



*file  
HAFB 95  
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**DEPARTMENT OF THE AIR FORCE**

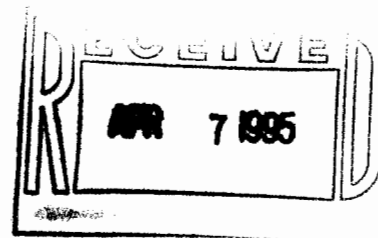
HEADQUARTERS 49TH FIGHTER WING (ACC)  
HOLLOMAN AIR FORCE BASE, NEW MEXICO

*RAK ✓  
Barbara*

05 APR 1995

MEMORANDUM FOR NEW MEXICO ENVIRONMENT DEPARTMENT

Hazardous and Radioactive Materials Bureau  
Attn: Barbara Hodischek  
525 Camino De Los Marquez  
P.O. Box 26110  
Santa Fe, NM 87502



FROM: 49 CES/CEV  
550 Tabosa Ave  
Holloman AFB, NM 88330-8458

SUBJECT: Building 1080 and Hensel Phelps Spill Sites

1. Holloman AFB personnel sampled the subject spill sites on 13 Mar 95. Results show that at all locations the Benzene, Toluene, Ethylbenzene and Xylene (BTEX) and Total Petroleum Hydrocarbon (TPH) were under regulatory levels; however, there were a few "hits". Attachment 1 is the analytical results with a summary; Atchs 2 and 3 are location maps.

2. In your 20 Feb 95 letter, you requested a schedule and timeline. However, my response was for the spill sites only. The schedule for the spill soil piles is as follows:

- a. Sample: 22 Mar 95
- b. Samples received at laboratory: 23 Mar 95
- c. Analysis received from laboratory: 31 Mar 95
- d. Report to NMED: 7 Apr 95

3. Please contact Cathy Giblin at (505)475-5040 if you have any questions.

*Howard E. Moffitt*  
HOWARD E. MOFFITT  
Deputy Base Civil Engineer

Attachments:

- 1. Summary of Results/Results
- 2. Building 1080 location map
- 3. Hensel Phelps location map

SUMMARY OF RESULTS

BUILDING 1080 SITE

LOCATION	Total BTEX (mg/Kg)	TPH (mg/Kg)
# 1	NONE DETECTED (ND)	12.9
# 2	0.234 (Xylenes)	671
# 6	ND	38.5
# 8	ND	78.4
# 9	ND	124
# 10	ND	401
# 11	ND	99.1
Duplicate # 1	ND	132
HENSEL PHELPS		
# 1	ND	205
# 2	ND	26.5
# 3	ND	56.5
# 4	ND	54.3
# 5	ND	ND
# 6	ND	ND
Duplicate # 2	ND	8.9
# 7	ND	319
# 8	ND	20.0



**ASSAIGAI  
ANALYTICAL  
LABORATORIES**

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259  
3332 Wedgewood, E-5 • El Paso, Texas 79925 1910 N. Big Springs • Midland, Texas 79705

Report Generated:  
March 21, 1995 15:36

**CERTIFICATE OF ANALYSIS  
RESULTS BY SAMPLE**

SENT 49 CES/CEV  
TO: 550 TABOSA AVE.  
HOLLOMAN AFB, NM 88330-8458

WORKORDER # : 9503114  
WORK ID : CALL #: 95-10  
CLIENT CODE : HAFB01  
DATE RECEIVED : 03/15/95

ATTN: BILLY CLAXTON

Page: 1

Lab ID: 9503114-01A  
Sample ID: GT958034/#1

*BLDG 1080  
SPILL SITE*

Collected: 03/13/95 09:32:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-01B  
Sample ID: GT958034/#1

Collected: 03/13/95 09:32:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1						
Total Petroleum HCs	12.9	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-02A  
Sample ID: GT958035/#2

Collected: 03/13/95 09:36:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	50.0	03/21/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	50.0	03/21/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	50.0	03/21/95	SBTXME041
P-&m-Xylene	0.15	mg/Kg	0.0020	50.0	03/21/95	SBTXME041
O-Xylene	0.084	mg/Kg	0.0010	50.0	03/21/95	SBTXME041



Lab ID: 9503114-02B  
Sample ID: GT958035/#2

Collected: 03/13/95 09:36:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	671	mg/Kg	5.0	12.5	03/15/95	STRPH240

Lab ID: 9503114-03A  
Sample ID: GT958036/#6

Collected: 03/13/95 09:40:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-03B  
Sample ID: GT958036/#6

Collected: 03/13/95 09:40:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	38.5	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-04A  
Sample ID: GT958037/#8

Collected: 03/13/95 09:45:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-04B  
Sample ID: GT958037/#8

Collected: 03/13/95 09:45:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	78.4	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-05A  
Sample ID: GT958038/#9

Collected: 03/13/95 09:49:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-05B  
Sample ID: GT958038/#9

Collected: 03/13/95 09:49:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1						
Total Petroleum HCs	124	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-06A  
Sample ID: GT958039/#10

Collected: 03/13/95 09:54:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/21/95	SBTXME041
O-Xylene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041

Lab ID: 9503114-06B  
Sample ID: GT958039/#10

Collected: 03/13/95 09:54:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1						
Total Petroleum HCs	401	mg/Kg	5.0	5.0	03/15/95	STRPH240

Lab ID: 9503114-07A  
Sample ID: GT958040/#11

Collected: 03/13/95 09:56:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-05A  
Sample ID: GT958038/#9

Collected: 03/13/95 09:49:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-05B  
Sample ID: GT958038/#9

Collected: 03/13/95 09:49:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	124	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-06A  
Sample ID: GT958039/#10

Collected: 03/13/95 09:54:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/21/95	SBTXME041
O-Xylene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041

Lab ID: 9503114-06B  
Sample ID: GT958039/#10

Collected: 03/13/95 09:54:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	401	mg/Kg	5.0	5.0	03/15/95	STRPH240

Lab ID: 9503114-07A  
Sample ID: GT958040/#11

Collected: 03/13/95 09:56:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-07A  
Sample ID: GT958040/#11

Collected: 03/13/95 09:56:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020 O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-07B  
Sample ID: GT958040/#11

Collected: 03/13/95 09:56:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	99.1	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-08A  
Sample ID: DUPLICATE #1

Collected: 03/13/95  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020 Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-08B  
Sample ID: DUPLICATE #1

Collected: 03/13/95  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	132	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-09A  
Sample ID: GT958041/#1

**HENSEL  
PHELPS**

Collected: 03/13/95 10:57:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020 Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-09B  
Sample ID: GT958041/#1

Collected: 03/13/95 10:57:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	205	mg/Kg	5.0	5.0	03/15/95	STRPH240

Lab ID: 9503114-10A  
Sample ID: GT958042/#2

Collected: 03/13/95 11:03:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-10B  
Sample ID: GT958042/#2

Collected: 03/13/95 11:03:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	26.5	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-11A  
Sample ID: GT958043/#3

Collected: 03/13/95 11:10:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-11B  
Sample ID: GT958043/#3

Collected: 03/13/95 11:10:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	56.5	mg/Kg	5.0	1.0	03/15/95	STRPH240



Lab ID: 9503114-09B  
Sample ID: GT958041/#1

Collected: 03/13/95 10:57:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	205	mg/Kg	5.0	5.0	03/15/95	STRPH240

Lab ID: 9503114-10A  
Sample ID: GT958042/#2

Collected: 03/13/95 11:03:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-10B  
Sample ID: GT958042/#2

Collected: 03/13/95 11:03:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	26.5	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-11A  
Sample ID: GT958043/#3

Collected: 03/13/95 11:10:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-11B  
Sample ID: GT958043/#3

Collected: 03/13/95 11:10:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	56.5	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-12A  
Sample ID: GT958044/#4

Collected: 03/13/95 11:16:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SMSVOA266
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SMSVOA266

Lab ID: 9503114-12B  
Sample ID: GT958044/#4

Collected: 03/13/95 11:16:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	54.3	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-13A  
Sample ID: GT958045/#5

Collected: 03/13/95 11:23:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SBTXME041
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SBTXME041
O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SBTXME041

Lab ID: 9503114-13B  
Sample ID: GT958045/#5

Collected: 03/13/95 11:23:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	ND	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-14A  
Sample ID: GT958046/#6

Collected: 03/13/95 11:28:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/20/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	5.0	03/20/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/20/95	SBTXME041
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/20/95	SBTXME041

Lab ID: 9503114-14A  
Sample ID: GT958046/#6

Collected: 03/13/95 11:28:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020 O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SBTXME041

Lab ID: 9503114-14B  
Sample ID: GT958046/#6

Collected: 03/13/95 11:28:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	ND	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-15A  
Sample ID: DUPLICATE #2

Collected: 03/13/95  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/21/95	SBTXME041
O-Xylene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041

Lab ID: 9503114-15B  
Sample ID: DUPLICATE #2

Collected: 03/13/95  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	8.9	mg/Kg	5.0	1.0	03/17/95	STRPH241

Lab ID: 9503114-16A  
Sample ID: GT958047/#7

Collected: 03/13/95 11:38:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/21/95	SBTXME041
O-Xylene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041

Lab ID: 9503114-14A  
Sample ID: GT958046/#6

Collected: 03/13/95 11:28:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020 O-Xylene	ND	mg/Kg	0.0010	5.0	03/20/95	SBTXME041

Lab ID: 9503114-14B  
Sample ID: GT958046/#6

Collected: 03/13/95 11:28:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	ND	mg/Kg	5.0	1.0	03/15/95	STRPH240

Lab ID: 9503114-15A  
Sample ID: DUPLICATE #2

Collected: 03/13/95  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020 Benzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/21/95	SBTXME041
O-Xylene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041

Lab ID: 9503114-15B  
Sample ID: DUPLICATE #2

Collected: 03/13/95  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TRPH/EPA 418.1 Total Petroleum HCs	8.9	mg/Kg	5.0	1.0	03/17/95	STRPH241

Lab ID: 9503114-16A  
Sample ID: GT958047/#7

Collected: 03/13/95 11:38:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020 Benzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/21/95	SBTXME041
O-Xylene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041

Lab ID: 9503114-16B  
 Sample ID: GT958047/#7

Collected: 03/13/95 11:38:00  
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
SRPH/EPA 418.1 Total Petroleum HCs	319	mg/Kg	5.0	5.0	03/17/95	STRPH241

Lab ID: 9503114-17A  
 Sample ID: GT958048/#8


Collected: 03/13/95 11:45:00  
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
STEX/SW846 8020						
Benzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Toluene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
Ethylbenzene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	03/21/95	SBTXME041
O-Xylene	ND	mg/Kg	0.0010	5.0	03/21/95	SBTXME041

Lab ID: 9503114-17B  
 Sample ID: GT958048/#8

Collected: 03/13/95 11:45:00  
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
SRPH/EPA 418.1 Total Petroleum HCs	20.0	mg/Kg	5.0	1.0	03/17/95	STRPH241

  
 James A. Seely  
 Operations Manager

## WORKORDER COMMENTS

DATE : 03/21/95  
WORKORDER: 9503114

### DEFINITIONS/DATA QUALIFIERS

The following are definitions, abbreviations, and data qualifiers which may have been utilized in your report:

ND = Analyte "not detected" in analysis at the sample specific detection limit.

D\_F = Sample "dilution factor"

NT = Analyte "not tested" per client request.

B = Analyte was also detected in laboratory method QC blank.

E = Analyte concentration (result) is an estimated value or exceeds analysis calibration range.

LIMIT = The minimum amount of the analyte that AAL can detect utilizing the specified analysis.

Please Note: Multiply the "Limit" value (AAL's Detection Limit) by Dilution Factor (D\_F) to obtain the sample specific Detection Limit.

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### REPORT COMMENTS

No comments associated with this workorder.

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