids: 91.6% Date Received: 07 /01 /91

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.487	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01161

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: AS-F3

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: AS-F1

Matrix: (soil/water) Soil Level: (low/med) LOW Lab Sample ID: JP9920

% Solids: 88.6% Date Received: 07 / 01 / 96

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.594	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01162

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: AS-F4

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: AS-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9921

% Solids: 84.4% Date Received: 07/01/96

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.494	U		CN
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01163

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: A5-F5

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9922

% Solids: 93.6% Date Received: 07/01/9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.562	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01164

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: AS-W1

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: AS-F1

Matrix: (soil/water) soil Level: (low/med) low Lab Sample ID: JP9923

% Solids: 91.6% Date Received: 07/01/96

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.563	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01165

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: A5-W2

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9924

% Solids: 93.4% Date Received: 07/01/9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.491	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01166

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: AS-W3

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: AS-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP992S

% Solids: 95.5% Date Received: 07 / 01 / 9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.551	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01167

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: DUP-001

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: AS-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9916

% Solids: 76.5% Date Received: 07 /01 /9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.605	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01168

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: DUP-00

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: AS-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9917

% Solids: 86.4% Date Received: 07/01 A

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.573	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01169

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA-WS

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: AS-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9912

% Solids: 83.3 Date Received: 07 / 01 /9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.522	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01170

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-F1

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) Soil Level: (low/med) LOW Lab Sample ID: JP9896

% Solids: 74.0% Date Received: 07 / 01 /92

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.669	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01171

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-F2

Lab Code: N/A Case #: 01822N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) Soil Level: (low/med) Low Lab Sample ID: JP9897

% Solids: 72.4% Date Received: 07 / 01 92

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.645	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01172

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-F3

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9898

% Solids: 73.8% Date Received: 07/01/96

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.645	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01173

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-F4

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9899

% Solids: 81.1% Date Received: 07 / 01 /96

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.518	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01174

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-F5

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9900

% Solids: 79.2% Date Received: 07 / 01 /9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.658	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01175

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-TF

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) Soil Level: (low/med) LOW Lab Sample ID: JP9901

% Solids: 71.5% Date Received: 07 / 01 /

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.686	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01176

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-TF

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9902

% Solids: 74.7% Date Received: 07 / 01 /

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.656	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01177

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-TF

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9903

% Solids: 78.5% Date Received: 07 / 01 /9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.618	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01178

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-TF

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) soil Level: (low/med) LOW Lab Sample ID: JP9904

% Solids: 79.3% Date Received: 07 / 01 91

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.525	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01179

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-TR

Lab Code: N/A Case #: 018ZZIN SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9905

% Solids: 77.8% Date Received: 07 / 01 /9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.649	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01180

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-TE

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9906

% Solids: 80.3% Date Received: 07 / 01 /

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.629	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01181

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-TF-

Lab Code: N/A Case #: 018721N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) soil Level: (low/med) LOW Lab Sample ID: JP9907

% Solids: 83.5% Date Received: 07/01/96

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.611	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01182

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-W1

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9908

% Solids: 87.7% Date Received: 07/01/96

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.564	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01183

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-W

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9909

% Solids: 89.5% Date Received: 07/01 9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.522	U		CN
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01184

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-W3

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) Soil Level: (low/med) LOW Lab Sample ID: JP9910

% Solids: 91.5% Date Received: 07/01/91

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.492	U		C4
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01185

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-W4

Lab Code: N/A Case #: D18221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9911

% Solids: 88.2% Date Received: 07/01/9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.506	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01186

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-WC

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9913

% Solids: 79.5% Date Received: 07/01/9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.599	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01187

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-W

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9914

% Solids: 85.0% Date Received: 07/01/9

Concentration Units (ug/L or mg/kg dry weight): mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.467	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

CONVENTIONAL ANALYSIS DATA SHEET (1)

01188

Lab Name: *OHM Analytical Division* Contract: NFESC EPA SAMPLE #: SSA7-W

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F

Matrix: (soil/water) SOIL Level: (low/med) LOW Lab Sample ID: JP9915

% Solids: 81.1% Date Received: 07/01/9

Concentration Units (ug/L or mg/kg dry weight): Mg/kg

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
	Cyanide	.555	U		CY
	Cyanide, Ammenable				

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

COMMENTS: _____

BLANKS (3)

01189

Lab Name: *OHM Analytical Div.* Contract: NFESC Lab Code: N/A

Case #: 018221N SAS #: N/A SDG #: A5-F1

Prep Blank Matrix: (soil/water) SOIL

Prep Blank Concentration Units: (ug/L or mg/kg) Mg/Kg

ANALYTE	Init Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L						Preparation Blank	C	M
			1	C	2	C	3	C			
Reactive Cyanide											
Reactive Sulfide											
CYANIDE/T	10.0	U							10.0	U	CY

BLANKS (3)

01190

Lab Name: *OHM Analytical Div.* Contract: NFESC Lab Code: N/A

Case #: 018221N SAS #: N/A SDG #: A5-F1

Prep Blank Matrix: (soil/water) SOIL

Prep Blank Concentration Units: (ug/L or mg/kg) mg/kg

ANALYTE	Init Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L						Preparation Blank	C	M
			1	C	2	C	3	C			
Reactive Cyanide											
Reactive Sulfide											
CYANIDE/T	10.0	U							10.0	U	CY

SPIKE SAMPLE RECOVERY (5A)

01191

Lab Name: *OHM Analytical Div.* Contract: NFESC EPA Sample #: SSA7-F1

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level (low/med): LOW % Solids for Sample: 71.5%

Concentration Units (ug/L or mg/kg dry weight): mg/kg

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	% R	Q	M
Reactive Cyanide									
Reactive Sulfide									
CYANIDE/T	75-125%	14.4		0		14.2	101%		CY

COMMENTS:

SPIKE SAMPLE RECOVERY (5A)

01192

Lab Name: *OHM Analytical Div.* Contract: NFESC EPA Sample #: SSA7-W8

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL Level (low/med): Low % Solids for Sample: 81.1%

Concentration Units (ug/L or mg/kg dry weight): mg/kg

ANALYTE	CONTROL LIMIT %R	SPIKE SAMPLE RESULT (SSR)	C	SAMPLE RESULT (SR)	C	SPIKE ADDED (SA)	% R	Q	M
Reactive Cyanide									
Reactive Sulfide									
CYANIDE/T	75-125%	12.6 ~~25~~		0		12.6	99%		CY

COMMENTS:

DUPLICATES (6)

01193

Lab Name: *OHM Analytical Div.* Contract: NFESC EPA Sample #: SSA7-F1

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL % Solids for Sample: 71.5%

Level (low/med): LOW % Solids for Duplicate: —

Concentration Units (ug/L or mg/kg dry weight): mg/kg

ANALYTE	CONTROL LIMIT	SAMPLE(s)	C	DUPLICATE (D)	C	RPD	Q	M
Reactive Cyanide								
Reactive Sulfide								
CYANIDE/T	0-20%	14.4		12.2		17%		CY

DUPLICATES (6)

01194

Lab Name: *OHM Analytical Div.* Contract: NFESC EPA Sample #: SSA7-W8

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Matrix: (soil/water) SOIL % Solids for Sample: 81.1%

Level (low/med): Low % Solids for Duplicate: —

Concentration Units (ug/L or mg/kg dry weight): mg/kg

ANALYTE	CONTROL LIMIT	SAMPLE(s)	C	DUPLICATE (D)	C	RPD	Q	M
Reactive Cyanide								
Reactive Sulfide								
CYANIDE/T	0-20%	12.5		12.1		3%		CY

LABORATORY CONTROL SAMPLE (7) 01195

Lab Name: *OHM Analytical Division* Contract: NFESC

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Solid LCS Source: — Aqueous LCS Source: ERA

ANALYTE	AQUEOUS (ug/L)			SOLID (mg/kg)					
	True	Found	% R	True	Found	C	Limits		% R
Reactive Cyanide									
Reactive Sulfide									
CYANIDE/T	8.15	7.70	94%						

LABORATORY CONTROL SAMPLE (7)

01196

Lab Name: *OHM Analytical Division* Contract: NFESC

Lab Code: N/A Case #: 018221N SAS #: N/A SDG #: A5-F1

Solid LCS Source: — Aqueous LCS Source: ERA

ANALYTE	AQUEOUS (ug/L)			SOLID (mg/kg)					
	True	Found	% R	True	Found	C	Limits		% R
Reactive Cyanide									
Reactive Sulfide									
CYANIDE/T	8.15	7.90	97%						

Sample Receipt Documentation

"SAMPLE RECEIPT FORM"

01202

Tote____ Box____ Bucket____

Project: 18221

Cooler #: ✓ (607) COC #: 59019

Cooler #: ✓ (502) COC #: 166138

Cooler #: ✓ (616) COC #: 166140

COC #: 166141

Use other side of this form to note further details concerning check-in problems and to specify and describe any action(s) regarding the resolution(s) of problem(s).

1) Have designated person initial here to acknowledge receipt of sample(s): DJ (date) 6/24/96

2) Were sample custody seals on outside of cooler? If Yes, how many & where? ___ yes ✓ no

[___] front [___] back [___] right side [___] left side ___ of ___ intact

seal date: _____ name: _____

3) Were custody papers sealed in a plastic bag & taped inside to the lid? ✓ yes ___ no

No Sample Times listed on COC

4) Were custody papers filled out properly (ink, signed, etc.)? Fedex airbill on COC 166141 does not match any received. ___ yes ___ no

5) Samples came via: [___] A/B [✓] FED EXP [___] UPS [___] H/D [___] other

Attach & enter air bill or invoice number here: 9207959607, 8619965502, 9207959616

6) Describe packing: [✓] sorbent [___] bubble pk [___] paper [___] cardboard [___] rags [___] vermiculite [___] foam [___] peanuts [___] tyvek [___] other: _____

7) Temperature = 19°C (607) 20°C (616) 22°C (502) (Acceptance Range = 2 to 6°C) ___ yes ✓ no

8) Were all bottles sealed in separate plastic bags? ___ yes ✓ no

9) Did all bottles arrive unbroken & in good condition? ✓ yes ___ no

10) Were Custody Seals on sample jar lids? If YES, were they intact upon arrival?
Seal Date: _____ Name: _____ ___ yes ✓ no

11) Labels complete? ~~___~~ yes ✓ no

12) Labels agree with custody papers? If NO, list on other side. ~~___~~ yes ✓ no

[__] Matrix on COC and Jar don't agree

13) Correct containers? ✓ yes ___ no

14) Were preservatives used when required? ✓ yes ___ no

15) Was a sufficient amount of sample sent for tests indicated? ✓ yes ___ no

16) Bubbles in VOA vials? If YES, list samples on other side. NA yes ___ no

pH Range:

[__] Metals 0 to 2 [__] Sulfide > 9 [__] COD < 2

[__] Oil & Grease 0 to 2 [__] Hardness < 2 [__] TOC < 2

[__] Cyanide > 12 [__] Phenols < 2 [__] _____

[__] Health Warnings Listed

C:\WPWIN\FORMS\COOLER.525

"SAMPLE RECEIPT FORM" 01203

Sample Point ID	Comments
	COC 166140: 8 oz jar reads on lid A5-F5 4 oz jar reads on label F5 A5 omitted F5 A5 PJ
	COC 166138: 16 oz jars are not marked with SSA7 + then sample point as listed on COC PJ
	COC 59019: 16 oz jars do not have SSA7 preceding the sample point, the 4 oz jars match the COC PJ
	No sampling times on the COC's. PJ

FedEx. STANDARD OVERNIGHT MON
emp# 230853 21JUN96 17:56 AA
MPS# 920 7959 615 Form 0004
mstr trk# 861 9965 502 003/003 DTW Deliver By: 24JUN96
45840-OH-US K4 TOL

FedEx. STANDARD OVERNIGHT MON
emp# 230853 21JUN96 17:55 AA
Trk# 861 9965 502 Form 0001
MASTER TRACKING# 001/003 DTW Deliver By: 24JUN96
45840-OH-US K4 TOL

Ex. STANDARD OVERNIGHT MON
30853 21JUN96 17:55 AA
920 7959 607 Form 0004
r trk# 861 9965 502 002/003 DTW Deliver By: 24JUN96
5840-OH-US K4 TOL

01204

FedEx USA Airbill

Tracking Number 8619965502

MPS 920 7959 616

Recipient's Copy

1 From

Date 6/21/96

Sender's Name WARE WARBURTON Phone (704) 262-0079

Dept./Floor/Suite/Room

Company OH MATERIALS

Address 1708 FAUVER Rd.

City GLEN ALLEN State VA Zip 23060

2 Your Internal Billing Reference Information

3 To

Recipient's Name OHM REMED. SER. CORP. Phone ( )

Dept./Floor/Suite/Room

Company ANALYTICAL DIVISION

Address 16406 U.S. Rt 224 EAST ATTN: SAMPLE RCVNG.

(To "HOLD" at FedEx location, print FedEx address here)

City FINDLAY State OH Zip 45840

For HOLD at FedEx Location check here

☐ Hold Weekday ☐ Hold Saturday (Not available at all locations)

(Not available with FedEx First Overnight)

For Saturday Delivery check here

☐ (Extra Charge. Not available to all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

8619965502

FedEx 920 7959 616

CUSTOMER PACKAGE TRACKING NUMBER - PULL UP PURPLE TAB

☐ FedEx Overnight ☐ FedEx 2Day* (Second business day)

☐ FedEx Govt. Overnight (Authorized user only) ☐

☐ FedEx Overnight Freight ☐ FedEx 2Day Freight

(For packages over 150 pounds. Call for delivery schedule.)

☐ NEW FedEx First Overnight (Earliest next business morning delivery to select locations) Higher rates apply

*FedEx Letter Rate not available. Minimum charge: One pound FedEx 2Day rate.

5 Packaging

☐ FedEx Letter* ☐ FedEx Pak* (Declared value limit $500.) ☐ FedEx Box ☐ FedEx Tube ☒ Other Packaging

6 Special Handling

Does this shipment contain dangerous goods? ☐ Yes (As per attached Shipper's Declaration) ☐ Yes (Shipper's Declaration not required)

☐ Dry Ice — Dry Ice, 9, UN 1845 III ____ x ____ kg/904 (Dangerous Goods Shipper's Declaration not required)

CA ☐ Cargo Aircraft Only

7 Payment

☐ Obtain Recipient FedEx Account No.

Bill to: ☐ Sender (Account no. in section 1 will be billed) ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

(Enter FedEx account no. or Credit Card no. below)

Total Packages	Total Weight	Total Declared Value*	Total Charges
3	100	$ .00	$

*When declaring a value higher than $100 per package, you pay an additional charge. See SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY section for further information.

Credit Card Auth.

8 Release Signature

MPS 920 7959 607

FedEx 920 7959 607

CUSTOMER PACKAGE TRACKING NUMBER - PULL UP PURPLE TAB

232

Rev. Date 8/95 • PART #147381
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OHM Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 08/89

166140

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: YORKTOWN NWS
PROJECT LOCATION: YORKTOWN, VA
PROJ. NO.: 18221
PROJECT CONTACT: WARE WARBURTON
PROJECT TELEPHONE NO.: (804) 570-9891
CLIENT'S REPRESENTATIVE: JEFF HARLOW
PROJECT MANAGER/SUPERVISOR: LARRY STEARNS/WARE WARBURTON

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): TCL ORGANICS; TAL & INORGANICS; NITRAMINE COMPOUNDS

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	TCL ORGANICS	TAL & INORGANICS	NITRAMINE COMPOUNDS						REMARKS
1	AS-F1	6/19			X	SSA3 FIRE TRAINING AREA AREA AS BURNT AREA - FLOOR SOIL	1-4oz 1-32oz	X	X							
2	AS-F2	6/19			X	SSA3 FIRE TRAINING AREA AREA AS BURNT AREA - FLOOR SOIL	1-4oz 1-32oz	X	X							
3	AS-F3	6/19			X	SSA3 FIRE TRAINING AREA AREA AS BURNT AREA - FLOOR SOIL	1-4oz 1-32oz	X	X							
4	AS-F4	6/19			X	SSA3 FIRE TRAINING AREA AREA AS BURNT AREA - FLOOR SOIL	1-4oz 1-32oz	X	X							
* 5	AS-F5	6/19			X	SSA3 FIRE TRAINING AREA AREA AS BURNT AREA - FLOOR SOIL	1-4oz 1-32oz	X	X							
6	AS-W1	6/19			X	SSA3 FIRE TRAINING AREA AREA AS BURNT AREA - WALL SOIL	1-4oz 1-32oz	X	X							
7	AS-W2	6/19			X	SSA3 FIRE TRAINING AREA AREA AS BURNT AREA - WALL SOIL	1-4oz 1-32oz	X	X							
8	AS-W3	6/19			X	SSA3 FIRE TRAINING AREA AREA AS BURNT AREA - WALL SOIL	1-4oz 1-32oz	X	X							
9	DUP-001	6/19			X	SSA7 DUPLICATE	1-4oz 1-32oz	X	X	X						
10	DUP-002	6/19			X	SSA7 DUPLICATE	1-4oz 1-32oz	X	X	X						

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-10	Paul W Cooper	FED EX AIRBILL # 862071959O	6/20	3:50 PM
2	1-10	Fedex 8619965502	Donita Jones	6-24-96	1602
3					
4					

REMARKS: temp 19°C 20°C 22°C DJ

*SEESRF

SAMPLER'S SIGNATURE: Paul Cooper

01198

OHM Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 08/89

166141

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: YORKTOWN NWS
PROJECT LOCATION: YORKTOWN, VA
PROJ. NO.: 18221
PROJECT CONTACT: WARE WARBURTON
PROJECT TELEPHONE NO.: (804) 570-9891
CLIENT'S REPRESENTATIVE: JEFF HARLOW
PROJECT MANAGER/SUPERVISOR: LARRY STEARNS / WARE WARBURTON

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): TCL ORGANICS; TAL ORGA. INORGANICS; NITRAMINE COMPOUNDS

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	TCL ORGANICS	TAL ORGA. INORGANICS	NITRAMINE COMPOUNDS						REMARKS
1	MS-001	6/19			X	MATRIX SPIKE	1-4oz 1-32oz	X	X	X						
2	MSD-001	6/19			X	MATRIX SPIKE DUPLICATE	1-4oz 1-32oz	X	X	X						
3																
4																
5																
6																
7																
8																
9																
10																

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-2	PAUL W LOOPER	FED EX AIRBILL # 862071961 2	6/20	3:50 PM
2	1,2	Master Cutbill Fedex 861996550 2	Vonita Jones	6/24/96	0554
3					
4					

REMARKS: temp - 19°C, 20°C, 22°C DJ

SAMPLER'S SIGNATURE: Paul Looper

01199

OHM

CHAIN-OF-CUSTODY RECORD

Form 019
Field Technical Services
Rev. 03/88

No. 59019

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: YORKTOWN NWS
PROJECT LOCATION: YORKTOWN, VA
PROJ. NO.: 18221
PROJECT CONTACT: WARE WARBURTON
PROJECT TELEPHONE NO.: (804) 570 9891
CLIENT'S REPRESENTATIVE: JEFF HARLOW
PROJECT MANAGER/SUPERVISOR: LARRY STEARNS / WARE WARBURTON

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): TCL ORGANICS; TAL ORGANICS; NITRAMINE COMPOUNDS

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	TCL ORGANICS	TAL ORGANICS	NITRAMINE COMPOUNDS	REMARKS
* 1	SSA7-F1	6/19			X	SSA7 ROCKET PLANT FLOOR SOIL	1-4oz 1-16oz	X	X	X	
* 2	SSA7-F2	6/19			X	SSA7 ROCKET PLANT FLOOR SOIL	1-4oz 1-16oz	X	X	X	
* 3	SSA7-F3	6/19			X	SSA7 ROCKET PLANT FLOOR SOIL	1-4oz 1-16oz	X	X	X	
* 4	SSA7-F4	6/19			X	SSA7 ROCKET PLANT FLOOR SOIL	1-4oz 1-16oz	X	X	X	
* 5	SSA7-F5	6/19			X	SSA7 ROCKET PLANT FLOOR SOIL	1-4oz 1-16oz	X	X	X	
6	SSA7-TF1	6/19			X	SSA7 ROCKET PLANT TRENCH FLOOR SOIL	1-4oz 1-16oz	X	X	X	
7	SSA7-TF2	6/19			X	SSA7 ROCKET PLANT TRENCH FLOOR SOIL	1-4oz 1-16oz	X	X	X	
8	SSA7-TF3	6/19			X	SSA7 ROCKET PLANT TRENCH FLOOR SOIL	1-4oz 1-16oz	X	X	X	
9	SSA7-TF4	6/19			X	SSA7 ROCKET PLANT TRENCH FLOOR SOIL	1-4oz 1-16oz	X	X	X	
10	SSA7-TF5	6/19			X	SSA7 ROCKET PLANT TRENCH FLOOR SOIL	1-4oz 1-16oz	X	X	X	

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-10	Paul W Berger	FED EX AIRBILL # 8620719601	6/20	NSSTORES
2	1-10	Fedex 8619965502	Lorita Jensen	6/24/95	1032
3					
4					

REMARKS: temp 19°C → 20°C → 22°C

SAMPLER'S SIGNATURE: Paul Campbell

01200

A Subsidiary of Environmental Treatment and Technologies Corp.
The Environmental Services Company

LAB COPY

OHM Remediation Services Corp.

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 08/89

166138

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: YORKTOWN NWS
PROJECT LOCATION: YORKTOWN, VA
PROJ. NO.: 18221
PROJECT CONTACT: WARE WARBURTON
PROJECT TELEPHONE NO.: (804) 570-9891
CLIENT'S REPRESENTATIVE: JEFF HARLOW
PROJECT MANAGER/SUPERVISOR: LARRY STEARNS / WARE WARBURTON

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): TCL ORGANICS; TAL INORGANICS; NITRAMINE COMPOUNDS

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	TCL ORGANICS	TAL INORGANICS	NITRAMINE COMPOUNDS						REMARKS
1	SSA7-TF6	6/19			X	SSA7 ROCKET PLANT TRENCH FLOOR SOIL	1-4oz 1-16oz	X	X	X						
2	SSA7-TF7	6/19			X	SSA7 ROCKET PLANT TRENCH FLOOR SOIL	1-4oz 1-16oz	X	X	X						
* 3	SSA7-W1	6/19			X	SSA7 ROCKET PLANT ~~TRENCH FLOOR SO~~ WALL SOIL	1-4oz 1-16oz	X	X	X						
* 4	SSA7-W2	6/19			X	SSA7 ROCKET PLANT ~~TRENCH~~ WALL SOIL	1-4oz 1-16oz	X	X	X						
* 5	SSA7-W3	6/19			X	SSA7 ROCKET PLANT ~~TRENCH~~ WALL SOIL	1-4oz 1-16oz	X	X	X						
* 6	SSA7-W4	6/19			X	SSA7 ROCKET PLANT WALL SOIL	1-4oz 1-16oz	X	X	X						
* 7	SSA7-W5	6/19			X	SSA7 ROCKET PLANT WALL SOIL	1-4oz 1-16oz	X	X	X						
* 8	SSA7-W6	6/19			X	SSA7 ROCKET PLANT WALL SOIL	1-4oz 1-16oz	X	X	X						
* 9	SSA7-W7	6/19			X	SSA7 ROCKET PLANT WALL SOIL	1-4oz 1-16oz	X	X	X						
* 10	SSA7-W8	6/19			X	SSA7 ROCKET PLANT WALL SOIL	1-4oz 1-16oz	X	X	X						

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-10	Paul W Cooper	FED EX AIRBILL # 86 207 19590	6/20	1552 4ms
2	1-10	Martha Quibell Fedex 861996502	Donita Jensen	6-24 96	1020
3					
4					

REMARKS: SEE SRF

temp 19°C 20°C ↓ 22°C pg

SAMPLER'S SIGNATURE: Paul Camp

01201