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SUMMARY

DALLAS NAVAL AIR STATION

OIL SPILL

On January 18, 1995, due to very heavy rains, there was an overflow of 2,000 gallons of JP-4, JP-8 and motor oil behind Building #193 at NAS. The overflow went through a drain pipe on to a neighboring golf course.

NAS personnel began applying OIL SPILL EATER II (OSE) on January 19, 1995 at a 50 to 1 ratio with water, which they applied with hand held sprayers. Over a period of weeks, they applied 40 gallons of OSE and 2,000 gallons of water.

NAS personnel did not perform initial TPH sampling of the contaminated soil but knew from the amount of oil, odor and visual observation of it's severity.

The attached final soil sampling was performed in four (4) different areas using EPA methods 8020/5030 for BETX and 418.1 for total hydrocarbon count. In all four (4) sampling areas the BETX and total hydrocarbons were reduced well below state acceptance levels for contaminant soil of 100 ppm.

In addition, the grass where OSE was applied to the contaminated soil is now lush green!

O.A.Lively
Rear Admiral (ret)
President

OAL/AJL

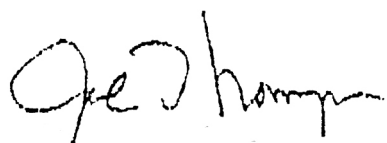
SEP-11-1995 10:58

Report #	: 95-1626 01	Date Received	: 08/29/95
Sample ID	: 10928 S-9-1	BTEX Analysis Date	: 09/05/95
Project #	: 10928	TPH Extraction Date	: 08/31/95
Sample Matrix	: Soil	TPH Analysis Date	: 08/31/95
Depth Interval	: N/A		
Analyst	: JSL		

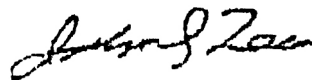
Compound	Results	Practical Quantitation Limit
Benzene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Toluene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Ethylbenzene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Total Xylenes	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Total BTEX (Calculated)	*BPQL µg/Kg (ppb)	2 µg/Kg (ppb)
Total Petroleum Hydrocarbons	43 mg/Kg (ppm)	10 mg/Kg (ppm)

*Below Practical Quantitation Limits

Method: BTEX – EPA Method 8020A/5030 - SW-846
TPH – EPA Method 418.1/3550 - SW-846



Joe Thompson
Director of Technical Services



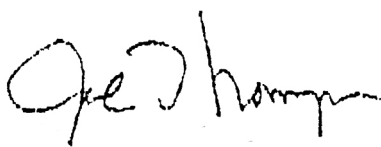
John S. Lee
Analytical Chemist

Report #	: 95-1626-02	Date Received	: 08/29/95
Sample ID	: 10928 S-9-2	BTEX Analysis Date	: 09/05/95
Project #	: 10928	TPH Extraction Date	: 08/31/95
Sample Matrix	: Soil	TPH Analysis Date	: 08/31/95
Depth Interval	: N/A		
Analyst	: JSL		

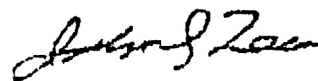
Compound	Results	Practical Quantitation Limit
Benzene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Toluene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Ethylbenzene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Total Xylenes	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Total BTEX (Calculated)	*BPQL µg/Kg (ppb)	2 µg/Kg (ppb)
Total Petroleum Hydrocarbons	96 mg/Kg (ppm)	10 mg/Kg (ppm)

*Below Practical Quantitation Limits

Method: BTEX – EPA Method 8020A/5030 - SW-846
 TPH – EPA Method 418.1/3550 - SW-846



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 Director of Technical Services



John S. Lee
 Analytical Chemist

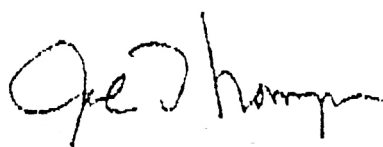
SEP-11-1995 11:00

Report #	: 95-1626-03	Date Received	: 08/29/95
Sample ID	: 10928 S-9-3	BTEX Analysis Date	: 09/05/95
Project #	: 10928	TPH Extraction Date	: 08/31/95
Sample Matrix	: Soil	TPH Analysis Date	: 08/31/95
Depth Interval	: N/A		
Analyst	: JSL		

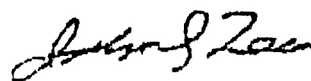
Compound	Results	Practical Quantitation Limit
Benzene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Toluene	3 µg/Kg (ppb)	2 µg/Kg (ppb)
Ethylbenzene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Total Xylenes	2 µg/Kg (ppb)	2 µg/Kg (ppb)
Total BTEX (Calculated)	5 µg/Kg (ppb)	2 µg/Kg (ppb)
Total Petroleum Hydrocarbons	27 mg/Kg (ppm)	10 mg/Kg (ppm)

*Below Practical Quantitation Limits

Method: BTEX – EPA Method 8020A/5030 - SW-846
TPH – EPA Method 418.1/3550 - SW-846



Joe Thompson
Director of Technical Services



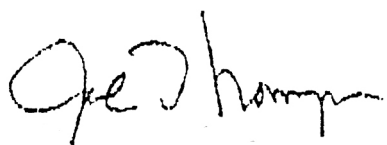
John S. Lee
Analytical Chemist

Report #	: 95-1626-04	Date Received	: 08/29/95
Sample ID	: 10928 S-9-4	BTEX Analysis Date	: 09/05/95
Project #	: 10928	TPH Extraction Date	: 08/31/95
Sample Matrix	: Soil	TPH Analysis Date	: 08/31/95
Depth Interval	: N/A		
Analyst	: JSL		

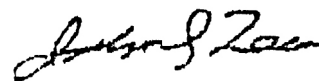
Compound	Results	Practical Quantitation Limit
Benzene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Toluene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Ethylbenzene	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Total Xylenes	< 2 µg/Kg (ppb)	2 µg/Kg (ppb)
Total BTEX (Calculated)	*BPQL µg/Kg (ppb)	2 µg/Kg (ppb)
Total Petroleum Hydrocarbons	23 mg/Kg (ppm)	10 mg/Kg (ppm)

*Below Practical Quantitation Limits

Method: BTEX – EPA Method 8020A/5030 - SW-846
 TPH – EPA Method 418.1/3550 - SW-846



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 Director of Technical Services



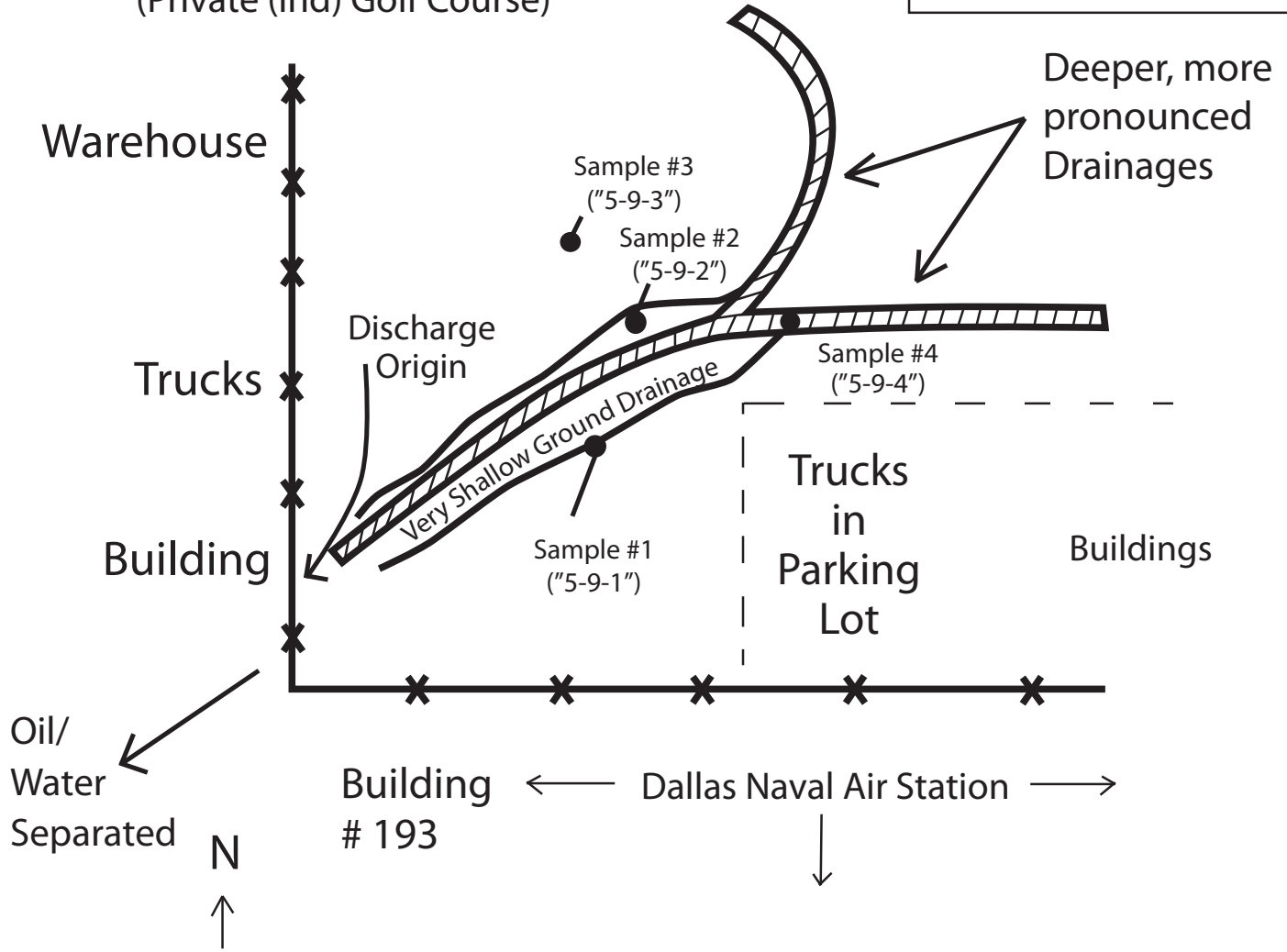
John S. Lee
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Dallas Naval Air Station Field Notes

8/29/95
1:00 P.M.

Outfall Behind Building #193 (Due to VERY heavy rainfall)

(Private (ind) Golf Course)



Not To Scale

To Estab. Background

Sample #1 - Top 4" in edge of drain. where may have

Sample #2 - 1' to 2' deep from depression in draining

Sample #3 - Surface to 2' deep on hill away from

Sample #4 - Surface to 1.5" deep in deep, wet drain

*Construction debris used as fill (reportedly) prevented further sampling
Soil was a Sandy Loam with varying amounts of clay encountered.