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

Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 05081228
Lab Batch ID: R149400

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1.13	0.973	86.2	1.13	0.907	80.3	7.04	50	26	147

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 05081228
Lab Batch ID: R149441

Method Blank

RunID: HP_O_050830A-2922088 Units: ug/Kg
Analysis Date: 08/30/2005 19:17 Analyst: JWW
Preparation Date: 08/30/2005 19:17 Prep By: Method SW5030B

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	96.8	77-126
Surr: 4-Bromofluorobenzene	104.3	60-160

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-21A	SB7-20-21'
05081228-22A	SB8-1-2'
05081228-24A	SB8-20-21'
05081228-27A	SB9-20-21'
05081228-28A	SB10-1-2'
05081228-29A	SB10-15-16'
05081228-30A	SB10-20-21'
05081228-31A	SB11-1-2'

Laboratory Control Sample (LCS)

RunID: HP_O_050830A-2922087 Units: ug/Kg
Analysis Date: 08/30/2005 17:35 Analyst: JWW
Preparation Date: 08/30/2005 17:35 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.6	103	70	130
Ethylbenzene	20.0	20.8	104	70	130
Toluene	20.0	20.7	104	70	130
m,p-Xylene	40.0	42.2	105	70	130
o-Xylene	20.0	20.9	105	70	130
Xylenes,Total	60.0	63.1	105	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081293-01
RunID: HP_O_050830A-2922096 Units: ug/Kg
Analysis Date: 08/31/2005 3:38 Analyst: JWW
Preparation Date: 08/30/2005 14:58 Prep By: OFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	20.3	102	20	19.0	95.2	6.55	32	36	139
Ethylbenzene	ND	20	19.9	99.6	20	19.4	96.8	2.87	32	25	138
Toluene	ND	20	19.9	99.6	20	19.2	95.9	3.75	34	31	138

Qualifiers:

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B - Analyte detected in the associated Method Blank
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MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 05081228
Lab Batch ID: R149441

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081293-01
RunID: HP_O_050830A-2922096 Units: ug/Kg
Analysis Date: 08/31/2005 3:38 Analyst: JWW
Preparation Date: 08/30/2005 14:58 Prep By: OFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
m,p-Xylene	ND	40	39.7	99.2	40	38.7	96.7	2.52	34	25	139
o-Xylene	ND	20	19.7	98.3	20	19.3	96.7	1.68	32	19	144
Xylenes,Total	ND	60	59.4	98.9	60	58.0	96.7	2.24	34	19	144

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 05081228
Lab Batch ID: R149442

Method Blank

RunID: HP_O_050830B-2922133 Units: mg/kg
Analysis Date: 08/30/2005 18:45 Analyst: JWW
Preparation Date: 08/30/2005 18:45 Prep By: Method

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	99.7	63-142
Surr: 4-Bromofluorobenzene	105.0	50-159

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-21A	SB7-20-21'
05081228-22A	SB8-1-2'
05081228-24A	SB8-20-21'
05081228-27A	SB9-20-21'
05081228-28A	SB10-1-2'
05081228-29A	SB10-15-16'
05081228-30A	SB10-20-21'
05081228-31A	SB11-1-2'

Laboratory Control Sample (LCS)

RunID: HP_O_050830B-2922132 Units: mg/kg
Analysis Date: 08/30/2005 18:08 Analyst: JWW
Preparation Date: 08/30/2005 18:08 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.870	87.0	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081293-01
RunID: HP_O_050830B-2922142 Units: mg/kg
Analysis Date: 08/31/2005 4:49 Analyst: JWW
Preparation Date: 08/30/2005 15:02 Prep By: OFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.880	88.0	1	0.875	87.5	0.513	50	26	147

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 05081228
Lab Batch ID: R149483

Method Blank

RunID: HP_J_050901A-2922965 Units: ug/L
Analysis Date: 09/01/2005 4:50 Analyst: DY
Preparation Date: 09/01/2005 4:50 Prep By: Method SW5030B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-35A	Trip Blank#1
05081228-36A	Trip Blank#2

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	101.1	39-163
Surr: 4-Bromofluorobenzene	99.4	57-157

Laboratory Control Sample (LCS)

RunID: HP_J_050901A-2922964 Units: ug/L
Analysis Date: 09/01/2005 4:21 Analyst: DY
Preparation Date: 09/01/2005 4:21 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	19.5	97.7	70	130
Ethylbenzene	20.0	19.7	98.3	70	130
Toluene	20.0	20.2	101	70	130
m,p-Xylene	40.0	39.3	98.3	70	130
o-Xylene	20.0	20.0	100	70	130
Xylenes,Total	60.0	59.3	98.8	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081108-01
RunID: HP_J_050901A-2922969 Units: ug/L
Analysis Date: 09/01/2005 6:48 Analyst: DY

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	19.2	95.2	20	19.6	97.1	2.04	26	40	165
Ethylbenzene	ND	20	18.4	91.9	20	18.8	94.0	2.24	34	51	156
Toluene	ND	20	18.9	94.5	20	19.1	95.6	1.08	25	58	153

Qualifiers:

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B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 05081228
Lab Batch ID: R149483

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081108-01
RunID: HP_J_050901A-2922969 Units: ug/L
Analysis Date: 09/01/2005 6:48 Analyst: DY

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
m,p-Xylene	ND	40	36.7	91.5	40	37.5	93.3	1.96	27	51	155
o-Xylene	ND	20	18.5	92.6	20	18.9	94.4	1.86	25	58	151
Xylenes,Total	ND	60	55.2	91.9	60	56.4	93.7	1.92	27	51	155

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 05081228
Lab Batch ID: R149517

Method Blank

RunID: HP_O_050831A-2923567 Units: ug/Kg
Analysis Date: 08/31/2005 14:06 Analyst: JWW
Preparation Date: 08/31/2005 14:06 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-32A	SB11-15-16'
05081228-33A	SB11-20-21'
05081228-39A	Duplicate

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	96.4	77-126
Surr: 4-Bromofluorobenzene	104.0	60-160

Laboratory Control Sample (LCS)

RunID: HP_O_050831A-2923566 Units: ug/Kg
Analysis Date: 08/31/2005 12:56 Analyst: JWW
Preparation Date: 08/31/2005 12:56 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	21.9	109	70	130
Ethylbenzene	20.0	22.4	112	70	130
Toluene	20.0	22.2	111	70	130
m,p-Xylene	40.0	45.2	113	70	130
o-Xylene	20.0	22.5	112	70	130
Xylenes,Total	60.0	67.7	113	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081223-01
RunID: HP_O_050831A-2923582 Units: ug/kg-dry
Analysis Date: 09/01/2005 4:10 Analyst: JWW
Preparation Date: 08/26/2005 19:44 Prep By: OFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	24.3	20.2	83.0	24.3	22.9	94.3	12.7	32	36	139
Ethylbenzene	4.86	24.3	22.8	73.8	24.3	25.4	84.8	11.1	32	25	138
Toluene	ND	24.3	19.4	80.1	24.3	22.5	92.7	14.7	34	31	138

Qualifiers:

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MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 05081228
Lab Batch ID: R149517

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081223-01
RunID: HP_O_050831A-2923582 Units: ug/kg-dry
Analysis Date: 09/01/2005 4:10 Analyst: JWW
Preparation Date: 08/26/2005 19:44 Prep By: OFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
m,p-Xylene	5.51	48.5	41.1	73.2	48.5	48.5	88.6	16.6	34	25	139
o-Xylene	ND	24.3	17.2	67.3	24.3	21.6	85.4	22.7	32	19	144
Xylenes,Total	6.37	72.8	58.3	71.3	72.8	70.1	87.5	18.5	34	19	144

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Gasoline Range Organics
Method: SW8015B
WorkOrder: 05081228
Lab Batch ID: R149519

Method Blank

RunID: HP_O_050831B-2923596 Units: mg/kg
Analysis Date: 08/31/2005 14:06 Analyst: JWW
Preparation Date: 08/31/2005 14:06 Prep By: Method

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	99.3	63-142
Surr: 4-Bromofluorobenzene	104.0	50-159

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-32A	SB11-15-16'
05081228-33A	SB11-20-21'
05081228-39A	Duplicate

Laboratory Control Sample (LCS)

RunID: HP_O_050831B-2923595 Units: mg/kg
Analysis Date: 08/31/2005 13:30 Analyst: JWW
Preparation Date: 08/31/2005 13:30 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.952	95.2	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081228-39
RunID: HP_O_050831B-2923600 Units: mg/kg-dry
Analysis Date: 08/31/2005 19:37 Analyst: JWW
Preparation Date: 08/26/2005 21:05 Prep By: OFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1.04	0.929	89.4	1.04	0.877	84.5	5.74	50	26	147

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis:	**PERCENT MOISTURE**	**WorkOrder:**	**05081228**
Method:	**D2216**	**Lab Batch ID:**	**R149144A**

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-01B	SB1-0-2'
05081228-02B	SB1-14-15'
05081228-03B	SB1-19-20'
05081228-04B	SB2-1-2'
05081228-05B	SB2-15-16'

Sample Duplicate

Original Sample:	05081226-04		
RunID:	WET_050827D-2917367	Units:	wt%
Analysis Date:	08/27/2005 15:02	Analyst:	E_S

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	15.4	15.27	0.795	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis:	PERCENT MOISTURE	**WorkOrder:**	05081228
Method:	D2216	**Lab Batch ID:**	R149144B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-06B	SB2-20-21'
05081228-07B	SB3-1-2'
05081228-08B	SB3-15-16'
05081228-10B	SB4-1-2'
05081228-11B	SB4-15-16'
05081228-12B	SB4-20-21'
05081228-13B	SB5-1-2'
05081228-14B	SB5-15-16'
05081228-15B	SB5-20-21'

Sample Duplicate

Original Sample:	05081226-12		
RunID:	WET_050827D-2917361	Units:	wt%
Analysis Date:	08/27/2005 15:02	Analyst:	E_S

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	29.4	29.36	0.221	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: PERCENT MOISTURE
Method: D2216

WorkOrder: 05081228
Lab Batch ID: R149144C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-09B	SB3-20-21'
05081228-16B	SB6-1-2'
05081228-17B	SB6-15-16'
05081228-18B	SB6-20-21'

Sample Duplicate

Original Sample: 05081228-09
RunID: WET_050827D-2917351 Units: wt%
Analysis Date: 08/27/2005 15:02 Analyst: E_S

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	5.87	5.978	1.83	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: PERCENT MOISTURE
Method: D2216

WorkOrder: 05081228
Lab Batch ID: R149144D

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-19B	SB7-1-2'
05081228-20B	SB7-15-16'
05081228-21B	SB7-20-21'
05081228-22B	SB8-1-2'
05081228-23B	SB8-15-16'
05081228-24B	SB8-20-21'
05081228-25B	SB9-1-2'
05081228-26B	SB9-15-16'
05081228-27B	SB9-20-21'
05081228-28B	SB10-1-2'

Sample Duplicate

Original Sample: 05081228-19
RunID: WET_050827D-2917340 Units: wt%
Analysis Date: 08/27/2005 15:02 Analyst: E_S

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	11.5	11.37	1.26	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: PERCENT MOISTURE
Method: D2216

WorkOrder: 05081228
Lab Batch ID: R149144E

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-29B	SB10-15-16'
05081228-30B	SB10-20-21'
05081228-31B	SB11-1-2'
05081228-32B	SB11-15-16'
05081228-33B	SB11-20-21'
05081228-34B	Background
05081228-39B	Duplicate

Sample Duplicate

Original Sample: 05081228-29
RunID: WET_050827D-2917329 Units: wt%
Analysis Date: 08/27/2005 15:02 Analyst: E_S

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	5.96	5.981	0.278	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Chloride, Total
Method: E325.2
WorkOrder: 05081228
Lab Batch ID: R149470

Method Blank

RunID: KONELAB_050831D-29226 Units: mg/kg
Analysis Date: 08/31/2005 16:09 Analyst: T_H

Analyte	Result	Rep Limit
Chloride	ND	10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-01B	SB1-0-2'
05081228-02B	SB1-14-15'
05081228-03B	SB1-19-20'
05081228-04B	SB2-1-2'
05081228-06B	SB2-20-21'
05081228-07B	SB3-1-2'
05081228-08B	SB3-15-16'
05081228-09B	SB3-20-21'
05081228-10B	SB4-1-2'
05081228-11B	SB4-15-16'

Laboratory Control Sample (LCS)

RunID: KONELAB_050831D-29226 Units: mg/kg
Analysis Date: 08/31/2005 16:09 Analyst: T_H

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	500.0	522.8	104.6	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081228-01
RunID: KONELAB_050831D-29226 Units: mg/kg-dry
Analysis Date: 08/31/2005 17:05 Analyst: T_H

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	ND	601.7	576.6	94.60	601.7	590.6	96.92	2.400	20	76	131

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Chloride, Total
Method: E325.2
WorkOrder: 05081228
Lab Batch ID: R149470A

Method Blank

RunID: KONELAB_050831D-29226 Units: mg/kg
Analysis Date: 08/31/2005 16:09 Analyst: T_H

Analyte	Result	Rep Limit
Chloride	ND	10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-05B	SB2-15-16'
05081228-12B	SB4-20-21'
05081228-13B	SB5-1-2'
05081228-14B	SB5-15-16'
05081228-15B	SB5-20-21'
05081228-16B	SB6-1-2'
05081228-17B	SB6-15-16'
05081228-18B	SB6-20-21'
05081228-19B	SB7-1-2'
05081228-20B	SB7-15-16'

Laboratory Control Sample (LCS)

RunID: KONELAB_050831D-29226 Units: mg/kg
Analysis Date: 08/31/2005 16:09 Analyst: T_H

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	500.0	522.8	104.6	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081228-05
RunID: KONELAB_050831D-29226 Units: mg/kg-dry
Analysis Date: 08/31/2005 17:05 Analyst: T_H

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	25.64	508.9	534.6	100.0	508.9	531.8	99.47	0.5115	20	76	131

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Chloride, Total
Method: E325.2

WorkOrder: 05081228
Lab Batch ID: R149470B

Method Blank

RunID: KONELAB_050831D-29226 Units: mg/kg
Analysis Date: 08/31/2005 17:56 Analyst: T_H

Analyte	Result	Rep Limit
Chloride	ND	10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-21B	SB7-20-21'
05081228-22B	SB8-1-2'
05081228-23B	SB8-15-16'
05081228-24B	SB8-20-21'
05081228-25B	SB9-1-2'
05081228-26B	SB9-15-16'
05081228-27B	SB9-20-21'
05081228-28B	SB10-1-2'
05081228-29B	SB10-15-16'
05081228-30B	SB10-20-21'

Laboratory Control Sample (LCS)

RunID: KONELAB_050831D-29226 Units: mg/kg
Analysis Date: 08/31/2005 17:56 Analyst: T_H

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	500.0	536.0	107.2	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081228-25
RunID: KONELAB_050831D-29227 Units: mg/kg-dry
Analysis Date: 08/31/2005 18:35 Analyst: T_H

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	ND	621.9	562.9	88.91	621.9	573.7	90.64	1.892	20	76	131

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

ExxonMobil

NM Satek Battery#3/041836

Analysis: Chloride, Total
Method: E325.2
WorkOrder: 05081228
Lab Batch ID: R149470C

Method Blank

RunID: KONELAB_050831D-29226 Units: mg/kg
Analysis Date: 08/31/2005 17:56 Analyst: T_H

Analyte	Result	Rep Limit
Chloride	ND	10

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081228-31B	SB11-1-2'
05081228-32B	SB11-15-16'
05081228-33B	SB11-20-21'
05081228-34B	Background
05081228-39B	Duplicate

Laboratory Control Sample (LCS)

RunID: KONELAB_050831D-29226 Units: mg/kg
Analysis Date: 08/31/2005 17:56 Analyst: T_H

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	500.0	536.0	107.2	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081228-34
RunID: KONELAB_050831D-29227 Units: mg/kg-dry
Analysis Date: 08/31/2005 18:35 Analyst: T_H

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	ND	631.3	657.6	102.8	631.3	656.3	102.6	0.1920	20	76	131

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	05081228	Received By:	NB
Date and Time Received:	8/26/2005 9:30:00 AM	Carrier name:	Fedex-Standard Overnight
Temperature:	3.0/3.5°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3.	Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels?	Yes ☑	No ☐	
7.	Samples in proper container/bottle?	Yes ☑	No ☐	
8.	Sample containers intact?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test?	Yes ☑	No ☐	
10.	All samples received within holding time?	Yes ☑	No ☐	
11.	Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
12.	Water - VOA vials have zero headspace?	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	Water - Preservation checked upon receipt (except VOA*)?	Yes ☑	No ☐	Not Applicable ☐

*VOA Preservation Checked After Sample Analysis

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

05081228

EXXONMOBIL

SPL WORKORDER NO. 2562 Page 1 of 4

ExxonMobil Engineer: Chris Clover Phone: 2816548460

Consultant Co. Name: CRA Contact: Jim Buice

Address: ~~H2O~~ 2135 S. Loop 250 W Fax: 4326860186
Midland TX 79703

RAS #: _____ Facility/State ID#(TN Only): _____

AFE#(Terminal Only): _____ Consultant Project #: 041836

Location: NMK Battery #3 (City) Buckeye (State) NM

☐ EE ☐ C&M ☐ SDT

0160 ExxonMobil Oil Corp ☐ 0944 ExxonMobil Marketing & Ref. Co. ☐

0614 ExxonMobil Pipeline Co. ☐ 0231 Mobil Oil Pipeline Co. ☐

Purchase Order No.: _____

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 GRO ☒ 8015 DRO ☒	BTEX 8021 ☒ 602 ☐	MTBE 8021 ☐ 8260 ☐	OXYGENATES (7) 8260 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐ 1664 ☐	VOL. 8260 ☐ 624 ☐	SEMI-VOL. 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8081/8082 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL RCRA ☐ METALS TCLP ☐	PB, TOTAL 200.7 ☐ 6010 ☐ PB, TCLP ☐	PB, DISSOLVED ☐ PB, TOTAL ☐ (200.7/6010	REACTIVITY ☐ CORROSIVITY ☐ FLASHPOINT ☐	PURGEABLE HYDROCARBON 8021 ☐ 601 ☐	TPHH/IR 418.1 ☐	TOX/TOH ☐	OTHER: Chlor. DE 325.3
SB1 - 0-2'	8/22	1430		X		X			4°C	2	4	X	X															X	
SB1 - 14-15'		1440																											
SB1 - 19-20'		1450					-																						
SB2 - 1-2'		1505																											
SB2 - 15-16'		1520																											
SB2 - 20-21'		1530																											
SB3 - 1-2'		1540																											
SB3 - 15-16'		1555																											
SB3 - 20-21'		1600																											
SB4 - 1-2'		1620																											

TAT (* - Contact us Prior to Sending Samples)

24 HR. _____* 48 HR. _____*

72 HR. _____* 5 BUS. _____*

8 BUS. _____ 10 BUS. _____

15 BUS. _____ 30 BUS. _____

QA/QC Level

STANDARD "A" _____

ENHANCED "B" _____

FULL DATA "C" _____

TRRP DATA "C" _____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

PDF ☐ ☐ EDD

REMARKS:

EXXONMOBIL CONTRACT NO. C57160

Way Bill #: _____ Cooler Temp: 3.0°C

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler: JRB	8/25/05	1000	Received By:
Relinquished:	Date	Time	Received By:
Relinquished	Date 8/26/05	Time 0930	Received By:

Triplicate: Original * White Lab's Copy * Green Client Copy * Yellow

EXXONMOBIL

QF 081728

SPL WORKORDER NO. 2563 Page 2 of 4

ExxonMobil Engineer: Chris Clover Phone: 2816548460

Consultant Co. Name: CRA Contact: Jim Buie

Address: 2135 S. Loop 250 W. Fax: 4326860186
Midland TX 79703

RAS #: Facility/State ID#(TN Only):

AFE#(Terminal Only): Consultant Project #: 041836

Location: NM State Ka Battery #3 (City) Buckeye (State) NM

☐ EE ☐ C&M ☐ SDT

0160 ExxonMobil Oil Corp ☐ 0944 ExxonMobil Marketing & Ref. Co. ☐

0614 ExxonMobil Pipeline Co. ☐ 0231 Mobil Oil Pipeline Co. ☐

Purchase Order No.:

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 DRO	TPH/GC 8015 GRO	BTEX 8021	BTEX 602 ☐	MTBE 8021 ☐ 8260 ☐	OXYGENATES (7) 8260 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐ 1664 ☐	VOL. 8260 ☐ 624 ☐	SEMI-VOL. 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8081/8082 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL RCRA ☐ METALS TCLP ☐	PB, TOTAL 200.7 ☐ 6010 ☐ PB, TCLP ☐	PB, DISSOLVED ☐ PB, TOTAL ☐ (200.7/6010	REACTIVITY ☐ CORROSIVITY ☐ FLASHPOINT ☐	PURGEABLE HYDROCARBON 8021 ☐ 601 ☐	TPHH/IR 418.1 ☐	TOX/TOH ☐	OTHER: Chloride 325.3
SB4 - 15-16'	8/22	1640		X		X			4°C	2	4	X	X	X																	X
SB4 - 20-21'		1645																													
SB5 - 1-2'		1655																													
SB5 - 15-16'		1705																													
SB5 - 20-21'		1710																													
SB6 - 1-2'		1735																													
SB6 - 15-16'		1740																													
SB6 - 20-21'		1750																													
SB7 - 1-2'	8/23	0730																													
SB7 - 15-16'	8/23	0743																													

TAT (* - Contact us Prior to Sending Samples)

24 HR. ____ * 48 HR. ____ *

72 HR. ____ * 5 BUS. ____ *

8 BUS. ____ 10 BUS. ____

15 BUS. ____ 30 BUS. ____

QA/QC Level

STANDARD "A" ____

ENHANCED "B" ____

FULL DATA "C" ____

TRRP DATA "C" ____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

PDF ☐ ☐ EDD

REMARKS:

EXXONMOBIL CONTRACT NO. C57160

Way Bill #: Cooler Temp: 3.0°C

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:	8/25/05	1000	Received By:
Relinquished:	Date	Time	Received By:
Relinquished	8/26/05	0930	Received By:

Triplicate: Original * White Lab's Copy * Green Client Copy * Yellow

05081228

EXXONMOBIL

SPL WORKORDER NO. 2564 Page 3 of 4

ExxonMobil Engineer: Chris Glover Phone: 281 654 8460

Consultant Co. Name: CA Contact: Jim Buice

Address: 2135 S. Loop 250 W. Fax: 432 6860186
Midland Tx 79703

RAS #: Facility/State ID#(TN Only):

AFE#(Terminal Only): Consultant Project #:

Location: NM State K Battery #3 (City) Buckeye (State) NM

☐ EE ☐ C&M ☐ SDT

0160 ExxonMobil Oil Corp ☐ 0944 ExxonMobil Marketing & Ref. Co. ☐

0614 ExxonMobil Pipeline Co. ☐ 0231 Mobil Oil Pipeline Co. ☐

Purchase Order No.:

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 GRO ☒ 8015 DRO ☒	BTEX 8021 ☒ 602 ☐	MTBE 8021 ☐ 8260 ☐	OXYGENATES (7) 8260 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐ 1664 ☐	VOL. 8260 ☐ 624 ☐	SEMI-VOL. 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8081/8082 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL RCRA ☐ METALS TCLP ☐	PB, TOTAL 200.7 ☐ 6010 ☐ PB, TCLP ☐	PB, DISSOLVED ☐ PB, TOTAL ☐ (200.7/6010	REACTIVITY ☐ CORROSIVITY ☐ FLASHPOINT ☐	PURGEABLE HYDROCARBON 8021 ☐ 601 ☐	TPHH/IR 418.1 ☐	TOX/TOH ☐	OTHER: Chloride 325.3				
SB#7_20-21'	8/23	0750		X		X			4°C	2	4	X	X																X				
SB#8-1-2'		0800																															
SB8_15-16'		0815																															
SB 8 = 20-21'		0830																															
SB9_1-2'		~~0835~~ 0836																															
SB9-15-16'		0845																															
SB9_20-21'		0850																															
SB10=1-2'		0940																															
SB10=15-16'		0955																															
SB10=20-21'		1005		↓		↓			↓	↓	↓	↓	↓																↓				

TAT (* - Contact us Prior to Sending Samples)

24 HR. ____ * 48 HR. ____ *

72 HR. ____ * 5 BUS. ____ *

8 BUS. ____ 10 BUS. ____

15 BUS. ____ 30 BUS. ____

QA/QC Level

STANDARD "A" ____

ENHANCED "B" ____

FULL DATA "C" ____

TRRP DATA "C" ____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

PDF ☐ ☐ EDD

REMARKS:

EXXONMOBIL CONTRACT NO. C57160

Way Bill #: Cooler Temp: 3.5°

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler:	8/25/05	1000	Received By:
Relinquished	Date	Time	Received By:
Relinquished	8/26/05	0930	Received By:

Triplicate: Original * White Lab's Copy * Green Client Copy * Yellow

05081228

EXXONMOBIL

SPL WORKORDER NO. 2565 Page 4 of 4

ExxonMobil Engineer: Chris Clover Phone: 2816548460

Consultant Co. Name: CRA Contact: Jim Brice

Address: 2135 S. Loop 250 W. Fax: 432 6860186
Midland TX 79703

RAS #: _____ Facility/State ID#(TN Only): _____

AFE#(Terminal Only): _____ Consultant Project #: _____

Location: NM Snake Battery #3 (City) Buckeye (State) NM

☐ EE ☐ C&M ☐ SDT

0160 ExxonMobil Oil Corp ☐ 0944 ExxonMobil Marketing & Ref. Co. ☐

0614 ExxonMobil Pipeline Co. ☐ 0231 Mobil Oil Pipeline Co. ☐

Purchase Order No.: _____

ANALYSIS REQUEST: (CHECK APPROPRIATE BOX)

OTHER

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 GRO ☒ DRO ☒	BTEX 8021 ☒ 602 ☐	MTBE 8021 ☐ 8260 ☐	OXYGENATES (7) 8260 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐ 1664 ☐	VOL. 8260 ☐ 624 ☐	SEMI-VOL. 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8081/8082 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL RCRA ☐ METALS TCLP ☐	PB, TOTAL 200.7 ☐ 6010 ☐ PB, TCLP ☐	PB, DISSOLVED ☐ PB, TOTAL ☐ (200.7/6010	REACTIVITY ☐ CORROSIVITY ☐ FLASHPOINT ☐	PURGEABLE HYDROCARBON 8021 ☐ 601 ☐	TPHH/IR 418.1 ☐	TOX/TOH ☐	Chloride 325.3	Temperature
SB11 - 1-2'	8/23	1010		X		X			4°C	2	4	X	X																X	
SB11 - 15-16'	↓	1017		↓		↓			↓	↓	↓	X	X																X	
SB11 - 20-21'		1025								↓		X	X																X	
BACKGROUND	↓	1210		↓		↓			↓	1	↓																		X	
TRIP BLANK					X				4°C	5	40																			
DUPLICATE						X			4°C	4	4	X	X																X	
TEMP BLANK					X				4°C	2																				X

TAT (* - Contact us Prior to Sending Samples)

24 HR. _____* 48 HR. _____*

72 HR. _____* 5 BUS. _____*

8 BUS. _____ 10 BUS. _____

15 BUS. _____ 30 BUS. _____

QA/QC Level

STANDARD "A" _____

ENHANCED "B" _____

FULL DATA "C" _____

TRRP DATA "C" _____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)

PDF ☐ ☐ EDD

REMARKS: TRIP BLANK: RUN BTEX 8021B ONLY. JRB
TWO TRIPS/COOLER.

EXXONMOBIL CONTRACT NO. C57160

Way Bill #: _____ Cooler Temp: 3.5°C

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler: JRB	8/25/05	1000	Received By:
Relinquished:	Date	Time	Received By:
Relinquished	8/26/05	0930	Received By:

Triplicate: Original * White Lab's Copy * Green Client Copy * Yellow

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

ExxonMobil

Certificate of Analysis Number:

05081170

Report To:		Project Name:	NM Satek Battery#3
Conestoga-Rovers & Associates, Inc. Jim Buice 2135 South Loop 250 West		Site:	Buckey, NM
		Site Address:	
		PO Number:	
Midland TX 79703-		State:	Texas
		State Cert. No.:	
ph: (432) 686-0086	fax:	Date Reported:	9/9/2005

This Report Contains A Total Of 14 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

9/9/2005

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

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

Case Narrative for:

ExxonMobil

Certificate of Analysis Number:

05081170

Report To:		Project Name:	NM Satek Battery#3
Conestoga-Rovers & Associates, Inc.		Site:	Buckey, NM
Jim Buice		Site Address:	
2135 South Loop 250 West			
		PO Number:	
Midland		State:	Texas
TX		State Cert. No.:	
79703-		Date Reported:	9/9/2005
ph (432) 686-0086	fax:		

Revision I:

This narrative has been revised due to a laboratory error. Please insert this page into your original report. SPL apologizes for any inconvenience this error may have caused you or your company.

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representativ of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Sonia West

Sonia West
Senior Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative

9/19/2005
Date

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

ExxonMobil

Certificate of Analysis Number:

05081170

Report To:	Conestoga-Rovers & Associates, Inc. Jim Buice 2135 South Loop 250 West Midland TX 79703- ph: (432) 686-0086 fax:	**Project Name:**	NM Satek Battery#3
		Site:	Buckey, NM
		Site Address:	
		PO Number:	
		State:	Texas
		State Cert. No.:	
Fax To:		**Date Reported:**	9/9/2005

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Waste Chara.	05081170-01	Soil	8/23/2005 11:00:00 AM	8/26/2005 9:30:00 AM	2559	☐

Sonia West

9/9/2005

Sonia West
Senior Project Manager

Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

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

Client Sample ID: Waste Chara. **Collected:** 08/23/2005 11:00 **SPL Sample ID:** 05081170-01

Site: Buckey, NM

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
CORROSIVITY				MCL	SW9045D	Units: pH Units		
Corrosivity	8.18		0.1		1	08/26/05 16:40	A_E	2917026
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/kg		
Diesel Range Organics (C10-C28)	ND		5		1	09/07/05 10:48	CLJ	2929593
Surr: n-Pentacosane	78.2		% 20-154		1	09/07/05 10:48	CLJ	2929593

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	08/31/2005 9:50	EFE	1.00

GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/kg		
Gasoline Range Organics	ND		0.1		1	08/30/05 22:13	JWW	2922135
Surr: 1,4-Difluorobenzene	99.7		% 63-142		1	08/30/05 22:13	JWW	2922135
Surr: 4-Bromofluorobenzene	105		% 50-159		1	08/30/05 22:13	JWW	2922135

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	08/30/2005 11:54	OFE	1.00

IGNITABILITY MODIFIED OPEN CUP				MCL	ASTM D92-01	Units: °F		
Ignitability	>212		20		1	09/02/05 11:15	E_S	2924644
PURGEABLE AROMATICS				MCL	SW8021B	Units: ug/Kg		
Benzene	ND		1		1	08/26/05 22:31	JWW	2917170
Toluene	ND		1		1	08/26/05 22:31	JWW	2917170
Ethylbenzene	ND		1		1	08/26/05 22:31	JWW	2917170
m,p-Xylene	ND		1		1	08/26/05 22:31	JWW	2917170
o-Xylene	ND		1		1	08/26/05 22:31	JWW	2917170
Xylenes,Total	ND		1		1	08/26/05 22:31	JWW	2917170
Surr: 1,4-Difluorobenzene	98.2		% 77-126		1	08/26/05 22:31	JWW	2917170
Surr: 4-Bromofluorobenzene	104		% 60-160		1	08/26/05 22:31	JWW	2917170

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5030B	08/26/2005 15:12	OFE	1.00

REACTIVE CYANIDE-SOLID				MCL	SW7.3.3.2	Units: mg/kg		
Reactive Cyanide	ND		1		1	08/31/05 14:00	ESK	2922759
REACTIVE SULFIDE - SOLID				MCL	SW7.3.4.2	Units: mg/kg		
Reactive Sulfide	ND		10		1	08/31/05 10:00	ESK	2921721

Sonia West

Sonia West
Project Manager

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

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

Quality Control Report

ExxonMobil
NM Satek Battery#3

Analysis: Diesel Range Organics
Method: SW8015B

WorkOrder: 05081170
Lab Batch ID: 51015

Method Blank

RunID: HP_V_050907A-2929591 Units: mg/kg
Analysis Date: 09/07/2005 8:59 Analyst: CLJ
Preparation Date: 08/31/2005 9:50 Prep By: EFE Method SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081170-01B	Waste Chara.

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	5.0
Surr: n-Pentacosane	83.8	20-154

Laboratory Control Sample (LCS)

RunID: HP_V_050907A-2929592 Units: mg/kg
Analysis Date: 09/07/2005 9:52 Analyst: CLJ
Preparation Date: 08/31/2005 9:50 Prep By: EFE Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	66.6	61.5	92.4	57	150

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081293-01
RunID: HP_V_050907A-2929595 Units: mg/kg
Analysis Date: 09/07/2005 12:37 Analyst: CLJ
Preparation Date: 08/31/2005 9:50 Prep By: EFE Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	ND	133	42.9	32.2	66.6	22.9	34.4	60.8 *	50	21	175

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

ExxonMobil
NM Satek Battery#3

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 05081170
Lab Batch ID: R149134

Method Blank

RunID: HP_O_050826A-2917161 Units: ug/Kg
Analysis Date: 08/26/2005 17:27 Analyst: JWW
Preparation Date: 08/26/2005 17:27 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081170-01A	Waste Chara.

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	97.5	77-126
Surr: 4-Bromofluorobenzene	105.0	60-160

Laboratory Control Sample (LCS)

RunID: HP_O_050826A-2917160 Units: ug/Kg
Analysis Date: 08/26/2005 16:54 Analyst: JWW
Preparation Date: 08/26/2005 16:54 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	20.0	20.2	101	70	130
Ethylbenzene	20.0	20.6	103	70	130
Toluene	20.0	20.4	102	70	130
m,p-Xylene	40.0	41.4	103	70	130
o-Xylene	20.0	20.5	103	70	130
Xylenes,Total	60.0	61.9	103	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081176-01
RunID: HP_O_050826A-2917165 Units: ug/Kg
Analysis Date: 08/26/2005 19:44 Analyst: JWW
Preparation Date: 08/26/2005 12:54 Prep By: OFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	18.7	90.5	20	20.6	99.9	9.56	32	36	139
Ethylbenzene	ND	20	18.0	90.2	20	19.8	98.8	9.03	32	25	138
Toluene	2.09	20	19.7	88.1	20	21.3	96.2	7.89	34	31	138

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

ExxonMobil

NM Satek Battery#3

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 05081170
Lab Batch ID: R149134

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081176-01
RunID: HP_O_050826A-2917165 Units: ug/Kg
Analysis Date: 08/26/2005 19:44 Analyst: JWW
Preparation Date: 08/26/2005 12:54 Prep By: OFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
m,p-Xylene	ND	40	35.8	89.6	40	38.9	97.4	8.36	34	25	139
o-Xylene	ND	20	18.0	90.0	20	19.2	96.1	6.55	32	19	144
Xylenes,Total	ND	60	53.8	89.7	60	58.1	96.9	7.76	34	19	144

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

ExxonMobil
NM Satek Battery#3

Analysis: Gasoline Range Organics
Method: SW8015B
WorkOrder: 05081170
Lab Batch ID: R149442

Method Blank

RunID: HP_O_050830B-2922133 Units: mg/kg
Analysis Date: 08/30/2005 18:45 Analyst: JWW
Preparation Date: 08/30/2005 18:45 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081170-01A	Waste Chara.

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	99.7	63-142
Surr: 4-Bromofluorobenzene	105.0	50-159

Laboratory Control Sample (LCS)

RunID: HP_O_050830B-2922132 Units: mg/kg
Analysis Date: 08/30/2005 18:08 Analyst: JWW
Preparation Date: 08/30/2005 18:08 Prep By: Method SW5030B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1.00	0.870	87.0	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 05081293-01
RunID: HP_O_050830B-2922142 Units: mg/kg
Analysis Date: 08/31/2005 4:49 Analyst: JWW
Preparation Date: 08/30/2005 15:02 Prep By: OFE Method SW5030B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	1	0.880	88.0	1	0.875	87.5	0.513	50	26	147

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Quality Control Report

ExxonMobil
NM Satek Battery#3

Analysis: Corrosivity
Method: SW9045D

WorkOrder: 05081170
Lab Batch ID: R149126

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081170-01B	Waste Chara.

Laboratory Control Sample (LCS)

RunID: WET_050826J-2917025 Units: pH Units
Analysis Date: 08/26/2005 16:40 Analyst: A_E

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Corrosivity	7.000	7.010	100.1	98	102

Sample Duplicate

Original Sample: 05081170-01
RunID: WET_050826J-2917026 Units: pH Units
Analysis Date: 08/26/2005 16:40 Analyst: A_E

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Corrosivity	8.18	8.17	0.122	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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

Quality Control Report

ExxonMobil
NM Satek Battery#3

Analysis: Reactive Sulfide - Solid
Method: SW7.3.4.2
WorkOrder: 05081170
Lab Batch ID: R149418

Method Blank

RunID: WET_050831C-2921718 Units: mg/kg
Analysis Date: 08/31/2005 10:00 Analyst: ESK

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081170-01B	Waste Chara.

Analyte	Result	Rep Limit
Reactive Sulfide	ND	10

Laboratory Control Sample (LCS)

RunID: WET_050831C-2921720 Units: mg/kg
Analysis Date: 08/31/2005 10:00 Analyst: ESK

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Reactive Sulfide	100.0	95.60	95.60	85	115

Sample Duplicate

Original Sample: 05081233-01
RunID: WET_050831C-2921722 Units: mg/kg
Analysis Date: 08/31/2005 10:00 Analyst: ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Reactive Sulfide	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

ExxonMobil
NM Satek Battery#3

Analysis: Reactive Cyanide-Solid
Method: SW7.3.3.2
WorkOrder: 05081170
Lab Batch ID: R149473

Method Blank

RunID: WET_050831N-2922755 Units: mg/kg
Analysis Date: 08/31/2005 14:00 Analyst: ESK

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081170-01B	Waste Chara.

Analyte	Result	Rep Limit
Reactive Cyanide	ND	1.0

Laboratory Control Sample (LCS)

RunID: WET_050831N-2922756 Units: mg/kg
Analysis Date: 08/31/2005 14:00 Analyst: ESK

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Reactive Cyanide	2.000	0.4020	20.10	5	50

Sample Duplicate

Original Sample: 05081233-01
RunID: WET_050831N-2922760 Units: mg/kg
Analysis Date: 08/31/2005 14:00 Analyst: ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Reactive Cyanide	ND	ND	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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

Quality Control Report

ExxonMobil
NM Satek Battery#3

Analysis: Ignitability Modified Open Cup
Method: ASTM D92-01
WorkOrder: 05081170
Lab Batch ID: R149584

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
05081170-01B	Waste Chara.

Laboratory Control Sample (LCS)

RunID: WET_050902C-2924640 Units: °F
Analysis Date: 09/02/2005 11:15 Analyst: E_S

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Ignitability	81.0	81.1	100	97.5	102.5

Sample Duplicate

Original Sample: 05081234-01
RunID: WET_050902C-2924642 Units: °F
Analysis Date: 09/02/2005 11:15 Analyst: E_S

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Ignitability	212	212	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	05081170	Received By:	NB
Date and Time Received:	8/26/2005 9:30:00 AM	Carrier name:	Fedex-Standard Overnight
Temperature:	3.0°C	Chilled by:	Water Ice

1.	Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2.	Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
3.	Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4.	Chain of custody present?	Yes ☑	No ☐	
5.	Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
6.	Chain of custody agrees with sample labels?	Yes ☑	No ☐	
7.	Samples in proper container/bottle?	Yes ☑	No ☐	
8.	Sample containers intact?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test?	Yes ☑	No ☐	
10.	All samples received within holding time?	Yes ☑	No ☐	
11.	Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
12.	Water - VOA vials have zero headspace?	Yes ☐	No ☐	VOA Vials Not Present ☑
13.	Water - Preservation checked upon receipt (except VOA*)?	Yes ☐	No ☐	Not Applicable ☑

*VOA Preservation Checked After Sample Analysis

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

05081170

EXXONMOBIL

SPL WORKORDER NO. 2559 Page 1 of 1

ExxonMobil Engineer: Chris Clover Phone: 281 654 8460

Consultant Co. Name: CRA Contact: Jim Brice

Address: 2135 S. Loop 250W Fax: 432 6860186
Midland Tx 79703

RAS #: _____ Facility/State ID#(TN Only): _____

AFE#(Terminal Only): _____ Consultant Project #: _____

Location: NM Statek Battery #3 (City) Bokeye (State) NM

☐ EE ☐ C&M ☐ SDT

0160 ExxonMobil Oil Corp ☐ 0944 ExxonMobil Marketing & Ref. Co. ☐

0614 ExxonMobil Pipeline Co. ☐ 0231 Mobil Oil Pipeline Co. ☐

Purchase Order No.: _____

SAMPLE I.D.	DATE	TIME	COMP.	GRAB	MATRIX H_2O	MATRIX SOIL	MATRIX AIR	OTHER	PRESERVATIVE	NO. OF CONTAINERS	CONTAINER SIZE	TPH/GC 8015 GRO ☒ 8015 DRO ☒	BTEX 8021 ☒ 602 ☐	MTBE 8021 ☐ 8260 ☐	OXYGENATES (7) 8260 ☐	O&G IR 413.1 ☐ GRAV. 413.2 ☐ 1664 ☐	VOL. 8260 ☐ 624 ☐	SEMI-VOL. 8270 ☐ 625 ☐	PNA/PAH 8100 ☐ 8310 ☐ 8270 ☐	PCB/PEST 8081/8082 ☐ PCB ONLY ☐	TCLP FULL ☐ VOA ☐ SEMI-VOA ☐ PEST ☐ HERB ☐	METALS, TOTAL RCRA ☐ METALS TCLP ☐	PB, TOTAL 200.7 ☐ 6010 ☐ PB, TCLP ☐	PB, DISSOLVED ☐ PB, TOTAL ☐ (200.7/6010)	REACTIVITY ☒ CORROSIVITY ☒ FLASHPOINT ☒	PURGEABLE HYDROCARBON 8021 ☐ 601 ☐	TPHH/IR 418.1 ☐	TOX/TOH ☐	OTHER
WASTE CHARA.	8/23	1100	X			X			4°C	2	4	X	X												X				

TAT (* - Contact us Prior to Sending Samples)
24 HR. _____* 48 HR. _____*
72 HR. _____* 5 BUS. _____*
8 BUS. _____ 10 BUS. _____
15 BUS. _____ 30 BUS. _____

QA/QC Level
STANDARD "A" ____
ENHANCED "B" ____
FULL DATA "C" ____
TRRP DATA "C" ____

SPECIAL DETECTION LIMITS (Specify)

SPECIAL REPORTING REQUIREMENTS (Specify)
PDF ☐ ☐ EDD

REMARKS:

EXXONMOBIL CONTRACT NO. C57160

Way Bill #: _____ Cooler Temp: 3.0°

CUSTODY RECORD

	Date	Time	
Relinquished By Sampler: JRB	8/25/05	1000	Received By:
Relinquished:	Date	Time	Received By:
Relinquished	8/26/05	0930	Received By:

Triplicate: Original * White Lab's Copy * Green Client Copy * Yellow

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

:ct: Exxon/Mobil – NM State K Tank Battery #3	Date Started: 8/22/05	Well No.: SB-1
Project Address: Buckeye, N.M. State/City/Zip:	Date Completed: 8/22/05	Total Depth: 20.0
Well Owner: Exxon/Mobil	Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:	Driller's Helpers: Dallas Rader	Logged By: Dallas Rader

WELL COMPLETION DATA			WELL PLUGGING DATA	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	GPS: N-32-47-26.4 W-103-28-31.6	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	X Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 1.0	Brown clayey sand.
1.0 - 2.0	Tan caliche & limestone cobbles.
2.0 - 4.0	Limestone.
4.0 - 20.0	Tan calcihe.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed
☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE: _____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

ect: Exxon/Mobil – NM State K Tank Battery #3			Date Started: 8/22/05	Well No.: SB-2
Project Address: Buckeye, N.M. State/City/Zip:			Date Completed: 8/22/05	Total Depth: 20.0
Well Owner: Exxon/Mobil			Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:			Driller's Helpers: Dallas Rader	Logged By: Dallas Rader
WELL COMPLETION DATA			**WELL PLUGGING DATA**	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	**GPS: N-32-47-26.4 W-103-28-31.6**	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 2.0	Brown clayey sand.
2.0 - 3.0	Tan caliche & limestone cobbles.
3.0 - 9.5	Tan Caliche.
9.5 - 18.0	Limestone.
18.0 - 20.0	Tan Calcihe.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed

☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE: _____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

ct: Exxon/Mobil – NM State K Tank Battery #3	Date Started: 8/22/05	Well No.: SB-3
Project Address: Buckeye, N.M. State/City/Zip:	Date Completed: 8/22/05	Total Depth: 20.0
Well Owner: Exxon/Mobil	Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:	Driller's Helpers: Dallas Rader	Logged By: Dallas Rader

WELL COMPLETION DATA			WELL PLUGGING DATA	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	GPS: N-32-47-26.4 W-103-28-31.6	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☐ Clean ☐ Dirty

EPTH (ft.)	DESCRIPTION
0.0 - 2.0	Brown clayey sand.
2.0 - 3.0	Tan caliche & limestone cobbles.
3.0 - 20.0	Tan Caliche.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☐ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed

☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE:_____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

:ct: Exxon/Mobil – NM State K Tank Battery #3	Date Started: 8/22/05	Well No.: SB-4
Project Address: Buckeye, N.M. State/City/Zip:	Date Completed: 8/22/05	Total Depth: 20.0
Well Owner: Exxon/Mobil	Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:	Driller's Helpers: Dallas Rader	Logged By: Dallas Rader

WELL COMPLETION DATA			WELL PLUGGING DATA	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	GPS: N-32-47-26.4 W-103-28-31.6	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 2.0	Brown clayey sand.
2.0 - 3.0	Tan caliche & limestone cobbles.
3.0 - 11.0	Tan Caliche.
11.0 – 15.0	Limestone.
15.0 – 20.0	Tan Caliche.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed
☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE: _____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

:ct: Exxon/Mobil – NM State K Tank Battery #3	Date Started: 8/22/05	Well No.: SB-5
Project Address: Buckeye, N.M. State/City/Zip:	Date Completed: 8/22/05	Total Depth: 20.0
Well Owner: Exxon/Mobil	Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:	Driller's Helpers: Dallas Rader	Logged By: Dallas Rader

WELL COMPLETION DATA			WELL PLUGGING DATA	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	GPS: N-32-47-26.4 W-103-28-31.6	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 2.0	Brown clayey sand.
2.0 - 4.0	Tan caliche & limestone cobbles.
4.0 - 10.0	Tan Caliche.
10.0 – 13.0	Limestone.
13.0 – 20.0	Tan Caliche.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed

☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE: _____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

ect: Exxon/Mobil – NM State K Tank Battery #3	Date Started: 8/22/05	Well No.: SB-6
Project Address: Buckeye, N.M. State/City/Zip:	Date Completed: 8/22/05	Total Depth: 20.0
Well Owner: Exxon/Mobil	Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:	Driller's Helpers: Dallas Rader	Logged By: Dallas Rader

WELL COMPLETION DATA			WELL PLUGGING DATA	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	**GPS: N-32-47-26.4 W-103-28-31.6**	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 2.0	Brown clayey sand.
2.0 - 3.0	Tan caliche & limestone cobbles.
3.0 - 20.0	Tan Caliche.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

..EPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed

☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE: _____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

ct: Exxon/Mobil – NM State K Tank Battery #3	Date Started: 8/23/05	Well No.: SB-7
Project Address: Buckeye, N.M. State/City/Zip:	Date Completed: 8/23/05	Total Depth: 20.0
Well Owner: Exxon/Mobil	Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:	Driller's Helpers: Dallas Rader	Logged By: Dallas Rader

WELL COMPLETION DATA			WELL PLUGGING DATA	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	GPS: N-32-47-26.4 W-103-28-31.6	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☑ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 2.0	Brown clayey sand.
2.0 - 3.0	Tan caliche & limestone cobbles.
3.0 - 20.0	Tan Caliche.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

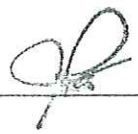
DRILLING METHOD: ☑ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed

☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE: 

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

Project: Exxon/Mobil – NM State K Tank Battery #3	Date Started: 8/23/05	Well No.: SB-8
Project Address: Buckeye, N.M. State/City/Zip:	Date Completed: 8/23/05	Total Depth: 20.0
Well Owner: Exxon/Mobil	Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:	Driller's Helpers: Dallas Rader	Logged By: Dallas Rader

WELL COMPLETION DATA			WELL PLUGGING DATA	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	**GPS: N-32-47-26.4 W-103-28-31.6**	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 5.0	Brown clayey sand.
5.0 - 6.0	Tan caliche & limestone cobbles.
6.0 - 8.0	Tan Caliche.
8.0 – 18.0	Limestone.
18.0 – 20.0	Tan Caliche.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☑ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed

☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE:

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

ct: Exxon/Mobil – NM State K Tank Battery #3	Date Started: 8/23/05	Well No.: SB-9
Project Address: Buckeye, N.M. State/City/Zip:	Date Completed: 8/23/05	Total Depth: 20.0
Well Owner: Exxon/Mobil	Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:	Driller's Helpers: Dallas Rader	Logged By: Dallas Rader

WELL COMPLETION DATA			WELL PLUGGING DATA	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	GPS: N-32-47-26.4 W-103-28-31.6	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 4.0	Brown clayey sand.
4.0 - 6.5	Tan caliche.
6.5 - 13.0	Limestone.
13.0 – 20.0	Tan Caliche.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☑ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed

☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE: _____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

ect: Exxon/Mobil – NM State K Tank Battery #3	Date Started: 8/23/05	Well No.: SB-10
Project Address: Buckeye, N.M. State/City/Zip:	Date Completed: 8/23/05	Total Depth: 20.0
Well Owner: Exxon/Mobil	Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:	Driller's Helpers: Dallas Rader	Logged By: Dallas Rader

WELL COMPLETION DATA			WELL PLUGGING DATA	
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	GPS: N-32-47-26.4 W-103-28-31.6	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☑ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 4.0	Brown clayey sand.
4.0 - 20.0	Tan caliche.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☑ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed

☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE: _____

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

Client: CRA

ct: Exxon/Mobil – NM State K Tank Battery #3		Date Started: 8/23/05	Well No.: SB-11
Project Address: Buckeye, N.M. State/City/Zip:		Date Completed: 8/23/05	Total Depth: 20.0
Well Owner: Exxon/Mobil		Driller: John White	Hole Diameter: 4 3/4
Owner Address: State/City/Zip:		Driller's Helpers: Dallas Rader	Logged By: Dallas Rader
WELL COMPLETION DATA			**WELL PLUGGING DATA**
Diameter:	Screen Slot:	PVC or Steel Schedule:	Casing left in well (ft): N/A	Total Casing Pulled (ft): N/A
Screen Depth:	Sand Feet/Bags: /	Sand Size:	Bentonite Feet/bags: 20.0 – 1.0 / 3 bgs.	Cement Feet/Bags: 1.0 – 0.0 / soil cuttings
Riser Depth:	Bentonite Feet/Bags: /	Cement Feet/Bags: /	**GPS: N-32-47-26.4 W-103-28-31.6**	Total Disposal Drums:
Surface Csg. Dia:	Surface Casing Depth:	Cement Feet/Bags: /	Water Level: DRY	☒ Clean ☐ Dirty

DEPTH (ft.)	DESCRIPTION
0.0 - 2.0	Brown clayey sand.
2.0 - 20.0	Tan caliche.

WHITE DRILLING COMPANY, INC.
ENVIRONMENTAL/GEOTECHNICAL FIELD LOG

DEPTH (ft.)	DESCRIPTION

Per Diem (days)	Well Dev./hrs.	Decon/hrs.	Packer Tests/L.F.	NX Core/ft.	Standby Time/hrs.	Rig Time/hrs.

DRILLING METHOD: ☒ Air Rotary ☐ Mud Rotary ☐ Driven ☐ Air Hammer ☐ Other

SURFACE COMPETION:

☐ Alternative Procedure Used ☐ Surface Sleeve Installed

☐ Surface Slab Installed ☐ Pitless Adapter Used

NOTES:

DRILLERS SIGNATURE: _____

SOIL TYPE

Silty Sand (SM) – Moist, loose, 0–1' depth interval contains organic plant matter.

Calcareous Silty Sand (SM) – White, friable (caliche).

Limestone interbedded with Calcareous Silt (LS/ML) – (Caliche), cemented, friable, dry.

Clay (CL) – Minor sand, medium plasticity, minor calcareous nodules, wet.

Indicates sample selected for laboratory analysis.

Indicates sample interval. Sample was obtained by shovel.

Indicates sample interval. Sample was obtained by drill cuttings.

M Indicates Slight to Medium Staining

H Indicates Heavy Staining

B Benzene Concentration (mg/kg)

BTEX Benzene, Toluene, Ethylbenzene and Xylenes Concentration (mg/kg)

TPH Total Petroleum Hydrocarbons Concentration (mg/kg)

Cl Chloride Concentration (mg/kg)

BDL Below Method Detection Limits

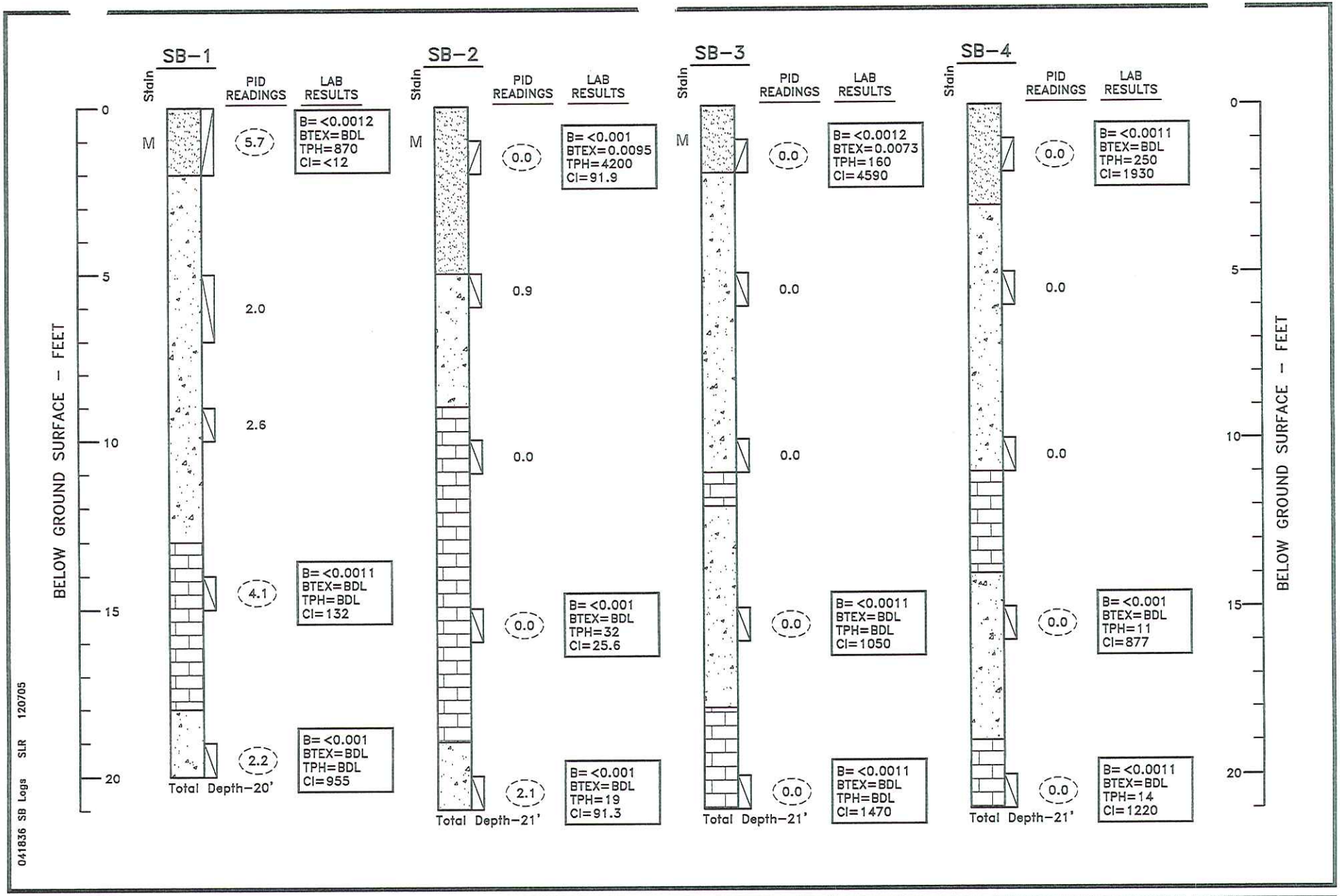
PID Head–space readings in ppm obtained with a photo–ionization detector.

NOTES

1. The soil borings were drilled on August 22–23, 2005.
2. The lines between soil types indicated on the logs represent approximate boundaries. Actual transitions may be gradual.
3. The depths indicated are referenced from the ground surface.
4. Soil borings were plugged with hydrated bentonite.

041836 SB Logs SLR 120705

SOIL BORING LEGEND AND NOTES	JOB No. 041836
NEW MEXICO STATE "K" TANK BATTERY No. 3 LEA COUNTY, NEW MEXICO	APPENDIX I

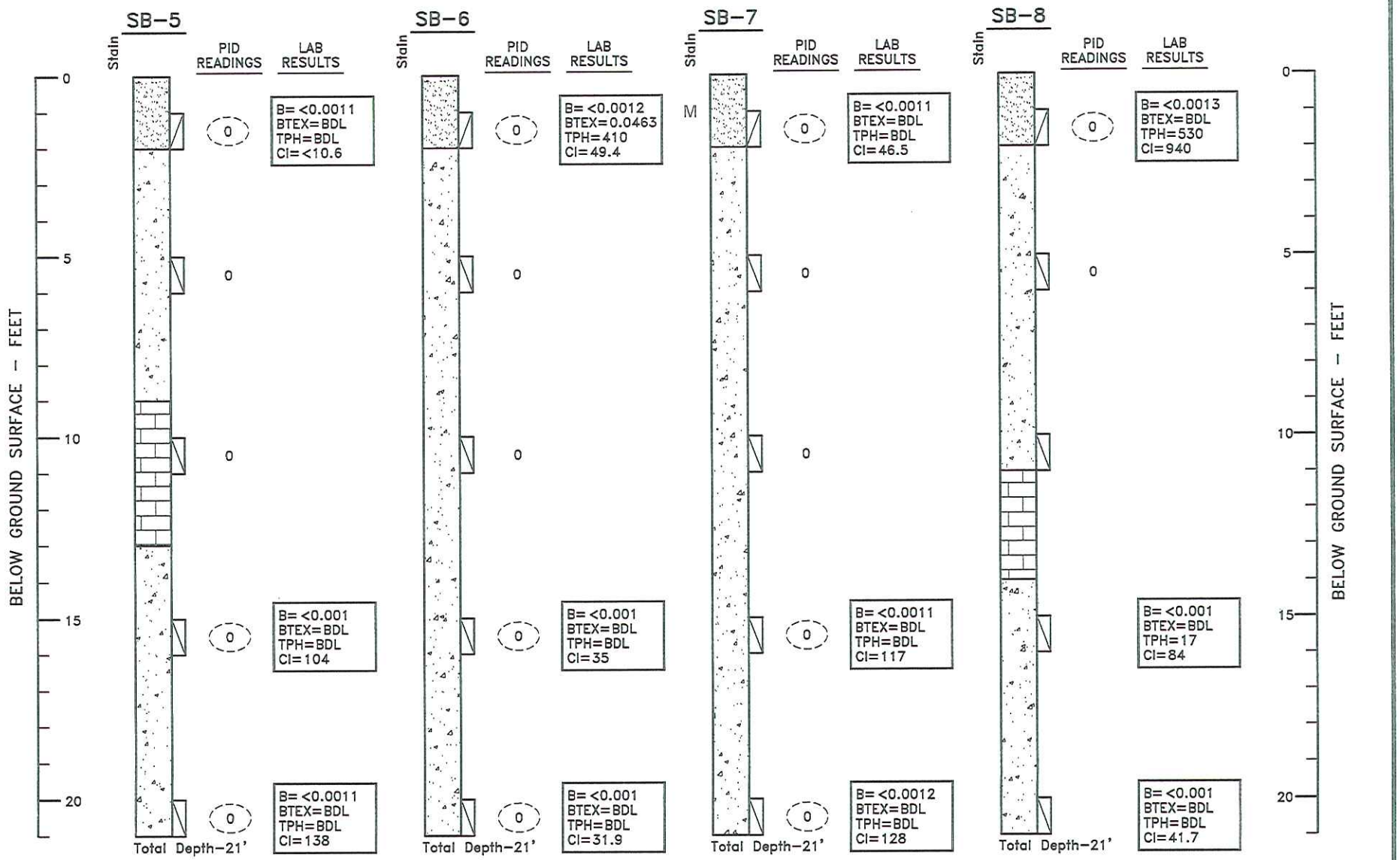


LOGS AND DETAILS FOR SOIL BORINGS SB-1 THROUGH SB-4

NEW MEXICO STATE "K" TANK BATTERY No. 3
LEA COUNTY, NEW MEXICO

JOB No. 041836

APPENDIX I

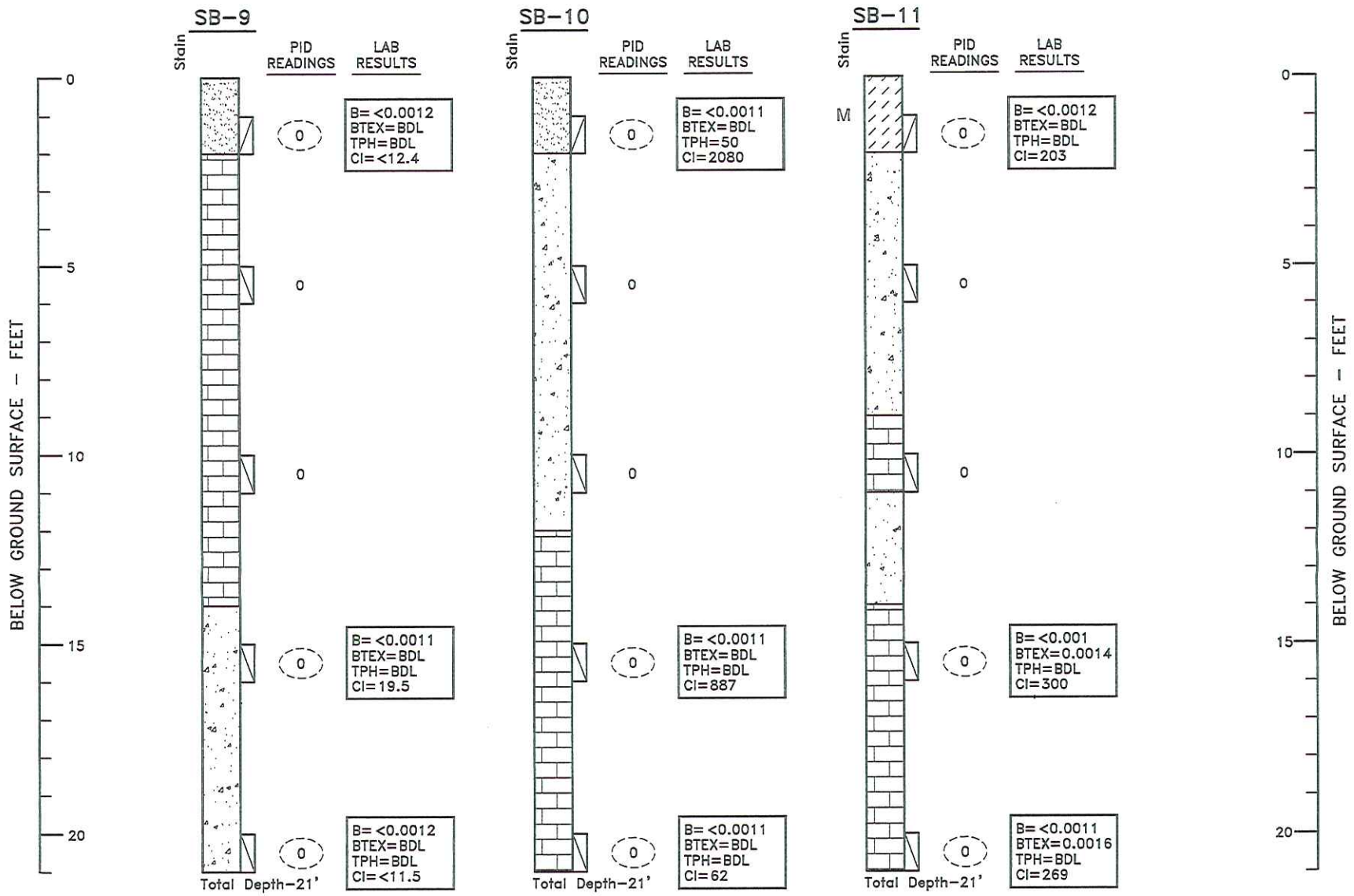


LOGS AND DETAILS FOR SOIL BORINGS SB-5 THROUGH SB-8

NEW MEXICO STATE "K" TANK BATTERY No. 3
LEA COUNTY, NEW MEXICO

JOB No. 041836

APPENDIX I



041836 SB Logs SLR 120705

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LOGS AND DETAILS FOR SOIL BORINGS SB-9 THROUGH SB-11

NEW MEXICO STATE "K" TANK BATTERY No. 3
LEA COUNTY, NEW MEXICO

JOB No. 041836

APPENDIX I