HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-13

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B5-5430

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 09:25:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	18	1 P	µg/Kg
TOLUENE	19	1 P	µg/Kg
ETHYLBENZENE	5	1 P	µg/Kg
TOTAL XYLENE	25	1 P	µg/Kg
TOTAL BTEX	67		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	105		
4-Bromofluorobenzene	129		
METHOD 5030/8020 ***			
Analyzed by: FAB			
Date: 05/30/96			
TPH by Soxhlet/IR	< 10	10	mg/Kg
METHOD 3540/418.1			
Analyzed by: JN			
Date: 06/06/96 08:00:00			
Sonication extraction	05/28/96		
METHOD 3550 ***			
Analyzed by: LD			
Date: 05/28/96 15:00:00			
Solids	81	1	% Weight
CLP Inorganics SOW			
Analyzed by: CA			
Date: 05/29/96			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-13

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B5-5430

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 09:25:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Naphthalene	< 15	15	µg/Kg
Acenaphthylene	< 7.5	7.5	µg/Kg
Acenaphthene	< 25	25	µg/Kg
Fluorene	< 28.0	28.0	µg/Kg
Phenanthrene	< 26.0	26.0	µg/Kg
Anthracene	< 22.5	22.5	µg/Kg
Fluoranthene	< 19.0	19.0	µg/Kg
Pyrene	< 17.5	17.5	µg/Kg
Chrysene	< 13.5	13.5	µg/Kg
Benzo (a) anthracene	< 13.5	13.5	µg/Kg
Benzo (b) fluoranthene	< 11.0	11.0	µg/Kg
Benzo (k) fluoranthene	< 12.0	12.0	µg/Kg
Benzo (a) pyrene	< 5.5	5.5	µg/Kg
Dibenzo (a,h) anthracene	< 12.0	12.0	µg/Kg
Benzo (g,h,i) perylene	< 17.5	17.5	µg/Kg
Indeno (1,2,3-cd) pyrene	< 13.0	13.0	µg/Kg

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
Biphenyl	µg/Kg	58	50	150
Coronene	µg/Kg	90	50	150

ANALYZED BY: JZL
DATE/TIME: 06/03/96 22:20:23
EXTRACTED BY: LD
DATE/TIME: 05/28/96 15:00:00
METHOD: 8310 Polynuclear Aromatic Hydrocarbons
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-14

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B5-5417

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 11:44:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	630	200 P	µg/Kg
TOLUENE	1700	200 P	µg/Kg
ETHYLBENZENE	11000	200 P	µg/Kg
TOTAL XYLENE	20200	200 P	µg/Kg
TOTAL BTEX	33530		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	126 «		
4-Bromofluorobenzene	125		
METHOD 5030/8020 ***			
Analyzed by: DY			
Date: 05/30/96			
TPH by Soxhlet/IR	4300	200	mg/Kg
METHOD 3540/418.1			
Analyzed by: JN			
Date: 06/06/96 08:00:00			
Sonication extraction	05/28/96		
METHOD 3550 ***			
Analyzed by: LD			
Date: 05/28/96 15:00:00			
Solids	84	1	% Weight
CLP Inorganics SOW			
Analyzed by: CA			
Date: 05/29/96			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-14

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B5-5417

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 11:44:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Naphthalene	2000	600	µg/Kg
Acenaphthylene	< 30.0	30.0	µg/Kg
Acenaphthene	< 100	100	µg/Kg
Fluorene	< 112.0	112.0	µg/Kg
Phenanthrene	< 104.0	104.0	µg/Kg
Anthracene	< 90.0	90.0	µg/Kg
Fluoranthene	< 76.0	76.0	µg/Kg
Pyrene	< 70.0	70.0	µg/Kg
Chrysene	74	54.0	µg/Kg
Benzo (a) anthracene	< 54.0	54.0	µg/Kg
Benzo (b) fluoranthene	< 44.0	44.0	µg/Kg
Benzo (k) fluoranthene	< 48.0	48.0	µg/Kg
Benzo (a) pyrene	< 22.0	22.0	µg/Kg
Dibenzo (a,h) anthracene	< 48.0	48.0	µg/Kg
Benzo (g,h,i) perylene	< 70.0	70.0	µg/Kg
Indeno (1,2,3-cd) pyrene	< 52.0	52.0	µg/Kg

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
Biphenyl	µg/Kg	D	50	150
Coronene	µg/Kg	D	50	150

ANALYZED BY: JZL DATE/TIME: 06/04/96 19:09:10
EXTRACTED BY: LD DATE/TIME: 05/28/96 15:00:00
METHOD: 8310 Polynuclear Aromatic Hydrocarbons
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed
D - Diluted, control limits not applicable.

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-15

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B5-5414

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 08:55:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	67	50 P	µg/Kg
TOLUENE	660	50 P	µg/Kg
ETHYLBENZENE	580	50 P	µg/Kg
TOTAL XYLENE	2100	50 P	µg/Kg
TOTAL BTEX	3407		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	112		
4-Bromofluorobenzene	95		
METHOD 5030/8020 ***			
Analyzed by: DY			
Date: 05/30/96			
TPH by Soxhlet/IR	62	10	mg/Kg
METHOD 3540/418.1			
Analyzed by: JN			
Date: 06/06/96 08:00:00			
Sonication extraction	05/28/96		
METHOD 3550 ***			
Analyzed by: LD			
Date: 05/28/96 15:00:00			
Solids	82	1	% Weight
CLP Inorganics SOW			
Analyzed by: CA			
Date: 05/29/96			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-15

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B5-5414

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 08:55:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Naphthalene	< 300	300	µg/Kg
Acenaphthylene	< 150.0	150.0	µg/Kg
Acenaphthene	< 500	500	µg/Kg
Fluorene	< 560.0	560.0	µg/Kg
Phenanthrene	1900	520.0	µg/Kg
Anthracene	480	450.0	µg/Kg
Fluoranthene	2200	380.0	µg/Kg
Pyrene	1300	350.0	µg/Kg
Chrysene	590	270.0	µg/Kg
Benzo (a) anthracene	780	270.0	µg/Kg
Benzo (b) fluoranthene	500	220.0	µg/Kg
Benzo (k) fluoranthene	< 240.0	240.0	µg/Kg
Benzo (a) pyrene	< 110.0	110.0	µg/Kg
Dibenzo (a,h) anthracene	< 240.0	240.0	µg/Kg
Benzo (g,h,i) perylene	< 350.0	350.0	µg/Kg
Indeno (1,2,3-cd) pyrene	< 260.0	260.0	µg/Kg

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
Biphenyl	µg/Kg	D	50	150
Coronene	µg/Kg	D	50	150

ANALYZED BY: JZL DATE/TIME: 06/04/96 07:41:32
EXTRACTED BY: LD DATE/TIME: 05/28/96 15:00:00
METHOD: 8310 Polynuclear Aromatic Hydrocarbons
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed
D - Diluted, control limits not applicable.

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-16

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B5-5420

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 09:15:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	10	10 P	µg/Kg
TOLUENE	< 10	10 P	µg/Kg
ETHYLBENZENE	160	10 P	µg/Kg
TOTAL XYLENE	1880	10 P	µg/Kg
TOTAL BTEX	2050		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	108		
4-Bromofluorobenzene	192 «		
METHOD 5030/8020 ***			
Analyzed by: FAB			
Date: 06/12/96			
TPH by Soxhlet/IR	610	10	mg/Kg
METHOD 3540/418.1			
Analyzed by: JN			
Date: 06/06/96 08:00:00			
Sonication extraction	05/28/96		
METHOD 3550 ***			
Analyzed by: LD			
Date: 05/28/96 15:00:00			
Solids	86	1	% Weight
CLP Inorganics SOW			
Analyzed by: CA			
Date: 05/29/96			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
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PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-16

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B5-5420

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 09:15:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Naphthalene	1700	600	µg/Kg
Acenaphthylene	< 30.0	30.0	µg/Kg
Acenaphthene	< 100	100	µg/Kg
Fluorene	< 112.0	112.0	µg/Kg
Phenanthrene	< 104.0	104.0	µg/Kg
Anthracene	< 90.0	90.0	µg/Kg
Fluoranthene	< 76.0	76.0	µg/Kg
Pyrene	< 70.0	70.0	µg/Kg
Chrysene	< 54.0	54.0	µg/Kg
Benzo (a) anthracene	< 54.0	54.0	µg/Kg
Benzo (b) fluoranthene	< 44.0	44.0	µg/Kg
Benzo (k) fluoranthene	< 48.0	48.0	µg/Kg
Benzo (a) pyrene	< 22.0	22.0	µg/Kg
Dibenzo (a,h) anthracene	< 48.0	48.0	µg/Kg
Benzo (g,h,i) perylene	< 70.0	70.0	µg/Kg
Indeno (1,2,3-cd) pyrene	< 52.0	52.0	µg/Kg

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
Biphenyl	µg/Kg	D	50	150
Coronene	µg/Kg	D	50	150

ANALYZED BY: JZL
DATE/TIME: 06/04/96 20:00:10
EXTRACTED BY: LD
DATE/TIME: 05/28/96 15:00:00
METHOD: 8310 Polynuclear Aromatic Hydrocarbons
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed
D - Diluted, control limits not applicable.

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-17

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/14/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B6-6530

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 10:55:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	15	5 P	µg/Kg
TOLUENE	< 5	5 P	µg/Kg
ETHYLBENZENE	< 5	5 P	µg/Kg
TOTAL XYLENE	< 5	5 P	µg/Kg
TOTAL BTEX	15		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	100		
4-Bromofluorobenzene	102		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 05/30/96			
TPH by Soxhlet/IR	15	10	mg/Kg
METHOD 3540/418.1			
Analyzed by: JN			
Date: 06/06/96 08:00:00			

(P) - Practical Quantitation Limit ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-17

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B6-6530

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 10:55:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Sonication extraction METHOD 3550 *** Analyzed by: LD Date: 05/28/96 15:00:00	05/28/96		
Solids CLP Inorganics SOW Analyzed by: CA Date: 05/29/96	80	1	% Weight

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-17

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B6-6530

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 10:55:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Naphthalene	4	3	µg/Kg
Acenaphthylene	< 1.5	1.5	µg/Kg
Acenaphthene	< 5	5	µg/Kg
Fluorene	< 5.6	5.6	µg/Kg
Phenanthrene	< 5.2	5.2	µg/Kg
Anthracene	< 4.5	4.5	µg/Kg
Fluoranthene	< 3.8	3.8	µg/Kg
Pyrene	< 3.5	3.5	µg/Kg
Chrysene	< 2.7	2.7	µg/Kg
Benzo (a) anthracene	< 2.7	2.7	µg/Kg
Benzo (b) fluoranthene	< 2.2	2.2	µg/Kg
Benzo (k) fluoranthene	< 2.4	2.4	µg/Kg
Benzo (a) pyrene	< 1.1	1.1	µg/Kg
Dibenzo (a,h) anthracene	< 2.4	2.4	µg/Kg
Benzo (g,h,i) perylene	< 3.5	3.5	µg/Kg
Indeno (1,2,3-cd) pyrene	< 2.6	2.6	µg/Kg

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
Biphenyl	µg/Kg	65	50	150
Coronene	µg/Kg	97	50	150

ANALYZED BY: JZL DATE/TIME: 06/03/96 20:38:25
EXTRACTED BY: LD DATE/TIME: 05/28/96 15:00:00
METHOD: 8310 Polynuclear Aromatic Hydrocarbons
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-18

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B6-6517

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 13:37:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	< 10	10 P	µg/Kg
TOLUENE	< 10	10 P	µg/Kg
ETHYLBENZENE	14	10 P	µg/Kg
TOTAL XYLENE	41	10 P	µg/Kg
TOTAL BTEX	55		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	90		
4-Bromofluorobenzene	130		
METHOD 5030/8020 ***			
Analyzed by: DY			
Date: 05/30/96			
TPH by Soxhlet/IR	190	10	mg/Kg
METHOD 3540/418.1			
Analyzed by: JN			
Date: 06/06/96 08:00:00			
Sonication extraction	05/28/96		
METHOD 3550 ***			
Analyzed by: LD			
Date: 05/28/96 15:00:00			
Solids	88	1	% Weight
CLP Inorganics SOW			
Analyzed by: CA			
Date: 05/29/96			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-18

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B6-6517

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 13:37:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Naphthalene	< 150	150	µg/Kg
Acenaphthylene	< 75.0	75.0	µg/Kg
Acenaphthene	< 250	250	µg/Kg
Fluorene	< 280.0	280.0	µg/Kg
Phenanthrene	< 260.0	260.0	µg/Kg
Anthracene	< 225.0	225.0	µg/Kg
Fluoranthene	< 190.0	190.0	µg/Kg
Pyrene	< 175.0	175.0	µg/Kg
Chrysene	< 135.0	135.0	µg/Kg
Benzo (a) anthracene	< 135.0	135.0	µg/Kg
Benzo (b) fluoranthene	< 110.0	110.0	µg/Kg
Benzo (k) fluoranthene	< 120.0	120.0	µg/Kg
Benzo (a) pyrene	< 55.0	55.0	µg/Kg
Dibenzo (a,h) anthracene	< 120.0	120.0	µg/Kg
Benzo (g,h,i) perylene	< 175.0	175.0	µg/Kg
Indeno (1,2,3-cd) pyrene	< 130.0	130.0	µg/Kg

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
Biphenyl	µg/Kg	D	50	150
Coronene	µg/Kg	D	50	150

ANALYZED BY: JZL
DATE/TIME: 06/04/96 18:18:11
EXTRACTED BY: LD
DATE/TIME: 05/28/96 15:00:00
METHOD: 8310 Polynuclear Aromatic Hydrocarbons
NOTES: * - Practical Quantitation Limit
ND - Not Detected
NA - Not Analyzed
D - Diluted, control limits not applicable.

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-19

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B6-6520

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 10:45:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	60	50 P	µg/Kg
TOLUENE	< 50	50 P	µg/Kg
ETHYLBENZENE	2500	50 P	µg/Kg
TOTAL XYLENE	2630	50 P	µg/Kg
TOTAL BTEX	5190		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	74 «		
4-Bromofluorobenzene	136		
METHOD 5030/8020 ***			
Analyzed by: DY			
Date: 05/30/96			
TPH by Soxhlet/IR	6300	200	mg/Kg
METHOD 3540/418.1			
Analyzed by: JN			
Date: 06/06/96 08:00:00			
Sonication extraction	05/28/96		
METHOD 3550 ***			
Analyzed by: LD			
Date: 05/28/96 15:00:00			
Solids	90	1	% Weight
CLP Inorganics SOW			
Analyzed by: CA			
Date: 05/29/96			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-19

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: B6-6520

PROJECT NO: LPST #108133
MATRIX: SOIL
DATE SAMPLED: 05/16/96 10:45:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	PQL*	UNITS
Naphthalene	2100	750	µg/Kg
Acenaphthylene	< 375.0	375.0	µg/Kg
Acenaphthene	< 1250	1250	µg/Kg
Fluorene	< 1400.0	1400.0	µg/Kg
Phenanthrene	< 1300.0	1300.0	µg/Kg
Anthracene	< 1125.0	1125.0	µg/Kg
Fluoranthene	< 950.0	950.0	µg/Kg
Pyrene	< 875.0	875.0	µg/Kg
Chrysene	< 675.0	675.0	µg/Kg
Benzo (a) anthracene	< 675.0	675.0	µg/Kg
Benzo (b) fluoranthene	< 550.0	550.0	µg/Kg
Benzo (k) fluoranthene	< 600.0	600.0	µg/Kg
Benzo (a) pyrene	< 275.0	275.0	µg/Kg
Dibenzo (a,h) anthracene	< 600.0	600.0	µg/Kg
Benzo (g,h,i) perylene	< 875.0	875.0	µg/Kg
Indeno (1,2,3-cd) pyrene	< 650.0	650.0	µg/Kg

SURROGATES	AMOUNT SPIKED	% RECOVERY	LOWER LIMIT	UPPER LIMIT
Biphenyl	µg/Kg	D	50	150
Coronene	µg/Kg	D	50	150

ANALYZED BY: JZL DATE/TIME: 06/04/96 20:51:09
EXTRACTED BY: LD DATE/TIME: 05/28/96 15:00:00
METHOD: 8310 Polynuclear Aromatic Hydrocarbons
NOTES: * - Practical Quantitation Limit ND - Not Detected
NA - Not Analyzed
D - Diluted, control limits not applicable.

COMMENTS:

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

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Certificate of Analysis No. H9-9605D61-20

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/14/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: G1-1234

PROJECT NO: LPST #108133
MATRIX: WATER
DATE SAMPLED: 05/16/96 11:05:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	1500	5 P	µg/L
TOLUENE	8	5 P	µg/L
ETHYLBENZENE	170	5 P	µg/L
TOTAL XYLENE	< 5	5 P	µg/L
TOTAL BTEX	1678		µg/L

Surrogate	% Recovery
1,4-Difluorobenzene	144 «
4-Bromofluorobenzene	143

METHOD 5030/8020 ***
Analyzed by: VHZ
Date: 05/28/96

(P) - Practical Quantitation Limit ND - Not detected.
« - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-21

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/14/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: G1-3234

PROJECT NO: LPST #108133
MATRIX: WATER
DATE SAMPLED: 05/16/96 15:15:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	< 1	1 P	µg/L
TOLUENE	< 1	1 P	µg/L
ETHYLBENZENE	< 1	1 P	µg/L
TOTAL XYLENE	< 1	1 P	µg/L
TOTAL BTEX	< 1		µg/L

Surrogate	% Recovery
1,4-Difluorobenzene	100
4-Bromofluorobenzene	79

METHOD 5030/8020 ***
Analyzed by: VHZ
Date: 05/28/96

(P) - Practical Quantitation Limit ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-22

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: G1-4234

PROJECT NO: LPST #108133
MATRIX: WATER
DATE SAMPLED: 05/16/96 11:25:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	< 1	1 P	µg/L
TOLUENE	< 1	1 P	µg/L
ETHYLBENZENE	< 1	1 P	µg/L
TOTAL XYLENE	1	1 P	µg/L
TOTAL BTEX	1		µg/L

Surrogate	% Recovery
1,4-Difluorobenzene	100
4-Bromofluorobenzene	93

METHOD 5030/8020 ***
Analyzed by: VHZ
Date: 05/28/96

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-23

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: G1-5234

PROJECT NO: LPST #108133
MATRIX: WATER
DATE SAMPLED: 05/16/96 11:10:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Total Recoverable Petroleum Hydrocarbons Method 418.1* Analyzed by: LD Date: 06/03/96 14:00:00	7	0.5	mg/L

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-24

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: G1-7234

PROJECT NO: LPST #108133
MATRIX: WATER
DATE SAMPLED: 05/16/96 15:20:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Total Recoverable Petroleum Hydrocarbons Method 418.1* Analyzed by: LD Date: 06/03/96 14:00:00	< 0.5	0.5	mg/L

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9605D61-25

Thompson Professional Grp,Inc
6110 Clarkson Lane
Houston, TX 77055
ATTN: L.J. Wieting

DATE: 06/15/96

PROJECT: Soil Bore/GWM B1,B2 &B3
SITE: Caldwell County, TX
SAMPLED BY: H.Platt Thompson Engineering
SAMPLE ID: G1-8234

PROJECT NO: LPST #108133
MATRIX: WATER
DATE SAMPLED: 05/16/96 11:25:00
DATE RECEIVED: 05/17/96

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Total Recoverable Petroleum Hydrocarbons Method 418.1* Analyzed by: LD Date: 06/03/96 14:00:00	< 0.5	0.5	mg/L

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

** SPL BATCH QUALITY CONTROL REPORT **

METHOD EPA 8310

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil

Units: µg/Kg

Batch Id: 1960529142900

Analyst: JZL

Sequence Date: 05/29/96

SPL ID of sample spiked: 9605216-15B

Sample File ID: 960515B\006-0101

Method Blank File ID:

Blank Spike File ID: 960529A\005-0101

Matrix Spike File ID: 960515A\003-0101

Matrix Spike Duplicate File ID: 960515A\004-0101

* = Values Outside QC Range

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5>) | / [(<4> + <5>) x 0.5] x 100

(**) = Source: 8310, Table 3

(***) = Source: Temporary Limits

SAMPLES IN BATCH(SPL ID): 9605D61-01B 9605D61-03B

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **

METHOD EPA 8310

Matrix: Soil

Units: µg/Kg

Batch Id: 1960529142910

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Naphthalene	ND	16.7	9.8	58.7	1 - 122
Acenaphthylene	ND	16.7	11.0	65.9	1 - 139
Acenaphthene	ND	16.7	9.2	55.1	1 - 124
Fluorene	ND	16.7	8.3	49.7	1 - 142
Phenanthrene	ND	16.7	9.8	58.7	1 - 155
Anthracene	ND	16.7	10.3	61.7	1 - 126
Fluoranthene	ND	16.7	10.3	61.7	14 - 123
Pyrene	ND	16.7	9.7	58.1	1 - 140
Chrysene	ND	16.7	9.5	56.9	1 - 199
Benzo (a) anthracene	ND	16.7	12.9	77.2	12 - 135
Benzo (b) fluoranthene	ND	16.7	13.3	79.6	6 - 150
Benzo (k) fluoranthene	ND	16.7	13.1	78.4	1 - 159
Benzo (a) pyrene	ND	16.7	10.6	63.5	1 - 128
Dibenzo (a,h) anthracene	ND	16.7	12.6	75.4	1 - 110
Benzo (g,h,i) perylene	ND	16.7	13.0	77.8	1 - 116
Indeno (1,2,3-cd) pyrene	ND	16.7	13.8	82.6	1 - 116

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
NAPHTHALENE	ND	16.65	10	60.1	13	78.1	26.0	30	1 - 122
ACENAPHTHYLENE	ND	16.65	19	114	14	84.1	30.2 *	30	1 - 139
ACENAPHTHENE	ND	16.65	12	72.1	12	72.1	0	30	1 - 124
FLUORENE	ND	16.65	10	60.1	9.6	57.7	4.07	30	1 - 142
PHENANTHRENE	ND	16.65	9.1	54.7	7.3	43.8	22.1	30	1 - 155
ANTHRACENE	ND	16.65	9.1	54.7	9.5	57.1	4.29	30	1 - 126
FLUORANTHENE	ND	16.65	7.8	46.8	7.7	46.2	1.29	30	14 - 142
PYRENE	ND	16.65	11	66.1	12	72.1	8.68	30	1 - 140
CHRYSENE	ND	16.65	9.5	57.1	10	60.1	5.12	30	1 - 199
BENZO (A) ANTHRACENE	ND	16.65	13	78.1	14	84.1	7.40	30	12 - 135
BENZO (B) FLUORANTHENE	ND	16.65	12	72.1	13	78.1	7.99	30	6 - 150
BENZO (K) FLUORANTHENE	ND	16.65	13	78.1	13	78.1	0	30	1 - 159
BENZO (A) PYRENE	ND	16.65	8.1	48.6	8.5	51.1	5.02	30	1 - 128
DIBENZO (A,H) ANTHRACENE	ND	16.65	12	72.1	13	78.1	7.99	30	1 - 110
BENZO (G,H,I) PERYLENE	ND	16.65	12	72.1	13	78.1	7.99	30	1 - 116
INDENO (1,2,3-CD) PYRENE	ND	16.65	15	90.1	15	90.1	0	30	1 - 116

QC Officer

SPL BATCH QUALITY CONTROL REPORT **

METHOD EPA 8310

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil

Units: µg/Kg

Batch Id: 1960529142910

Analyst: JZL

Sequence Date: 05/29/96

SPL ID of sample spiked: 9605D61-04B

Sample File ID: 960603B\018-0401

Method Blank File ID:

Blank Spike File ID: 960529A\005-0101

Matrix Spike File ID: 960531B\014-0501

Matrix Spike Duplicate File ID: 960531B\015-0501

* = Values Outside QC Range

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: 8310, Table 3

(***) = Source: Temporary Limits

SAMPLES IN BATCH(SPL ID):

9605D61-17B	9605D61-13B	9605D61-08B	9605D61-12B
9605D61-14B	9605D61-09B	9605D61-05B	9605D61-10B
9605D61-16B	9605D61-15B	9605D61-04B	9605D61-05B
9605D61-06B	9605D61-18B	9605D61-14B	9605D61-16B
9605D61-19B	9605D61-07B	9605D61-11B	

QC Officer

QUALITY CONTROL

DOCUMENTATION

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

Matrix: Soil
Units: µg/Kg

Batch Id: HP_P960529042100

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	55	110	66 - 123
Toluene	ND	50	61	122	74 - 125
EthylBenzene	ND	50	58	116	84 - 125
O Xylene	ND	50	44	88.0	76 - 137
M & P Xylene	ND	100	96	96.0	81 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
BENZENE	ND	20	12	60.0	13	65.0	8.00	33	47 - 143
TOLUENE	ND	20	24	120	26	130	8.00	35	46 - 148
ETHYLBENZENE	ND	20	23	115	23	115	0	40	32 - 151
O XYLENE	ND	20	17	85.0	18	90.0	5.71	24	35 - 143
M & P XYLENE	ND	40	35	87.5	38	95.0	8.22	38	25 - 139

Analyst: AA/
Sequence Date: 05/31/96
SPL ID of sample spiked: 9605D61-04A
Sample File ID: PP__828.TX0
Method Blank File ID:
Blank Spike File ID: PP__840A.TX0
Matrix Spike File ID: PP__843.TX0
Matrix Spike Duplicate File ID: PP__842.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4th Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID): 9605D61-04A 9605D61-05A 9605D61-06A 9605D61-07A 9605967-17A 9605D61-14A

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

Matrix: Soil
Units: µg/Kg

Batch Id: VARE960529113500

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	44	88.0	66 - 123
Toluene	ND	50	41	82.0	74 - 125
EthylBenzene	ND	50	43	86.0	84 - 125
O Xylene	ND	50	44	88.0	76 - 137
M & P Xylene	ND	100	81	81.0	81 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
BENZENE	4	20	20	80.0	23	95.0	17.1	33	47 - 143
TOLUENE	7	20	16	45.0 *	19	60.0	28.6	35	46 - 148
ETHYLBENZENE	22	20	31	45.0	39	85.0	61.5 *	40	32 - 151
O XYLENE	8	20	15	35.0	16	40.0	13.3	24	35 - 143
M & P XYLENE	20	40	32	30.0	37	42.5	34.5	38	25 - 139

Analyst: DY
Sequence Date: 05/29/96
SPL ID of sample spiked: 9605964-04A
Sample File ID: E___918.TX0
Method Blank File ID:
Blank Spike File ID: E___899.TX0
Matrix Spike File ID: E___901.TX0
Matrix Spike Duplicate File ID: E___902.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4th Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9605D61-09A	9605D61-10A	9605D61-11A	9605967-15A
9605967-16A	9605D61-12A	9605964-04A	9605964-01A
9605964-02A	9605964-05A	9605952-02A	9605952-03A
9605952-04A	9605952-07A	9605964-03A	9605952-1A
9605C94-14A	9605C94-13A	9605D61-08A	

QC Officer

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: VARD960529183100

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	50	100	66 - 123
Toluene	ND	50	45	90.0	74 - 125
EthylBenzene	ND	50	50	100	84 - 125
O Xylene	ND	50	50	100	76 - 137
M & P Xylene	ND	100	100	100	81 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
BENZENE	ND	50	66	132	67	134	1.50	33	47 - 143
TOLUENE	ND	150	132	88.0	131	87.3	0.799	35	46 - 146
ETHYLBENZENE	ND	50	47	94.0	48	96.0	2.11	40	32 - 151
O XYLENE	19	100	101	82.0	102	83.0	1.21	24	35 - 143
M & P XYLENE	8	100	103	95.0	103	95.0	0	38	25 - 139

Analyst: fab
Sequence Date: 05/30/96
SPL ID of sample spiked: 9605967-14A
Sample File ID: D___723.TX0
Method Blank File ID:
Blank Spike File ID: D___734.TX0
Matrix Spike File ID: D___742.TX0
Matrix Spike Duplicate File ID: D___743.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4th Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9605955-05A 9605967-14A 9605955-07A 9605967-18A
9605967-19A 9605967-20A 9605967-21A 9605955-02A
9605967-22A 9605A83-01A 9605A83-02A 9605955-03A
9605955-04A 9605955-08A 9605956-01A 9605956-02A
9605D61-13A

QC Officer

SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: VARE960530065000

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	50	100	66 - 123
Toluene	ND	50	48	96.0	74 - 125
EthylBenzene	ND	50	49	98.0	84 - 125
O Xylene	ND	50	48	96.0	76 - 137
M & P Xylene	ND	100	92	92.0	81 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
BENZENE	ND	20	18	90.0	17	85.0	5.71	33	47 - 143
TOLUENE	1	20	16	75.0	16	75.0	0	35	46 - 148
ETHYLBENZENE	ND	20	15	75.0	15	75.0	0	40	32 - 151
O XYLENE	ND	20	15	75.0	15	75.0	0	24	35 - 143
M & P XYLENE	ND	40	31	77.5	30	75.0	3.28	38	25 - 139

Analyst: DY
Sequence Date: 05/30/96
SPL ID of sample spiked: 9605942-13A
Sample File ID: E___943.TX0
Method Blank File ID:
Blank Spike File ID: E___929.TX0
Matrix Spike File ID: E___932.TX0
Matrix Spike Duplicate File ID: E___933.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4th Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9605942-05A 9605942-08A 9605942-09A 9605942-11A
9605942-13A 9605942-12A 9605D61-18A 9605D61-15A
9605D61-19A 9605D61-14A 9605B84-02A 9605B84-03A
9605B84-07A 9605B84-05A 9605B84-06A 9605952-05A
9605952-06A

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

Matrix: Soil
Units: µg/Kg

Batch Id: VARD960612130900

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	50	100	66 - 123
Toluene	ND	50	53	106	74 - 125
EthylBenzene	ND	50	55	110	84 - 125
O Xylene	ND	50	57	114	76 - 137
M & P Xylene	ND	100	110	110	81 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
BENZENE	ND	20	21	105	16	80.0	27.0	33	47 - 143
TOLUENE	ND	20	20	100	17	85.0	16.2	35	46 - 148
ETHYLBENZENE	ND	20	22	110	17	85.0	25.6	40	32 - 151
O XYLENE	ND	20	22	110	17	85.0	25.6 *	24	35 - 143
M & P XYLENE	ND	40	45	112	34	85.0	27.4	38	25 - 139

Analyst: YN
Sequence Date: 06/12/96
SPL ID of sample spiked: 9606484-01A
Sample File ID: D___101.TX0
Method Blank File ID:
Blank Spike File ID: D___083.TX0
Matrix Spike File ID: D___098.TX0
Matrix Spike Duplicate File ID: D___117.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4th Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9606484-02A 9606484-03A 9606484-05A 9606484-01A
9606484-07A 9606484-06A 9606484-09A 9606484-10A
9606484-11A 9606484-12A 9606484-13A 9606451-03A
9606484-14A 9605D61-16A 9606351-02A 9606351-08A
9606351-09A

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

Matrix: Soil
Units: µg/Kg

Batch Id: HP_O960530102100

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	42	84.0	66 - 123
Toluene	ND	150	130	86.7	74 - 125
EthylBenzene	ND	50	47	94.0	84 - 125
O Xylene	ND	100	91	91.0	76 - 137
M & P Xylene	ND	200	180	90.0	81 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
BENZENE	ND	50	40	80.0	42	84.0	4.88	33	47 - 143
TOLUENE	ND	150	120	80.0	120	80.0	0	35	46 - 148
ETHYLBENZENE	ND	50	41	82.0	40	80.0	2.47	40	32 - 151
O XYLENE	ND	100	80	80.0	76	76.0	5.13	24	35 - 143
M & P XYLENE	ND	100	83	83.0	79	79.0	4.94	38	25 - 139

Analyst: YN
Sequence Date: 05/31/96
SPL ID of sample spiked: 9605A21-01A
Sample File ID: OO__060.TX0
Method Blank File ID:
Blank Spike File ID: OO__056.TX0
Matrix Spike File ID: OO__057.TX0
Matrix Spike Duplicate File ID: OO__058.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5>) | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4th Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9605A21-06A 9605A21-07A 9605A21-08A 9605A21-01A
9605A21-11A 9605A21-12A 9605A21-13A 9605A21-09A
9605A21-10A 9605A20-01A 9605954-14A 9605A20-02A
9605D61-17A 9605955-06A 9605A21-02A 9605A21-03A
9605A21-04A 9605A21-05A

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **

METHOD EPA 8310

Matrix: Soil

Units: µg/Kg

Batch Id: 1960529142900

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Naphthalene	ND	16.7	9.8	58.7	1 - 122
Acenaphthylene	ND	16.7	11.0	65.9	1 - 139
Acenaphthene	ND	16.7	9.2	55.1	1 - 124
Fluorene	ND	16.7	8.3	49.7	1 - 142
Phenanthrene	ND	16.7	9.8	58.7	1 - 155
Anthracene	ND	16.7	10	59.9	1 - 126
Fluoranthene	ND	16.7	10	59.9	14 - 123
Pyrene	ND	16.7	9.7	58.1	1 - 140
Chrysene	ND	16.7	9.5	56.9	1 - 199
Benzo (a) anthracene	ND	16.7	12.9	77.2	12 - 135
Benzo (b) fluoranthene	ND	16.7	13.3	79.6	6 - 150
Benzo (k) fluoranthene	ND	16.7	13.1	78.4	1 - 159
Benzo (a) pyrene	ND	16.7	10.6	63.5	1 - 128
Dibenzo (a,h) anthracene	ND	16.7	12.6	75.4	1 - 110
Benzo (g,h,i) perylene	ND	16.7	13.0	77.8	1 - 116
Indeno (1,2,3-cd) pyrene	ND	16.7	13.8	82.6	1 - 116

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
NAPHTHALENE	ND	16.6	10.1	60.8	12.8	77.1	23.6	30	1 - 122
ACENAPHTHYLENE	ND	16.6	14.3	86.1	16.3	98.2	13.1	30	1 - 139
ACENAPHTHENE	ND	16.6	11.7	70.5	13.1	78.9	11.2	30	1 - 124
FLUORENE	ND	16.6	11.9	71.7	14.2	85.5	17.6	30	1 - 142
PHENANTHRENE	ND	16.6	13.6	81.9	14.7	88.6	7.86	30	1 - 155
ANTHRACENE	ND	16.6	14.2	85.5	15.6	94.0	9.47	30	1 - 126
FLUORANTHENE	ND	16.6	16.6	100	15.5	93.4	6.83	30	14 - 142
PYRENE	ND	16.6	14.6	88.0	13.9	83.7	5.01	30	1 - 140
CHRYSENE	ND	16.6	14.5	87.3	14.4	86.7	0.690	30	1 - 199
BENZO (A) ANTHRACENE	ND	16.6	14.9	89.8	14.9	89.8	0	30	12 - 135
BENZO (B) FLUORANTHENE	ND	16.6	15.7	94.6	15.0	90.4	4.54	30	6 - 150
BENZO (K) FLUORANTHENE	ND	16.6	14.6	88.0	14.9	89.8	2.02	30	1 - 159
BENZO (A) PYRENE	ND	16.6	14.2	85.5	14.6	88.0	2.88	30	1 - 128
DIBENZO (A,H) ANTHRACENE	ND	16.6	15.0	90.4	14.7	88.6	2.01	30	1 - 110
BENZO (G,H,I) PERYLENE	ND	16.6	17.5	105	14.8	89.2	16.3	30	1 - 116
INDENO (1,2,3-CD) PYRENE	ND	16.6	14.4	86.7	16.3	98.2	12.4	30	1 - 116

QC Officer

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: VARD960525101700

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	55	110	66 - 123
Toluene	ND	50	50	100	74 - 125
EthylBenzene	ND	50	50	100	84 - 125
O Xylene	ND	50	47	94.0	76 - 137
M & P Xylene	ND	100	89	89.0	81 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	20	19	95.0	19	95.0	0	33	47 - 143
TOLUENE	ND	20	17	85.0	17	85.0	0	35	46 - 148
ETHYLBENZENE	ND	20	15	75.0	15	75.0	0	40	32 - 151
O XYLENE	ND	20	14	70.0	14	70.0	0	24	35 - 143
M & P XYLENE	ND	40	24	60.0	24	60.0	0	38	25 - 139

Analyst: DY
Sequence Date: 05/25/96
SPL ID of sample spiked: 9605922-01A
Sample File ID: D___662.TX0
Method Blank File ID:
Blank Spike File ID: D___656.TX0
Matrix Spike File ID: D___660.TX0
Matrix Spike Duplicate File ID: D___661.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4th Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9605922-07A 9605922-08A 9605967-01A 9605967-02A
9605967-03A 9605967-04A 9605D61-01A 9605922-01A
9605922-05A

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

Matrix: Soil
Units: µg/Kg

Batch Id: VARE960528152200

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	52	104	66 - 123
Toluene	ND	50	52	104	74 - 125
EthylBenzene	ND	50	52	104	84 - 125
O Xylene	ND	50	52	104	76 - 137
M & P Xylene	ND	100	100	100	81 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	Recovery Range
BENZENE	1	20	18	85.0	20	95.0	11.1	33	47 - 143
TOLUENE	10	20	16	30.0 *	19	45.0 *	40.0 *	35	46 - 148
ETHYLBENZENE	ND	20	15	75.0	20	100	28.6	40	32 - 151
O XYLENE	ND	20	16	80.0	20	100	22.2	24	35 - 143
M & P XYLENE	ND	40	32	80.0	41	102	24.2	38	25 - 139

Analyst: DY
Sequence Date: 05/28/96
SPL ID of sample spiked: 9605942-02A
Sample File ID: E___874.TX0
Method Blank File ID:
Blank Spike File ID: E___868.TX0
Matrix Spike File ID: E___871.TX0
Matrix Spike Duplicate File ID: E___898.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / {(<4> + <5>) x 0.5} x 100
(**) = Source: SPL-Houston Historical Data (4th Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '95)

SAMPLES IN BATCH(SPL ID):

9605D61-03A 9605D61-02A 9605C94-15A 9605C94-16A
9605C94-23A 9605C94-24A 9605C94-25A 9605C94-28A
9605C94-30A 9605C94-31A 9605C94-32A 9605942-01A
9605942-03A 9605942-04A 9605C94-03A 9605C94-22A
9605C14-01A 9605942-02A

QC Officer

SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Aqueous
Units: µg/L

Batch Id: HP_R960528111700

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	36	72.0	62 - 121
Toluene	ND	50	45	90.0	66 - 136
EthylBenzene	ND	50	50	100	70 - 136
O Xylene	ND	50	54	108	74 - 134
M & P Xylene	ND	100	110	110	77 - 140

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	20	20	100	22	110	9.52	25	39 - 150
TOLUENE	ND	20	19	95.0	21	105	10.0	26	56 - 134
ETHYLBENZENE	ND	20	18	90.0	19	95.0	5.41	38	61 - 128
O XYLENE	ND	20	19	95.0	21	105	10.0	29	40 - 130
M & P XYLENE	1	40	38	92.5	41	100	7.79	20	43 - 152

Analyst: VHZ
Sequence Date: 05/28/96
SPL ID of sample spiked: 9605D61-22A
Sample File ID: R___212.TX0
Method Blank File ID:
Blank Spike File ID: R___209.TX0
Matrix Spike File ID: R___216.TX0
Matrix Spike Duplicate File ID: R___217.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (3rd Q '95)
(***) = Source: SPL-Houston Historical Data (4th Q '94)

SAMPLES IN BATCH(SPL ID):

9605825-02A 9605825-06A 9605825-07A 9605825-11A
9605878-03A 9605B45-01A 9605B45-02A 9605B50-01A
9605B50-02A 9605B50-03A 9605B62-02A 9605B62-03A
9605B62-06A 9605C84-01A 9605D61-22A 9605D61-21A
9605D61-20A

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 06/06/96
Analyzed on: 06/06/96
Analyst: JN

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

TPH by Soxhlet/IR
METHOD 3540/418.1

SPL Sample ID Number	Blank Value mg/kg	Amt Added mg/kg	Matrix Spike Recovery %	Matrix Spike Duplicate Recovery %	Relative Percent Difference %	QC Limits Recovery	RPD Max.
9605D61-04A	ND	203	89.2	93.6	4.8	68. - 125	20

960606JN -9606203

Samples in batch:

9605D61-01A	9605D61-02A	9605D61-03A	9605D61-04A
9605D61-05A	9605D61-06A	9605D61-07A	9605D61-08A
9605D61-09A	9605D61-10A	9605D61-11A	9605D61-12A
9605D61-13A	9605D61-14A	9605D61-15A	9605D61-16A
9605D61-17A	9605D61-18A	9605D61-19A	

COMMENTS:

SPL, Incorporated

Cynthia Schmerl

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Aqueous

Reported on: 06/03/96
Analyzed on: 06/03/96
Analyst: LD

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Total Recoverable Petroleum Hydrocarbons
Method 418.1*

SPL Sample ID Number	Blank Value mg/l	Amt Added mg/l	Matrix Spike Recovery %	Matrix Spike Duplicate Recovery %	Relative Percent Difference %	QC Limits Recovery	RPD Max.
BLANK	ND	4.0	105	102	2.9	82. - 112	9.8

960603DR -9606068

Samples in batch:

9605C92-01B	9605C92-07B	9605C96-01B	9605C96-02B
9605C96-03B	9605C96-04B	9605C96-05B	9605C96-06B
9605C96-07B	9605D61-23A	9605D61-24A	9605D61-25A
9605D71-01B	9605D71-02B	9605E28-01B	9605E28-02B
9605E28-03B	9605E28-04B	9605E28-05B	9605E42-01B

COMMENTS:

SPL Incorporated

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 05/30/96
Analyzed on: 05/29/96
Analyst: CA

This sample was randomly selected for use in the SPL quality control program. The results are as follows:

Solids
CLP Inorganics SOW

-- DUPLICATE ANALYSIS --

SPL Sample ID	Original Sample Concentration wt. %	Duplicate Sample wt. %	RPD	RPD Max.
9605D54-01H	96	97	1.0	20

-9605B70

Samples in batch:

9605D54-01H 9605D61-01B 9605D61-02B 9605D61-03B
9605D61-04B 9605D61-05B 9605D61-06B 9605D61-07B
9605D61-08B 9605D61-09B

COMMENTS:

ST

SPL, Incorporated

QC Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 05/30/96
Analyzed on: 05/29/96
Analyst: CA

This sample was randomly selected for use in the SPL quality control program. The results are as follows:

Solids
CLP Inorganics SOW

-- DUPLICATE ANALYSIS --

SPL Sample ID	Original Sample Concentration wt. %	Duplicate Sample wt. %	RPD	RPD Max.
9605D61-16B	85	87	2.3	20

-9605B71

Samples in batch:

9605D61-10B 9605D61-11B 9605D61-12B 9605D61-13B
9605D61-14B 9605D61-15B 9605D61-16B 9605D61-17B
9605D61-18B 9605D61-19B

COMMENTS:
ST

SPL, Incorporated

QC Officer