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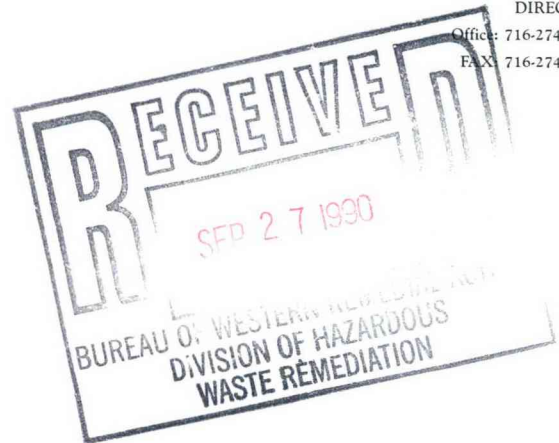
DEPARTMENT OF ENGINEERING

THOMAS R. FREY
COUNTY EXECUTIVE

September 25, 1990

John M. Davis, PE.
DIRECTOR
Office: 716-274-7630
FAX: 716-274-7624

Mr. George Harris
Chief, Remedial Action Section C
Division of Hazardous Waste Remediation
New York State Department of
Environmental Conservation
Room 222
50 Wolf Road
Albany, New York 12233-7010



RE: STATE - MT. HOPE TUNNEL
C-36-745-10
ROCHESTER PURE WATERS DISTRICT

Data from the analysis of liquid, soil and muck samples for the period from July 2, 1990 to July 31, 1990 are enclosed for your information and use.

Sincerely,

Philip W. Steinfeldt

Philip W. Steinfeldt
Associate Engineer

/td
Enclosures

cc: Mr. Mike Khalil, DEC, Avon, w/encl.
Mr. Jim Smith, H & A of New York

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE:	2 July 1990
	Rochester, New York	PAGE:	1 of 2
CLIENT:	STV/Seelye Stevenson Value &	FILE:	7433-82
	Knecht		
CONTRACTOR:	GCF Constructors		
WEATHER:	Partly sunny 75°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 27 and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Performed headspace screening on sample SM27/1720, collected on 28 June 1990, and sample SM27/1650 collected on 29 June 1990, using a Hewlett Packard 5890 Series II gas chromatograph.

No samples were obtained from Sites 15, 27, or 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

Results of headspace screening conducted on sample SM27/1650 indicate unknown compounds at an apparent concentration of 33.59 ppm (calculated as toluene equivalents). Based on comparison of the sample chromatogram with previous muck headspace chromatograms and associated muck analyses by General Testing Corporation, it appears that the detected unknowns consist of a group of compounds routinely observed in previous tunnel muck analyses. Further, the majority of the unknown peak area falls into the elution range of hydrogen sulfide and methane.

PROJECT: STATE ST. - MT. HOPE TUNNEL
 Rochester, New York
 CLIENT: STV/Seelye Stevenson Value &
 Knecht

DATE: 2 July 1990
 PAGE: 2 of 2
 FILE: 7433-82

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

1010-1025
 (0.25 hrs.)

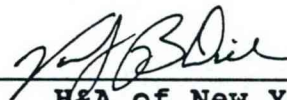
PROCESSING TIME

0800-1010
 1025-1215
 (4.0 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
 Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 2 July 1990
 SHIFT: Day
 DFR NO.: 83

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^S *	TOTAL DETECTED
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^S *	TOTAL DETECTED
SM27/1650**	—	—	—	0.21	0.50	—	—	0.04	0.28	0.24	33.59	34.86
SM27/1720**	—	—	—	—	0.08	—	—	—	0.09	0.20	16.34	16.71

REMARKS/ VISITORS:

No samples were obtained from Sites 15, 27, or 28 as no drop shaft excavation was performed.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

NOTES:

1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.
3. (**) INDICATES SAMPLES WERE COLLECTED ON PREVIOUS DATES AS FOLLOWS:
SM27/1650 - 29 JUNE 1990
SM27/1720 -28 JUNE 1990

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE:	3 July 1990
	Rochester, New York	PAGE:	1 of 2
CLIENT:	STV/Seelye Stevenson Value &	FILE:	7433-82
	Knecht		
CONTRACTOR:	GCF Constructors		
WEATHER:	Sunny 75°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 27 and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27 and performed headspace screening using the Photovac 10s50 gas chromatograph.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT: STATE ST. - MT. HOPE TUNNEL
Rochester, New York
CLIENT: STV/Seelye Stevenson Value &
Knecht

DATE: 3 July 1990
PAGE: 2 of 2
FILE: 7433-82

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

0800-0930
(1.5 hrs.)


PROCESSING TIME

0930-1145
(2.25 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 3 July 1990
 SHIFT: Day
 DFR NO.: 94

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						TOTAL DETECTED
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN*	
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE	TARGET COMPOUNDS					OTHERS						TOTAL DETECTED
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN*	
SM27/0810	—	—	—	—	0.05	—	—	0.01	0.24	3.09	5.07	8.46

REMARKS/ VISITORS:

Collected sample of muck excavated from the 12-ft. diameter drop structure at Site 27 at 0810 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately 76 ft.

below ground surface at the time of sampling.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

- NOTES:
1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
 2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE:	5 July 1990
	Rochester, New York	PAGE:	1 of 2
CLIENT:	STV/Seelye Stevenson Value & Knecht	FILE:	7433-82
CONTRACTOR:	GCF Constructors		
WEATHER:	Sunny 75°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 27 and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained samples of muck excavated from the 12-ft. diameter drop structure at Site 27 and from the 14-ft. diameter structure at Site 28, and performed headspace screening using the Photovac 10s70 gas chromatograph.

No samples were obtained from Site 15 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 5 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 2 of 2 FILE: 7433-82

<u>FIELD REPRESENTATIVE</u>	<u>TIME ON SITE</u>	<u>PROCESSING TIME</u>
S. Parker	0830-0945 (1.25 hrs.)	945-1215 1245-1330 (3.25 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 5 July 1990
 SHIFT: Day
 DFR NO.: 95

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^s	TOTAL DETECTED
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^s	TOTAL DETECTED
SM27/0845	—	—	—	—	—	—	—	—	—	—	0.65	0.65
SM28/0940	—	—	—	—	—	—	—	—	—	—	0.01	0.01

REMARKS/ VISITORS:

Collected sample of muck excavated from the 12-ft. diameter drop structure at Site 27 at 0845 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately 75 ft.

below ground surface at the time of sampling.

Collected sample of muck excavated from the 14-ft. diameter drop structure at Site 28 at 0940 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately 104 ft.

below ground surface at the time of sampling.

No samples were obtained from Site 15 as no drop shaft excavation was performed.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

- NOTES:
1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
 2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE:	6 July 1990
	Rochester, New York	PAGE:	1 of 2
CLIENT:	STV/Seelye Stevenson Value &	FILE:	7433-82
	Knecht		
CONTRACTOR:	GCF Constructors		
WEATHER:	Partly Cloudy 75°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 27 and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27, and performed headspace screening using the Photovac 10s70 gas chromatograph.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT: STATE ST. - MT. HOPE TUNNEL
Rochester, New York
CLIENT: STV/Seelye Stevenson Value &
Knecht

DATE: 6 July 1990
PAGE: 2 of 2
FILE: 7433-82

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

1245-1330
(0.75 hrs.)


PROCESSING TIME

0800-0845
1330-1545
1630-1645
(3.25 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 6 July 1990
 SHIFT: Day
 DFR NO.: 96

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^s	TOTAL DETECTED
	—	—	—	—	—	—	—	—	—	—	—	—
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^s	TOTAL DETECTED
SM27/1305	—	—	—	—	0.02	—	—	—	0.02	0.01	0.37	0.42

REMARKS/ VISITORS:

Collected sample of muck excavated from the 12-ft. diameter drop structure at Site 27 at 1305 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately 77 ft.

below ground surface at the time of sampling.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

- NOTES:
1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
 2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 9 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 1 of 1
CONTRACTOR:	GCF Constructors	FILE: 7433-82
WEATHER:	Cloudy 70°	

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 27 and 28.

FIELD REPRESENTATIVE ACTIVITIES:

No samples were obtained from Sites 15, 27 and 28 as no drop shaft excavation was performed.

No headspace screening was performed, and no Shift Data Tables were prepared.

<u>FIELD REPRESENTATIVE</u>	<u>TIME ON SITE</u>	<u>PROCESSING TIME</u>
S. Parker	1515-1545 (0.5 hrs.)	1400-1515 1545-1645 (1.75 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 10 July 190
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 1 of 1
CONTRACTOR:	GCF Constructors	FILE: 7433-82
WEATHER:	---	

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 27 and 28.

FIELD REPRESENTATIVE ACTIVITIES:

No samples were obtained from Sites 15, 27, and 28 as no excavation was performed.

No headspace screening was performed, and no Shift Data Tables were prepared.

<u>FIELD REPRESENTATIVE</u>	<u>TIME ON SITE</u>	<u>PROCESSING TIME</u>
S. Parker	1600-1630 (0.5 hrs.)	1515-1600 1630-1645 (1.0 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE:	11 July 190
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE:	1 of 2
CONTRACTOR:	GCF Constructors	FILE:	7433-82
WEATHER:	Sunny 80°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of soil excavated from the overflow/weir structure at Site 15, and performed headspace screening using the Hewlett Packard 5890 Series II gas chromatograph.

No samples were obtained from Sites 27 or 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT: STATE ST. - MT. HOPE TUNNEL
Rochester, New York
CLIENT: STV/Seelye Stevenson Value &
Knecht

DATE: 11 July 1990
PAGE: 2 of 2
FILE: 7433-82

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

1415-1500
(0.75 hrs.)


PROCESSING TIME

1345-1415
1500-1630
(2.0 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


H & A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
CLIENT: STW/ SEELYE STEVENSON VALUE & KNECHT
E&A REPRESENTATIVE: S. Parker
CHECKED BY: S. Parker

TUNNEL HEADINGS AT

START: --

END: --

ADVANCE: —

FILE: 7433-82

PAGE: 1 OF 2

DATE: 11 July 1990

SHIFT: Day

DFR NO.: 99

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

[illegible]

TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

[illegible]

H&A OF NEW YORK

REMARKS/ VISITORS:

Collected sample of muck excavated from the overflow/weir structure at Site 15 at 1435 hrs.

Sample obtained from stockpile after materials were hauled to Site 41. The excavation was

advanced to approximately 16 ft. below ground surface at the time of sampling. Sample consisted

of fill visually classified as brown silty coarse to fine SAND, trace brick.

No samples were obtained from Sites 27 and 28 as no drop shaft excavation was performed.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

- NOTES:
1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
 2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE:	12 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE:	1 of 1
CONTRACTOR:	GCF Constructors	FILE:	7433-82
WEATHER:	Partly cloudy 75°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

No samples were obtained from Sites 15, 27, and 28 as no drop shaft excavation was performed.

No headspace screening was performed, and no Shift Data Tables were prepared.

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

1515-1600
(0.75 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 13 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 1 of 2
CONTRACTOR:	GCF Constructors	FILE: 7433-82
WEATHER:	--	

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the overflow/weir structure at Site 28 and sample of soil excavated from the overflow/weir structure at Site 15, and performed headspace screening using the Hewlett Packard 5890 Series II gas chromatograph.

No samples were obtained from Site 27 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT: STATE ST. - MT. HOPE TUNNEL
 Rochester, New York
 CLIENT: STV/Seelye Stevenson Value &
 Knecht

DATE: 13 July 1990
 PAGE: 2 of 2
 FILE: 7433-82

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

0815-0845
 1045-1100
 1330-1400
 (1.25 hrs.)

PROCESSING TIME

1400-1650
 (2.5 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
 Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


 H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 13 July 1990
 SHIFT: Day
 DFR NO.: 101

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN*	TOTAL DETECTED
	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN*	TOTAL DETECTED
SM15/1050	—	—	—	—	—	—	—	—	—	—	0.14	0.14
SM28/1330	—	—	—	—	—	—	—	—	—	—	0.71	0.71

REMARKS/ VISITORS:

Collected sample of soil excavated from the overflow/weir structure at Site 15 at 1050 hrs.

Sample obtained from stockpile after materials were hauled to Site 41. Excavation advanced

to approximately 21 ft. below ground surface at the time of sampling. Sample consisted of fill

visually classified as brown silty coarse to fine SAND, trace brick particles.

Collected sample of muck excavated from the overflow/weir structure at Site 28 at 1330 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately

51 ft. below ground surface at the time of sampling.

No sample was obtained from Site 27 as no drop shaft excavation was performed.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

NOTES: 1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.

2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE:	16 July 1990
	Rochester, New York	PAGE:	1 of 2
CLIENT:	STV/Seelye Stevenson Value &	FILE:	7433-82
	Knecht		
CONTRACTOR:	GCF Constructors		
WEATHER:	--		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27 and from the 14-ft. diameter drop structure at Site 28, and performed headspace screening using the Hewlett Packard 5890 Series II gas chromatograph.

No sample was obtained from Site 15 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT: STATE ST. - MT. HOPE TUNNEL
Rochester, New York
CLIENT: STV/Seelye Stevenson Value &
Knecht

DATE: 16 July 1990
PAGE: 2 of 2
FILE: 7433-82

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

0800-0815

0900-0930

(0.75 hrs.)

PROCESSING TIME

1115-1200

1400-1745

(4.5 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 16 July 1990
 SHIFT: Day
 DFR NO.: 102

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN*	TOTAL DETECTED
	—	—	—	—	—	—	—	—	—	—	—	—
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN*	TOTAL DETECTED
SM28/0800	—	—	—	—	—	—	—	—	—	—	0.62	0.62
SM27/0900	—	—	—	—	—	—	—	—	—	—	0.43	0.43

REMARKS/ VISITORS:

Collected sample of muck excavated from the 14-ft. diameter drop structure at Site 28 at 0800 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately

106 ft. below ground surface at the time of sampling.

Collected sample of muck excavated from the 12-ft. diameter drop structure at Site 27 at 0900 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately

85 ft. below ground surface at the time of sampling.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

- NOTES:
1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
 2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE:	17 July 1990
	Rochester, New York	PAGE:	1 of 2
CLIENT:	STV/Seelye Stevenson Value &	FILE:	7433-82
	Knecht		
CONTRACTOR:	GCF Constructors		
WEATHER:	Partly cloudy 80°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27 and sample of soil excavated from the overflow/weir structure at Site 15, and performed headspace screening using the Hewlett Packard 5890 Series II gas chromatograph.

No samples were obtained from Site 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 17 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 2 of 2
		FILE: 7433-82

<u>FIELD REPRESENTATIVE</u>	<u>TIME ON SITE</u>	<u>PROCESSING TIME</u>
S. Parker	0800-0900 (1.0 hrs.)	0900-1015 1230-1500 (3.75 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 17 July 1990
 SHIFT: Day
 DFR NO.: 103

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^s	TOTAL DETECTED
	—	—	—	—	—	—	—	—	—	—	—	—
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^s	TOTAL DETECTED
SM27/0825	—	—	—	—	—	—	—	—	—	—	0.84	0.84
SM15/0855	—	—	—	—	—	—	—	—	—	—	0.26	0.26

REMARKS/ VISITORS:

Collected sample of muck excavated from the 12-ft. diameter drop structure at Site 27 at 0825 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately

87 ft. below ground surface at the time of sampling.

Collected sample of muck excavated from the overflow/weir structure at Site 15 at 0855 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately

22 ft. below ground surface at the time of sampling. Sample consisted of fill visually classified as

brown silty coarse to fine SAND, trace brick.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

NOTES: 1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.

2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE:	18 July 1990
	Rochester, New York	PAGE:	1 of 2
CLIENT:	STV/Seelye Stevenson Value &	FILE:	7433-82
	Knecht		
CONTRACTOR:	GCF Constructors		
WEATHER:	Sunny 75°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27, and performed headspace screening using the Hewlett Packard 5890 Series II gas chromatograph.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE: 18 July 1990
	Rochester, New York	PAGE: 2 of 2
CLIENT:	STV/Seelye Stevenson Value & Knecht	FILE: 7433-82

<u>FIELD REPRESENTATIVE</u>	<u>TIME ON SITE</u>	<u>PROCESSING TIME</u>
S. Parker	1300-1345 (0.75 hrs.)	1345-1400 1530-1730 (2.25 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 18 July 1990
 SHIFT: Day
 DFR NO.: 104

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN*	TOTAL DETECTED
	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—

TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	O-XYLENE	STYRENE	UNKNOWN*	TOTAL DETECTED
SM27/1300	—	—	—	0.03	0.03	—	—	—	0.04	—	1.54	1.64

REMARKS/ VISITORS:

Collected sample of muck excavated from the 12-ft. diameter drop structure at Site 27 at 1300 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately

90 ft. below ground surface at the time of sampling.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

- NOTES:
1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
 2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 19 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 1 of 1
CONTRACTOR:	GCF Constructors	FILE: 7433-82
WEATHER:	Sunny 80°	

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27 at 1815 hrs. The sample was obtained from the stockpile adjacent to the structure. The excavation was advanced to approximately 90 ft. below ground surface at the time of sampling.

Headspace screening of this sample will be performed on 20 July 1990.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

No Shift Data Tables were prepared.

FIELD REPRESENTATIVE
S. Parker

TIME ON SITE
1730-1830
(1.0 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 20 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 1 of 1
CONTRACTOR:	GCF Constructors	FILE: 7433-82
WEATHER:	Rain 75°	

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

No samples were obtained from Sites 15, 27, and 28 as no drop shaft excavation was performed.

Performed headspace screening on sample SM27/1815, collected on 19 July 1990, using the Hewlett Packard 5890 Series II gas chromatograph.

TEST DATA SUMMARY

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

<u>FIELD REPRESENTATIVE</u>	<u>TIME ON SITE</u>	<u>PROCESSING TIME</u>
S. Parker	0630-0700 1530-1630 (1.5 hrs.)	0700-0730 (0.5 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 20 July 1990
 SHIFT: Day
 DFR NO.: 106

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN [*]	TOTAL DETECTED
	—	—	—	—	—	—	—	—	—	—	—	—
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN [*]	TOTAL DETECTED
SM27/1815**	—	—	—	0.02	0.11	—	—	—	—	—	1.60	1.73

REMARKS/ VISITORS:

No samples were obtained from Sites 15, 27, and 28 as no drop shaft excavation was performed.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

NOTES:

1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.
3. (**) INDICATES SAMPLE WAS COLLECTED ON 19 JULY 1990.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE:	23 July 1990
	Rochester, New York	PAGE:	1 of 1
CLIENT:	STV/Seelye Stevenson Value &	FILE:	7433-82
	Knecht		
CONTRACTOR:	GCF Constructors		
WEATHER:	Partly cloudy 80°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27 at 1800 hrs. The sample was obtained from the stockpile adjacent to the structure. The excavation was advanced to approximately 92 ft. below ground surface at the time of sampling.

Headspace screening will be performed on 24 July 1990.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

No Shift Data Tables were prepared.

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

1815-1900
(0.75 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


H&A of New York

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 24 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 1 of 1
CONTRACTOR:	GCF Constructors	FILE: 7433-82
WEATHER:	Sunny 85°	

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Performed headspace screening on sample SM27/1800, collected on 23 July 1990, using the Photovac 10s50 gas chromatograph.

No samples were obtained from Sites 15, 27 or 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

<u>FIELD REPRESENTATIVE</u>	<u>TIME ON SITE</u>	<u>PROCESSING TIME</u>
S. Parker	1645-1730 (0.75 hrs.)	1230-1330 (1.0 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
H&A REPRESENTATIVE: S. Parker
CHECKED BY: S. Parker

TUNNEL HEADINGS AT
START: —
END: —
ADVANCE: —

FILE: 7433-82
PAGE: 1 OF 2
DATE: 24 July 1990
SHIFT: Day
DFR NO.: 108

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

[illegible]

TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

[illegible]

REMARKS/ VISITORS:

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

NOTES:

1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.
3. (**) INDICATES SAMPLE WAS COLLECTED ON 23 JULY 1990.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE: 25 July 1990
	Rochester, New York	PAGE: 1 of 2
CLIENT:	STV/Seelye Stevenson Value &	FILE: 7433-82
	Knecht	
CONTRACTOR:	GCF Constructors	
WEATHER:	Sunny 80°	

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27, and performed headspace screening using the Photovac 10s50 gas chromatograph.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 25 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 2 of 2
		FILE: 7433-82

<u>FIELD REPRESENTATIVE</u>	<u>TIME ON SITE</u>	<u>PROCESSING TIME</u>
S. Parker	1845-1900 (0.25 hrs.)	1800-1845 1900-1945 (1.5 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 25 July 1990
 SHIFT: Day
 DFR NO.: 109

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^S	TOTAL DETECTED
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^S	TOTAL DETECTED
SM27/1550	—	—	—	—	—	—	—	—	—	—	0.04	0.04

REMARKS/ VISITORS:

Collected sample of muck excavated from the 14-ft. diameter drop structure at Site 27 at 1550 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately

95 ft. below ground surface at the time of sampling.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

- NOTES:
1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
 2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 26 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 1 of 2
CONTRACTOR:	GCF Constructors	FILE: 7433-82
WEATHER:	Sunny 80°	

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 27 and 28.

FIELD REPRESENTATIVE ACTIVITIES:

No samples were obtained from Sites 15, 27, and 28 as no drop shaft excavation was performed.

Collected tunnel seep samples from Station 69+74 for laboratory testing and performed headspace analysis on one sample using the Photovac 10s50 gas chromatograph. Delivered remaining samples to General Testing Company for analysis for volatile and semi-volatile target compounds referenced in the 1 March 1990 workplan and for evaluation of corrosion potential.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT: STATE ST. - MT. HOPE TUNNEL
Rochester, New York
CLIENT: STV/Seelye Stevenson Value &
Knecht

DATE: 26 July 1990
PAGE: 2 of 2
FILE: 7433-82

FIELD REPRESENTATIVETIME ON SITEPROCESSING TIME

S. Parker

1300-1415
1445-1645
(3.25 hrs.)

1030-1200
1645-1745
(2.5 hrs.)

F. Amos

1445-1615
(1.5 hrs.)

1630-1700
(0.5 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 26 July 1990
 SHIFT: Day
 DFR NO.: 110

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^s	TOTAL DETECTED
	—	—	—	—	—	—	—	—	—	—	—	—
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN ^s	TOTAL DETECTED
TS/1535	—	—	—	—	—	—	**	—	—	—	0.025	0.025

REMARKS/ VISITORS:

Collected tunnel seep samples at Station 69 + 74 R at 1535 hrs. Sample collected from

lower quarterpoint fracture on tunnel wall, and consisted of clear, colorless groundwater.

Performed headspace screening on one sample, and submitted remaining samples to General

Testing Company for analysis of volatile and semi-volatile target compounds, and for

evaluation of corrosion potential.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

- NOTES:
1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
 2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.
 3. (**) HYDROGEN SULFIDE BELIEVED TO BE PRESENT BASED ON RETENTION TIME OF CHROMATOGRAM PEAK.
RESULT NOT QUANTIFIED DUE TO LACK OF AQUEOUS STANDARD AT TIME OF SAMPLE SCREENING.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE:	27 July 1990
	Rochester, New York	PAGE:	1 of 1
CLIENT:	STV/Seelye Stevenson Value &	FILE:	7433-82
	Knecht		
CONTRACTOR:	GCF Constructors		
WEATHER:	Sunny 85°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

No samples were obtained from Sites 15, 27, and 28 as no drop shaft excavation was performed, and no headspace screening was performed.

No Shift Data Tables were prepared.

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

1415-1500
(0.75 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


H&A of New York

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE:	30 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE:	1 of 2
CONTRACTOR:	GCF Constructors	FILE:	7433-82
WEATHER:	Cloudy 75°		

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27, and performed headspace screening using the Photovac 10s50 gas chromatograph.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT: STATE ST. - MT. HOPE TUNNEL
Rochester, New York
CLIENT: STV/Seelye Stevenson Value &
Knecht

DATE: 30 July 1990
PAGE: 2 of 2
FILE: 7433-82

FIELD REPRESENTATIVE

S. Parker

TIME ON SITE

1400-1445
(0.75 hrs.)

PROCESSING TIME

0800-1145
1215-1400
1445-1630
(7.25 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt


H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 30 July 1990
 SHIFT: Day
 DFR NO.: 112

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN*	TOTAL DETECTED
	—	—	—	—	—	—	—	—	—	—	—	—
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TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	O-XYLENE	UNKNOWN*	TOTAL DETECTED
SM27/1445	—	—	—	—	—	—	—	—	0.03	0.02	0.53	0.58

REMARKS/ VISITORS:

Collected sample of muck excavated from the 12-ft. diameter drop structure at Site 27 at 1445 hrs.

Sample obtained from stockpile adjacent to the structure. Excavation advanced to approximately

96 ft. below ground surface at the time of sampling.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

NOTES: 1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.

2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.

DAILY FIELD REPORT

PROJECT:	STATE ST. - MT. HOPE TUNNEL Rochester, New York	DATE: 31 July 1990
CLIENT:	STV/Seelye Stevenson Value & Knecht	PAGE: 1 of 2
CONTRACTOR:	GCF Constructors	FILE: 7433-82
WEATHER:	Sunny 75°	

CONTRACTOR ACTIVITIES:

Continued work on surface structures and/or drop structures at Sites 15, 27, and 28.

FIELD REPRESENTATIVE ACTIVITIES:

Obtained sample of muck excavated from the 12-ft. diameter drop structure at Site 27, and performed headspace screening using the Photovac 10s50 gas chromatograph.

No samples were obtained from Sites 15 and 28 as no drop shaft excavation was performed.

TEST DATA SUMMARY:

None of the action threshold levels for the targeted compounds referenced in the 1 March 1990 workplan (benzene, toluene, 1,2-DCE, methylene chloride, and vinyl chloride) were exceeded during the monitoring period.

Headspace screening data are summarized on the attached Shift Data Table.

PROJECT:	STATE ST. - MT. HOPE TUNNEL	DATE: 31 July 1990
	Rochester, New York	PAGE: 2 of 2
CLIENT:	STV/Seelye Stevenson Value & Knecht	FILE: 7433-82

<u>FIELD REPRESENTATIVE</u>	<u>TIME ON SITE</u>	<u>PROCESSING TIME</u>
S. Parker	1230-1330 (0.5 hrs.)	1300-1530 (2.5 hrs.)

DISTRIBUTION

STV/Seelye Stevenson: Mr. Richard Richter
Mr. Suki Suresh

MCDOE: Mr. Phil Steinfeldt



H&A of New York

SHIFT DATA TABLE

PROJECT: STATE ST. MT. HOPE AVE TUNNEL
 CLIENT: STV/ SEELYE STEVENSON VALUE & KNECHT
 H&A REPRESENTATIVE: S. Parker
 CHECKED BY: S. Parker

TUNNEL HEADINGS AT
 START: —
 END: —
 ADVANCE: —

FILE: 7433-82
 PAGE: 1 OF 2
 DATE: 31 July 1990
 SHIFT: Day
 DFR NO.: 113

TUNNEL AIR SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN [*]	TOTAL DETECTED
	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—

TUNNEL MUCK/ SHAFT/ GROUNDWATER SAMPLES

APPARENT VOLATILE ORGANIC COMPOUNDS DETECTED IN PPM

SAMPLE TYPE TIME	TARGET COMPOUNDS					OTHERS						
	VINYL CHLORIDE	METHYLENE CHLORIDE	1,2-DCE	BENZENE	TOLUENE	METHANE (PERCENT)	HYDROGEN SULFIDE	ETHYL BENZENE	M-XYLENE	STYRENE	UNKNOWN [*]	TOTAL DETECTED
SM27/1235	—	—	—	—	—	—	—	—	—	—	0.15	0.15

REMARKS/ VISITORS:

Collected sample of muck excavated from the overflow/bypass conduit structure at Site 27 at 1235 hrs.

Sample obtained from stockpile adjacent to Control Structure 41. Excavation advanced to approximately 33 ft. below

ground surface at the time of sampling. Sample consisted of fill visually classified as brown

silty coarse to fine SAND, little clay.

ABBREVIATIONS:

SAMPLE TYPE:

TM	TUNNEL MUCK
TS	TUNNEL SEEP
SM#	SHAFT SOIL OR MUCK FROM SITE 15, 27, OR 28

- NOTES:
1. (*) UNIDENTIFIED CHROMATOGRAM PEAKS EXPRESSED IN TOLUENE EQUIVALENTS.
 2. COMPOUNDS LESS THAN 10 PPB NOT REPORTED.