

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: I\_TCN\_S\_MT**

Sample ID: <b>MB-R54277</b>	SampType: <b>MBLK</b>	TestCode: <b>I_TCN_S_MT</b>	Units: <b>mg/kg</b>	Prep Date:	Run ID: <b>DR2010_040804A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R54277</b>	TestNo: <b>SW9014</b>		Analysis Date: <b>8/4/04</b>	SeqNo: <b>808594</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	< 0.01	0.01									

Sample ID: <b>LCS-R54277</b>	SampType: <b>LCS</b>	TestCode: <b>I_TCN_S_MT</b>	Units: <b>mg/kg</b>	Prep Date:	Run ID: <b>DR2010_040804A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R54277</b>	TestNo: <b>SW9014</b>		Analysis Date: <b>8/4/04</b>	SeqNo: <b>808595</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.23	0.01	0.2	0	115	85	115	0	0		

Sample ID: <b>LCSD</b>	SampType: <b>LCSD</b>	TestCode: <b>I_TCN_S_MT</b>	Units: <b>mg/kg</b>	Prep Date:	Run ID: <b>DR2010_040804A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R54277</b>	TestNo: <b>SW9014</b>		Analysis Date: <b>8/4/04</b>	SeqNo: <b>808596</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.23	0.01	0.2	0	115	85	115	0.23	0	10	

Sample ID: <b>04070635-043A MS</b>	SampType: <b>MS</b>	TestCode: <b>I_TCN_S_MT</b>	Units: <b>mg/kg-dry</b>	Prep Date:	Run ID: <b>DR2010_040804A</b>						
Client ID: <b>B516-3 (2-3')</b>	Batch ID: <b>R54277</b>	TestNo: <b>SW9014</b>		Analysis Date: <b>8/4/04</b>	SeqNo: <b>808967</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	63.4	3.14	31.4	41.6	69.4	80	120	0	0		S

Sample ID: <b>04070635-043A MSD</b>	SampType: <b>MSD</b>	TestCode: <b>I_TCN_S_MT</b>	Units: <b>mg/kg-dry</b>	Prep Date:	Run ID: <b>DR2010_040804A</b>						
Client ID: <b>B516-3 (2-3')</b>	Batch ID: <b>R54277</b>	TestNo: <b>SW9014</b>		Analysis Date: <b>8/4/04</b>	SeqNo: <b>808968</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	81.7	3.14	31.4	41.6	128	80	120	63.4	25.2	15	SR

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: I\_TS\_M\_MT**

Sample ID: <b>LCS-R53963</b>	SampType: <b>LCS</b>	TestCode: <b>I_TS_M_MT</b>	Units: %	Prep Date:	Run ID: <b>INORGANICS_040726C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R53963</b>	TestNo: <b>M2540 G</b>		Analysis Date: <b>7/26/04</b>	SeqNo: <b>802564</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	976	0.1	1000	0	97.6	90	110	0	0		

Sample ID: <b>LCS-R54018</b>	SampType: <b>LCS</b>	TestCode: <b>I_TS_M_MT</b>	Units: %	Prep Date:	Run ID: <b>INORGANICS_040727B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R54018</b>	TestNo: <b>M2540 G</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803578</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	983	0.1	1000	0	98.3	90	110	0	0		

Sample ID: <b>LCS DUP</b>	SampType: <b>LCSD</b>	TestCode: <b>I_TS_M_MT</b>	Units: %	Prep Date:	Run ID: <b>INORGANICS_040726C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R53963</b>	TestNo: <b>M2540 G</b>		Analysis Date: <b>7/26/04</b>	SeqNo: <b>802645</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	996	0.1	1000	0	99.6	90	110	976	2.03	15	

Sample ID: <b>LCS DUP</b>	SampType: <b>LCSD</b>	TestCode: <b>I_TS_M_MT</b>	Units: %	Prep Date:	Run ID: <b>INORGANICS_040727B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R54018</b>	TestNo: <b>M2540 G</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803628</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	985	0.1	1000	0	98.5	90	110	983	0.203	15	

Sample ID: <b>04070635-014ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>I_TS_M_MT</b>	Units: %	Prep Date:	Run ID: <b>INORGANICS_040726C</b>						
Client ID: <b>B508-28 (27-28')</b>	Batch ID: <b>R53963</b>	TestNo: <b>M2540 G</b>		Analysis Date: <b>7/26/04</b>	SeqNo: <b>802638</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	90.1	0.1	0	0	0	0	0	90	0.111	15	

Sample ID: <b>04070635-030ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>I_TS_M_MT</b>	Units: %	Prep Date:	Run ID: <b>INORGANICS_040727B</b>						
Client ID: <b>B509-8 (7-8')</b>	Batch ID: <b>R54018</b>	TestNo: <b>M2540 G</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803596</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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**Work Order:** 04070635  
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## ANALYTICAL QC SUMMARY REPORT

**TestCode: I\_TS\_M\_MT**

Sample ID: <b>04070635-030ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>I_TS_M_MT</b>	Units: %	Prep Date:	Run ID: <b>INORGANICS_040727B</b>						
Client ID: <b>B509-8 (7-8')</b>	Batch ID: <b>R54018</b>	TestNo: <b>M2540 G</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803596</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	76.3	0.1	0	0	0	0	0	77.8	1.95	15	

Sample ID: <b>04070635-051ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>I_TS_M_MT</b>	Units: %	Prep Date:	Run ID: <b>INORGANICS_040727B</b>						
Client ID: <b>B514-17 (16-17')</b>	Batch ID: <b>R54018</b>	TestNo: <b>M2540 G</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803618</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Solids	90.9	0.1	0	0	0	0	0	90.1	0.884	15	

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: L\_PH\_S\_M**

Sample ID: <b>LCS-R53932</b>	SampType: <b>LCS</b>	TestCode: <b>L_PH_S_M</b>	Units:	Prep Date:	Run ID: <b>PH METER - LOG IN_04</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R53932</b>	TestNo: <b>SW9045 C</b>		Analysis Date: <b>7/26/04</b>	SeqNo: <b>802805</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

pH (1:1)	7.04	1.00	7	0	101	99.1	100.9	0	0	
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Sample ID: <b>LCS-R54032</b>	SampType: <b>LCS</b>	TestCode: <b>L_PH_S_M</b>	Units:	Prep Date:	Run ID: <b>PH METER - LOG IN_04</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R54032</b>	TestNo: <b>SW9045 C</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803818</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

pH (1:1)	7.05	1.00	7	0	101	99.1	100.9	0	0	
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Sample ID: <b>04070635-022A DUP</b>	SampType: <b>DUP</b>	TestCode: <b>L_PH_S_M</b>	Units:	Prep Date:	Run ID: <b>PH METER - LOG IN_04</b>						
Client ID: <b>B556-28 (27-28')</b>	Batch ID: <b>R54032</b>	TestNo: <b>SW9045 C</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803829</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

pH (1:1)	8.25	1.00	0	0	0	0	0	8.15	1.22	10
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Sample ID: <b>04070635-043A DUP</b>	SampType: <b>DUP</b>	TestCode: <b>L_PH_S_M</b>	Units:	Prep Date:	Run ID: <b>PH METER - LOG IN_04</b>						
Client ID: <b>B516-3 (2-3')</b>	Batch ID: <b>R54032</b>	TestNo: <b>SW9045 C</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803839</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

pH (1:1)	7.5	1.00	0	0	0	0	0	7.53	0.399	10
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Sample ID: <b>04070635-017A DUP</b>	SampType: <b>DUP</b>	TestCode: <b>L_PH_S_M</b>	Units:	Prep Date:	Run ID: <b>PH METER - LOG IN_04</b>						
Client ID: <b>B557-12 (11-12')</b>	Batch ID: <b>R54032</b>	TestNo: <b>SW9045 C</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803844</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

pH (1:1)	7.89	1.00	0	0	0	0	0	7.8	1.15	10
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## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_HG\_SOLID**

Sample ID: <b>MB-21197</b>	SampType: <b>MBLK</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg</b>	Prep Date: <b>7/26/04</b>	Run ID: <b>CVAA_040727A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21197</b>	TestNo: <b>SW7471 A</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>802885</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.010	0.010	0.01	0	0	-100	100	0	0		

Sample ID: <b>MB-21289</b>	SampType: <b>MBLK</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>CVAA_040802A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21289</b>	TestNo: <b>SW7471 A</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806950</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.010	0.010	0.01	0	0	-100	100	0	0		

Sample ID: <b>LCS-21197</b>	SampType: <b>LCS</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg</b>	Prep Date: <b>7/26/04</b>	Run ID: <b>CVAA_040727A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21197</b>	TestNo: <b>SW7471 A</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>802884</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.276	0.010	0.25	0	110	85	115	0	0		

Sample ID: <b>LCS-21289</b>	SampType: <b>LCS</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>CVAA_040802A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21289</b>	TestNo: <b>SW7471 A</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806949</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.246	0.010	0.25	0	98.4	85	115	0	0		

Sample ID: <b>04070635-030AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/26/04</b>	Run ID: <b>CVAA_040727A</b>						
Client ID: <b>B509-8 (7-8')</b>	Batch ID: <b>21197</b>	TestNo: <b>SW7471 A</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>802910</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.372	0.013	0.31	0.028	111	75	125	0	0		

Sample ID: <b>04070635-042AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>CVAA_040802A</b>						
Client ID: <b>B506-28 (27-28')</b>	Batch ID: <b>21289</b>	TestNo: <b>SW7471 A</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806974</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_HG\_SOLID**

Sample ID: <b>04070635-042AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>CVAA_040802A</b>						
Client ID: <b>B506-28 (27-28')</b>	Batch ID: <b>21289</b>	TestNo: <b>SW7471 A</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806974</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.288	0.010	0.259	0.008	108	75	125	0	0		

Sample ID: <b>04070635-030AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/26/04</b>	Run ID: <b>CVAA_040727A</b>						
Client ID: <b>B509-8 (7-8')</b>	Batch ID: <b>21197</b>	TestNo: <b>SW7471 A</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>802911</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.369	0.013	0.31	0.028	110	75	125	0.371	0.694	15	

Sample ID: <b>04070635-042AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>M_HG_SOLID</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>CVAA_040802A</b>						
Client ID: <b>B506-28 (27-28')</b>	Batch ID: <b>21289</b>	TestNo: <b>SW7471 A</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806975</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.268	0.010	0.259	0.008	100	75	125	0.288	7.19	15	

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## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>MB-21219</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040728B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>7/28/04</b>	SeqNo: <b>803734</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 1.00	1.00	1	0	0	-100	100	0	0		
Lead	< 4.00	4.00	4	0	0	-100	100	0	0		

Sample ID: <b>MB-21219</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040729A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>7/29/04</b>	SeqNo: <b>805107</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	< 1.00	1.00	1	0	0	-100	100	0	0		
Lead	< 4.00	4.00	4	0	0	-100	100	0	0		

Sample ID: <b>MB-21219</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806911</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	< 0.20	0.20	0.2	0	0	-100	100	0	0		
Lead	< 4.00	4.00	4	0	0	-100	100	0	0		
Selenium	< 4.00	4.00	4	0	0	-100	100	0	0		

Sample ID: <b>MB-21275</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806914</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.50	0.50	0.5	0	0	-100	100	0	0		
Cadmium	< 0.20	0.20	0.2	0	0	-100	100	0	0		
Lead	< 4.00	4.00	4	0	0	-100	100	0	0		
Selenium	< 4.00	4.00	4	0	0	-100	100	0	0		
Silver	< 1.00	1.00	1	0	0	-100	100	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>MB-21275</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807218</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 2.50	2.50	2.5	0	0	-100	100	0	0		
Chromium	< 1.00	1.00	1	0	0	-100	100	0	0		
Lead	< 4.00	4.00	4	0	0	-100	100	0	0		

Sample ID: <b>MB-21219</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807262</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 2.50	2.50	2.5	0	0	-100	100	0	0		
Chromium	< 1.00	1.00	1	0	0	-100	100	0	0		

Sample ID: <b>MB-21219</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807646</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	< 1.00	1.00	1	0	0	-100	100	0	0		
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Sample ID: <b>MB-21275</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807661</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	< 1.00	1.00	1	0	0	-100	100	0	0		
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Sample ID: <b>MB-21276</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807674</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	< 1.00	1.00	1	0	0	-100	100	0	0		
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**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>MB-21219</b>		SampType: <b>MBLK</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/27/04</b>		Run ID: <b>ICP_040802E</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21219</b>		TestNo: <b>SW6010B</b>				Analysis Date: <b>8/2/04</b>		SeqNo: <b>807737</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.50	0.50	0.5	0	0	-100	100	0	0		
Cadmium	< 0.20	0.20	0.2	0	0	-100	100	0	0		
Lead	< 4.00	4.00	4	0	0	-100	100	0	0		
Selenium	< 4.00	4.00	4	0	0	-100	100	0	0		
Silver	< 1.00	1.00	1	0	0	-100	100	0	0		

Sample ID: <b>MB-21276</b>		SampType: <b>MBLK</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP_040802E</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21276</b>		TestNo: <b>SW6010B</b>				Analysis Date: <b>8/2/04</b>		SeqNo: <b>807753</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	< 0.50	0.50	0.5	0	0	-100	100	0	0		
Cadmium	< 0.20	0.20	0.2	0	0	-100	100	0	0		
Lead	< 4.00	4.00	4	0	0	-100	100	0	0		
Selenium	< 4.00	4.00	4	0	0	-100	100	0	0		
Silver	< 1.00	1.00	1	0	0	-100	100	0	0		

Sample ID: <b>MB-21276</b>		SampType: <b>MBLK</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP 2_040803A</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21276</b>		TestNo: <b>SW6010B</b>				Analysis Date: <b>8/3/04</b>		SeqNo: <b>808065</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2.50	2.50	2.5	0	0	-100	100	0	0		
Lead	< 4.00	4.00	4	0	0	-100	100	0	0		

Sample ID: <b>MB-21275</b>		SampType: <b>MBLK</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP 2_040803A</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21275</b>		TestNo: <b>SW6010B</b>				Analysis Date: <b>8/3/04</b>		SeqNo: <b>808093</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2.50	2.50	2.5	0	0	-100	100	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>MB-21219</b>	SampType: <b>MBLK</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040804A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/4/04</b>	SeqNo: <b>808847</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 2.50	2.50	2.5	0	0	-100	100	0	0		
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Sample ID: <b>LCS-21219</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040728B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>7/28/04</b>	SeqNo: <b>803735</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	20.5	1.00	20	0	103	85	115	0	0		
Lead	50.4	4.00	50	0	101	85	115	0	0		

Sample ID: <b>LCS-21219</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040729A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>7/29/04</b>	SeqNo: <b>805108</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	19.5	1.00	20	0	97.5	85	115	0	0		
Lead	52.2	4.00	50	0	104	85	115	0	0		

Sample ID: <b>LCS-21219</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806910</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	5.25	0.20	5	0	105	85	115	0	0		
Lead	53.6	4.00	50	0	107	85	115	0	0		
Selenium	214	4.00	200	0	107	85	115	0	0		

Sample ID: <b>LCS-21275</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806913</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Barium	208	0.50	200	0	104	85	115	0	0		
Cadmium	5.18	0.20	5	0	104	85	115	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>LCS-21275</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>806913</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	52	4.00	50	0	104	85	115	0	0		
Selenium	213	4.00	200	0	106	85	115	0	0		
Silver	5.12	1.00	5	0	102	85	115	0	0		

Sample ID: <b>LCS-21275</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807220</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	199	2.50	200	0	99.5	85	115	0	0		
Chromium	19.8	1.00	20	0	99	85	115	0	0		

Sample ID: <b>LCS-21275</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807243</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	47.6	4.00	50	0	95.2	85	115	0	0		
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Sample ID: <b>LCS-21219</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807263</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	189	2.50	200	0	94.5	85	115	0	0		
Chromium	20.2	1.00	20	0	101	85	115	0	0		

Sample ID: <b>LCS-21219</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807647</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	20	1.00	20	0	100	85	115	0	0		
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**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>LCS-21275</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807662</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	19.7	1.00	20	0	98.5	85	115	0	0		

Sample ID: <b>LCS-21276</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807675</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	18.7	1.00	20	0	93.5	85	115	0	0		

Sample ID: <b>LCS-21219</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP_040802E</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807736</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	217	0.50	200	0	108	85	115	0	0		
Cadmium	5.28	0.20	5	0	106	85	115	0	0		
Lead	53.1	4.00	50	0	106	85	115	0	0		
Selenium	210	4.00	200	0	105	85	115	0	0		
Silver	4.7	1.00	5	0	94	85	115	0	0		

Sample ID: <b>LCS-21276</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP_040802E</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807752</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	212	0.50	200	0	106	85	115	0	0		
Cadmium	5.21	0.20	5	0	104	85	115	0	0		
Lead	51.9	4.00	50	0	104	85	115	0	0		
Selenium	207	4.00	200	0	104	85	115	0	0		
Silver	4.95	1.00	5	0	99	85	115	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>LCS-21276</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040803A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/3/04</b>	SeqNo: <b>808066</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	194	2.50	200	0	97	85	115	0	0		
Lead	49.6	4.00	50	0	99.2	85	115	0	0		

Sample ID: <b>LCS-21275</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040803A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/3/04</b>	SeqNo: <b>808094</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	194	2.50	200	0	97	85	115	0	0		

Sample ID: <b>LCS-21219</b>	SampType: <b>LCS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040804A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/4/04</b>	SeqNo: <b>808848</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	211	2.50	200	0	106	85	115	0	0		

Sample ID: <b>04070635-008AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>B559-8D (7-8')</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807654</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	44.4	0.94	18.9	24.2	107	75	125	0	0		

Sample ID: <b>04070635-030AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>B509-8 (7-8')</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807673</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	35.3	0.98	19.6	16.8	94.4	75	125	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>04070635-031AMS</b>		SampType: <b>MS</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP 2_040802B</b>	
Client ID: <b>B509-8D (7-8')</b>		Batch ID: <b>21276</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807678</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	38.1	1.00	20	20	90.5	75	125	0	0		

Sample ID: <b>04070635-036AMS</b>		SampType: <b>MS</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP 2_040802B</b>	
Client ID: <b>B507-19 (18-19')</b>		Batch ID: <b>21276</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807684</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	18.8	0.94	18.9	2.49	86.3	75	125	0	0		

Sample ID: <b>04070635-030AMS</b>		SampType: <b>MS</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP_040802E</b>	
Client ID: <b>B509-8 (7-8')</b>		Batch ID: <b>21275</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807735</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	307	0.49	196	117	96.9	75	125	0	0		
Cadmium	5.32	0.20	4.9	0	109	75	125	0	0		
Lead	63.8	3.92	49	13.8	102	75	125	0	0		
Selenium	186	3.92	196	0	94.9	75	125	0	0		
Silver	4.54	0.98	4.9	0	92.7	75	125	0	0		

Sample ID: <b>04070635-008AMS</b>		SampType: <b>MS</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/27/04</b>		Run ID: <b>ICP_040802E</b>	
Client ID: <b>B559-8D (7-8')</b>		Batch ID: <b>21219</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807745</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	341	0.47	189	147	103	75	125	0	0		
Cadmium	5.36	0.19	4.72	0.44	104	75	125	0	0		
Lead	66.4	3.77	47.2	20.6	97	75	125	0	0		
Selenium	167	3.77	189	0	88.4	75	125	0	0		
Silver	4.23	0.94	4.72	0	89.6	75	125	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>04070635-031AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP_040802E</b>						
Client ID: <b>B509-8D (7-8')</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807758</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Barium	366	0.50	200	165	101	75	125	0	0		
Cadmium	5.49	0.20	5	0.33	103	75	125	0	0		
Lead	68.5	4.00	50	19.1	98.8	75	125	0	0		
Selenium	181	4.00	200	0	90.5	75	125	0	0		
Silver	5.65	1.00	5	0	113	75	125	0	0		

Sample ID: <b>04070635-036AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP_040802E</b>						
Client ID: <b>B507-19 (18-19')</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807762</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Barium	201	0.47	189	4.88	104	75	125	0	0		
Cadmium	4.76	0.19	4.72	0	101	75	125	0	0		
Lead	48.2	3.77	47.2	0	102	75	125	0	0		
Selenium	170	3.77	189	0	89.9	75	125	0	0		
Silver	4.51	0.94	4.72	0	95.6	75	125	0	0		

Sample ID: <b>04070635-031AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040803A</b>						
Client ID: <b>B509-8D (7-8')</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/3/04</b>	SeqNo: <b>808073</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	198	2.50	200	16.5	90.8	75	125	0	0		
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Sample ID: <b>04070635-036AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040803A</b>						
Client ID: <b>B507-19 (18-19')</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/3/04</b>	SeqNo: <b>808082</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	188	2.36	189	0	99.5	75	125	0	0		
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**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>04070635-030AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040803A</b>						
Client ID: <b>B509-8 (7-8')</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/3/04</b>	SeqNo: <b>808100</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	196	2.45	196	12.7	93.5	75	125	0	0		
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Sample ID: <b>04070635-008AMS</b>	SampType: <b>MS</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040804A</b>						
Client ID: <b>B559-8D (7-8')</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/4/04</b>	SeqNo: <b>808852</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	196	2.36	189	8.95	99	75	125	0	0		
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Sample ID: <b>04070635-008ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>B559-8D (7-8')</b>	Batch ID: <b>21219</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807653</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	23.9	0.94	0	0	0	0	0	24.2	1.25	15	
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Sample ID: <b>04070635-030ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>B509-8 (7-8')</b>	Batch ID: <b>21275</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807672</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	17.3	0.98	0	0	0	0	0	16.8	2.93	15	
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Sample ID: <b>04070635-031ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>B509-8D (7-8')</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807677</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chromium	20.2	1.00	0	0	0	0	0	20	0.995	15	
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Sample ID: <b>04070635-036ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>M_SOLIDS_ICP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>ICP 2_040802B</b>						
Client ID: <b>B507-19 (18-19')</b>	Batch ID: <b>21276</b>	TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807683</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>04070635-036ADUP</b>		SampType: <b>DUP</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP_2_040802B</b>	
Client ID: <b>B507-19 (18-19')</b>		Batch ID: <b>21276</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807683</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.75	0.94	0	0	0	0	0	2.49	9.93	15	

Sample ID: <b>04070635-030ADUP</b>		SampType: <b>DUP</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP_040802E</b>	
Client ID: <b>B509-8 (7-8')</b>		Batch ID: <b>21275</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807734</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	109	0.49	0	0	0	0	0	117	7.08	15	
Cadmium	0.11	0.20	0	0	0	0	0	0.1	0	15	J
Lead	14.4	3.92	0	0	0	0	0	13.8	4.26	15	
Selenium	< 3.92	3.92	0	0	0	0	0	0	0	15	
Silver	< 0.98	0.98	0	0	0	0	0	0	0	15	

Sample ID: <b>04070635-008ADUP</b>		SampType: <b>DUP</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/27/04</b>		Run ID: <b>ICP_040802E</b>	
Client ID: <b>B559-8D (7-8')</b>		Batch ID: <b>21219</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807744</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	151	0.47	0	0	0	0	0	147	2.69	15	
Cadmium	0.44	0.19	0	0	0	0	0	0.44	0	15	
Lead	20.4	3.77	0	0	0	0	0	20.6	0.976	15	
Selenium	< 3.77	3.77	0	0	0	0	0	0	0	15	
Silver	< 0.94	0.94	0	0	0	0	0	0	0	15	

Sample ID: <b>04070635-031ADUP</b>		SampType: <b>DUP</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP_040802E</b>	
Client ID: <b>B509-8D (7-8')</b>		Batch ID: <b>21276</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807755</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	165	0.50	0	0	0	0	0	165	0	15	
Cadmium	0.32	0.20	0	0	0	0	0	0.33	3.08	15	
Lead	18.7	4.00	0	0	0	0	0	19.1	2.11	15	
Selenium	< 4.00	4.00	0	0	0	0	0	0	0	15	
Silver	< 1.00	1.00	0	0	0	0	0	0	0	15	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: M\_SOLIDS\_ICP**

Sample ID: <b>04070635-036ADUP</b>		SampType: <b>DUP</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP_040802E</b>	
Client ID: <b>B507-19 (18-19')</b>		Batch ID: <b>21276</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807761</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	4.71	0.47	0	0	0	0	0	4.88	3.55	15	
Cadmium	< 0.19	0.19	0	0	0	0	0	0	0	15	
Lead	3.6	3.77	0	0	0	0	0	3.22	0	15	J
Selenium	< 3.77	3.77	0	0	0	0	0	0	0	15	
Silver	< 0.94	0.94	0	0	0	0	0	0	0	15	

Sample ID: <b>04070635-031ADUP</b>		SampType: <b>DUP</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP 2_040803A</b>	
Client ID: <b>B509-8D (7-8')</b>		Batch ID: <b>21276</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/3/04</b>		SeqNo: <b>808072</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	14.3	2.50	0	0	0	0	0	16.5	14.3	15	

Sample ID: <b>04070635-036ADUP</b>		SampType: <b>DUP</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP 2_040803A</b>	
Client ID: <b>B507-19 (18-19')</b>		Batch ID: <b>21276</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/3/04</b>		SeqNo: <b>808084</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 2.36	2.36	0	0	0	0	0	0	0	15	

Sample ID: <b>04070635-030ADUP</b>		SampType: <b>DUP</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>ICP 2_040803A</b>	
Client ID: <b>B509-8 (7-8')</b>		Batch ID: <b>21275</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/3/04</b>		SeqNo: <b>808099</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.6	2.45	0	0	0	0	0	12.7	9.04	15	

Sample ID: <b>04070635-008ADUP</b>		SampType: <b>DUP</b>		TestCode: <b>M_SOLIDS_ICP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/27/04</b>		Run ID: <b>ICP 2_040804A</b>	
Client ID: <b>B559-8D (7-8')</b>		Batch ID: <b>21219</b>		TestNo: <b>SW6010B</b>		Analysis Date: <b>8/4/04</b>		SeqNo: <b>808861</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	9.21	2.36	0	0	0	0	0	8.95	2.86	15	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8270S\_S**

Sample ID: <b>MB-21215</b>	SampType: <b>MBIk</b>	TestCode: <b>SV_8270S_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>5971 INST. B_040729A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21215</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>7/29/04</b>	SeqNo: <b>805078</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
2-Chlorophenol	ND	0.500									
Bis(2-chloroethyl)ether	ND	0.500									
Bis(2-ethylhexyl)phthalate	ND	0.350									
Butyl benzyl phthalate	ND	0.350									
Di-n-butyl phthalate	ND	0.350									
Di-n-octyl phthalate	ND	0.350									
Diethyl phthalate	ND	0.500									
Hexachlorocyclopentadiene	ND	0.350									
Isophorone	ND	0.350									
Nitrobenzene	ND	0.500									
Surr: 2,4,6-Tribromophenol	2.7	0	3.33	0	81.1	57.7	123	0	0		
Surr: 2-Fluorobiphenyl	1.31	0	1.67	0	78.4	44.3	113	0	0		
Surr: 2-Fluorophenol	2.33	0	3.33	0	70	50.2	94.8	0	0		
Surr: Nitrobenzene-d5	1.17	0	1.67	0	70.1	39.9	103	0	0		
Surr: p-Terphenyl-d14	1.46	0	1.67	0	87.4	67	118	0	0		
Surr: Phenol-d5	2.72	0	3.33	0	81.7	57.9	103	0	0		

Sample ID: <b>LCS-21215</b>	SampType: <b>LCS</b>	TestCode: <b>SV_8270S_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>5971 INST. B_040729A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21215</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>7/29/04</b>	SeqNo: <b>805073</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.36	0.500	1.67	0	81.4	51.1	92.8	0	0		
2-Chlorophenol	2.37	0.500	3.33	0	71.2	44	102	0	0		
Surr: 2,4,6-Tribromophenol	2.76	0	3.33	0	82.9	41.5	127	0	0		
Surr: 2-Fluorobiphenyl	1.4	0	1.67	0	83.8	25.8	121	0	0		
Surr: 2-Fluorophenol	2.44	0	3.33	0	73.3	26.8	110	0	0		
Surr: Nitrobenzene-d5	1.25	0	1.67	0	74.9	13.3	117	0	0		
Surr: p-Terphenyl-d14	1.49	0	1.67	0	89.2	48.9	134	0	0		
Surr: Phenol-d5	2.79	0	3.33	0	83.8	49.9	109	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8270S\_S**

Sample ID: <b>04070635-017AMS</b>	SampType: <b>MS</b>	TestCode: <b>SV_8270S_S</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>5971 INST. B_040730A</b>
Client ID: <b>B557-12 (11-12')</b>	Batch ID: <b>21215</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806499</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3.71	1.25	4.18	0	88.8	11.6	99.3	0	0		
2-Chlorophenol	6.36	1.25	8.33	0	76.4	26.7	106	0	0		
Surr: 2,4,6-Tribromophenol	6.8	0	8.33	0	81.6	31	123	0	0		
Surr: 2-Fluorobiphenyl	3.38	0	4.18	0	80.9	14.6	132	0	0		
Surr: 2-Fluorophenol	6.22	0	8.33	0	74.7	27	111	0	0		
Surr: Nitrobenzene-d5	3.18	0	4.18	0	76.1	28.9	113	0	0		
Surr: p-Terphenyl-d14	3.59	0	4.18	0	85.9	25	144	0	0		
Surr: Phenol-d5	7.13	0	8.33	0	85.6	33.7	123	0	0		

Sample ID: <b>04070635-017AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>SV_8270S_S</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/27/04</b>	Run ID: <b>5971 INST. B_040730A</b>
Client ID: <b>B557-12 (11-12')</b>	Batch ID: <b>21215</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806500</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3.58	1.20	4.01	0	89.3	11.6	99.3	3.71	3.57	40	
2-Chlorophenol	6.25	1.20	7.99	0	78.2	26.7	106	6.36	1.74	40	
Surr: 2,4,6-Tribromophenol	6.49	0	7.99	0	81.2	31	123	0	0	40	
Surr: 2-Fluorobiphenyl	3.05	0	4.01	0	76.1	14.6	132	0	0	40	
Surr: 2-Fluorophenol	5.96	0	7.99	0	74.6	27	111	0	0	40	
Surr: Nitrobenzene-d5	2.97	0	4.01	0	74.1	28.9	113	0	0	40	
Surr: p-Terphenyl-d14	3.35	0	4.01	0	83.5	25	144	0	0	40	
Surr: Phenol-d5	6.96	0	7.99	0	87.1	33.7	123	0	0	40	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8270S\_S\_SIMS**

Sample ID: <b>MB-21226</b>	SampType: <b>MBLK</b>	TestCode: <b>SV_8270S_S_SIM</b>	Units: <b>mg/Kg</b>	Prep Date: <b>7/28/04</b>	Run ID: <b>5972 INST. M_040728A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21226</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>7/28/04</b>	SeqNo: <b>804519</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.100									
Acenaphthylene	ND	0.100									
Anthracene	ND	0.100									
Benzo(a)anthracene	ND	0.100									
Benzo(a)pyrene	ND	0.100									
Benzo(b)fluoranthene	ND	0.100									
Benzo(g,h,i)perylene	ND	0.100									
Benzo(k)fluoranthene	ND	0.100									
Chrysene	ND	0.100									
Dibenzo(a,h)anthracene	ND	0.100									
Fluoranthene	ND	0.100									
Fluorene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	0.100									
Naphthalene	ND	0.100									
Phenanthrene	ND	0.100									
Pyrene	ND	0.100									
Surr: 2-Fluorobiphenyl	0.127	0	0.167	0	76	17.5	123	0	0		
Surr: Nitrobenzene-d5	0.096	0	0.167	0	57.5	35	105	0	0		
Surr: p-Terphenyl-d14	0.144	0	0.167	0	86.2	53.6	122	0	0		

Sample ID: <b>MB-21238</b>	SampType: <b>MBLK</b>	TestCode: <b>SV_8270S_S_SIM</b>	Units: <b>mg/Kg</b>	Prep Date: <b>7/28/04</b>	Run ID: <b>5972 INST. M_040729B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21238</b>	TestNo: <b>SW8270C</b>		Analysis Date: <b>7/29/04</b>	SeqNo: <b>805253</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.100									
Acenaphthylene	ND	0.100									
Anthracene	ND	0.100									
Benzo(a)anthracene	ND	0.100									
Benzo(a)pyrene	ND	0.100									
Benzo(b)fluoranthene	ND	0.100									
Benzo(g,h,i)perylene	ND	0.100									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8270S\_S\_SIMS**

Sample ID: <b>MB-21238</b>		SampType: <b>MBLK</b>		TestCode: <b>SV_8270S_S_SIM</b> Units: <b>mg/Kg</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040729B</b>			
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21238</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/29/04</b>		SeqNo: <b>805253</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	ND	0.100									
Chrysene	ND	0.100									
Dibenzo(a,h)anthracene	ND	0.100									
Fluoranthene	ND	0.100									
Fluorene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	0.100									
Naphthalene	0.015	0.100									J
Phenanthrene	ND	0.100									
Pyrene	ND	0.100									
Surr: 2-Fluorobiphenyl	0.115	0	0.167	0	68.9	17.5	123	0	0		
Surr: Nitrobenzene-d5	0.094	0	0.167	0	56.3	35	105	0	0		
Surr: p-Terphenyl-d14	0.131	0	0.167	0	78.4	53.6	122	0	0		

Sample ID: <b>LCS-21226</b>		SampType: <b>LCS</b>		TestCode: <b>SV_8270S_S_SIM</b> Units: <b>mg/Kg</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040728A</b>			
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21226</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/28/04</b>		SeqNo: <b>804520</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.114	0.100	0.167	0	68.3	56.3	115	0	0		
Acenaphthylene	0.137	0.100	0.167	0	82	60.3	143	0	0		
Anthracene	0.132	0.100	0.167	0	79	52.1	109	0	0		
Benzo(a)anthracene	0.13	0.100	0.167	0	77.8	52.8	112	0	0		
Benzo(a)pyrene	0.153	0.100	0.167	0	91.6	40.8	127	0	0		
Benzo(b)fluoranthene	0.166	0.100	0.167	0	99.4	50.1	150	0	0		
Benzo(g,h,i)perylene	0.152	0.100	0.167	0	91	52.8	145	0	0		
Benzo(k)fluoranthene	0.148	0.100	0.167	0	88.6	52	153	0	0		
Chrysene	0.154	0.100	0.167	0	92.2	60.8	128	0	0		
Dibenzo(a,h)anthracene	0.165	0.100	0.167	0	98.8	54.9	150	0	0		
Fluoranthene	0.147	0.100	0.167	0	88	58.7	125	0	0		
Fluorene	0.136	0.100	0.167	0	81.4	57.8	125	0	0		
Indeno(1,2,3-cd)pyrene	0.144	0.100	0.167	0	86.2	52	147	0	0		
Naphthalene	0.126	0.100	0.167	0	75.4	54.8	113	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8270S\_S\_SIMS**

Sample ID: <b>LCS-21226</b>		SampType: <b>LCS</b>		TestCode: <b>SV_8270S_S_SIM</b> Units: <b>mg/Kg</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040728A</b>			
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21226</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/28/04</b>		SeqNo: <b>804520</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	0.132	0.100	0.167	0	79	60.4	121	0	0		
Pyrene	0.148	0.100	0.167	0	88.6	57.9	129	0	0		
Surr: 2-Fluorobiphenyl	0.121	0	0.167	0	72.5	35.3	113	0	0		
Surr: Nitrobenzene-d5	0.125	0	0.167	0	74.9	33.9	108	0	0		
Surr: p-Terphenyl-d14	0.142	0	0.167	0	85	58.4	122	0	0		

Sample ID: <b>LCS-21238</b>		SampType: <b>LCS</b>		TestCode: <b>SV_8270S_S_SIM</b> Units: <b>mg/Kg</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040729B</b>			
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21238</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/29/04</b>		SeqNo: <b>805254</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.117	0.100	0.167	0	70.1	56.3	115	0	0		
Acenaphthylene	0.137	0.100	0.167	0	82	60.3	143	0	0		
Anthracene	0.127	0.100	0.167	0	76	52.1	109	0	0		
Benzo(a)anthracene	0.123	0.100	0.167	0	73.7	52.8	112	0	0		
Benzo(a)pyrene	0.143	0.100	0.167	0	85.6	40.8	127	0	0		
Benzo(b)fluoranthene	0.154	0.100	0.167	0	92.2	50.1	150	0	0		
Benzo(g,h,i)perylene	0.162	0.100	0.167	0	97	52.8	145	0	0		
Benzo(k)fluoranthene	0.137	0.100	0.167	0	82	52	153	0	0		
Chrysene	0.147	0.100	0.167	0	88	60.8	128	0	0		
Dibenzo(a,h)anthracene	0.17	0.100	0.167	0	102	54.9	150	0	0		
Fluoranthene	0.142	0.100	0.167	0	85	58.7	125	0	0		
Fluorene	0.132	0.100	0.167	0	79	57.8	125	0	0		
Indeno(1,2,3-cd)pyrene	0.149	0.100	0.167	0	89.2	52	147	0	0		
Naphthalene	0.126	0.100	0.167	0.015	66.5	54.8	113	0	0		
Phenanthrene	0.124	0.100	0.167	0	74.3	60.4	121	0	0		
Pyrene	0.14	0.100	0.167	0	83.8	57.9	129	0	0		
Surr: 2-Fluorobiphenyl	0.115	0	0.167	0	68.9	35.3	113	0	0		
Surr: Nitrobenzene-d5	0.124	0	0.167	0	74.3	33.9	108	0	0		
Surr: p-Terphenyl-d14	0.134	0	0.167	0	80.2	58.4	122	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8270S\_S\_SIMS**

Sample ID: <b>04070635-029AMS</b>		SampType: <b>MS</b>		TestCode: <b>SV_8270S_S_SIM</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040729C</b>	
Client ID: <b>B509-3 (2-3')</b>		Batch ID: <b>21238</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>805344</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.36	1.16	0.389	0	350	36	135	0	0		S
Acenaphthylene	2.03	1.16	0.389	1.18	219	17.2	167	0	0		S
Anthracene	4.85	1.16	0.389	0.334	1160	39.3	124	0	0		S
Benzo(a)anthracene	8.43	1.16	0.389	1.47	1790	10	183	0	0		S
Benzo(a)pyrene	12.9	1.16	0.389	3.31	2470	10	204	0	0		S
Benzo(b)fluoranthene	13.8	1.16	0.389	3.46	2660	10.6	178	0	0		S
Benzo(g,h,i)perylene	3.34	1.16	0.389	1.65	434	10	168	0	0		S
Benzo(k)fluoranthene	4.76	1.16	0.389	1.03	959	27.6	181	0	0		S
Chrysene	9.87	1.16	0.389	2.02	2020	10	176	0	0		S
Dibenzo(a,h)anthracene	1.1	1.16	0.389	0.413	189	12.2	156	0	0		JS
Fluoranthene	29.5	1.16	0.389	2.03	7060	10	227	0	0		SE
Fluorene	2	1.16	0.389	0.122	483	35.2	148	0	0		S
Indeno(1,2,3-cd)pyrene	3.39	1.16	0.389	1.4	512	10	164	0	0		S
Naphthalene	0.6	1.16	0.389	0.291	79.9	14.7	128	0	0		J
Phenanthrene	21.2	1.16	0.389	0.818	5240	32.8	143	0	0		SE
Pyrene	25.3	1.16	0.389	3.12	5700	10	180	0	0		SE
Surr: 2-Fluorobiphenyl	0.245	0	0.389	0	63	10	104	0	0		
Surr: Nitrobenzene-d5	0.303	0	0.389	0	77.9	29.8	103	0	0		
Surr: p-Terphenyl-d14	0.291	0	0.389	0	74.8	41.9	125	0	0		

Sample ID: <b>04070635-002AMS</b>		SampType: <b>MS</b>		TestCode: <b>SV_8270S_S_SIM</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040730B</b>	
Client ID: <b>B558-7 (6-7')</b>		Batch ID: <b>21226</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>806318</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	8.95	1.29	0.216	8.14	375	36	135	0	0		S
Acenaphthylene	2.52	1.29	0.216	2.41	50.9	17.2	167	0	0		
Anthracene	7.45	1.29	0.216	6.82	292	39.3	124	0	0		S
Benzo(a)anthracene	3.48	1.29	0.216	3.21	125	10	183	0	0		
Benzo(a)pyrene	3.92	1.29	0.216	3.49	199	10	204	0	0		
Benzo(b)fluoranthene	3.08	1.29	0.216	2.76	148	10.6	178	0	0		
Benzo(g,h,i)perylene	1	1.29	0.216	0.926	48.1	10	168	0	0		J

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8270S\_S\_SIMS**

Sample ID: <b>04070635-002AMS</b>		SampType: <b>MS</b>		TestCode: <b>SV_8270S_S_SIM</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040730B</b>	
Client ID: <b>B558-7 (6-7')</b>		Batch ID: <b>21226</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>806318</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	1.1	1.29	0.216	0.82	111	27.6	181	0	0		J
Chrysene	3.53	1.29	0.216	3.14	181	10	176	0	0		S
Dibenzo(a,h)anthracene	0.39	1.29	0.216	0.361	12.5	12.2	156	0	0		J
Fluoranthene	7.9	1.29	0.216	7.34	259	10	227	0	0		S
Fluorene	7.54	1.29	0.216	8.87	-616	35.2	148	0	0		S
Indeno(1,2,3-cd)pyrene	0.99	1.29	0.216	0.858	59.7	10	164	0	0		J
Naphthalene	0.2	1.29	0.216	0	94	14.7	128	0	0		J
Pyrene	12.4	1.29	0.216	11.5	417	10	180	0	0		S
Surr: 2-Fluorobiphenyl	0.147	0	0.216	0	68.1	10	104	0	0		
Surr: Nitrobenzene-d5	0.16	0	0.216	0	74.1	29.8	103	0	0		
Surr: p-Terphenyl-d14	0.147	0	0.216	0	68.1	41.9	125	0	0		

Sample ID: <b>04070635-002AMS</b>		SampType: <b>MS</b>		TestCode: <b>SV_8270S_S_SIM</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040802A</b>	
Client ID: <b>B558-7 (6-7')</b>		Batch ID: <b>21226</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807269</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	19.9	3.23	0.216	21.6	-787	32.8	143	0	0		S

Sample ID: <b>04070635-029AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>SV_8270S_S_SIM</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040729C</b>	
Client ID: <b>B509-3 (2-3')</b>		Batch ID: <b>21238</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>805345</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.28	1.19	0.396	0	70.7	36	135	1.36	0	49.7	J
Acenaphthylene	1.62	1.19	0.396	1.18	111	17.2	167	2.03	22.4	33.3	
Anthracene	0.62	1.19	0.396	0.334	73.2	39.3	124	4.85	0	51.1	J
Benzo(a)anthracene	1.91	1.19	0.396	1.47	111	10	183	8.43	126	40.6	R
Benzo(a)pyrene	5.05	1.19	0.396	3.31	439	10	204	12.9	87.5	56.4	SR
Benzo(b)fluoranthene	4.65	1.19	0.396	3.46	301	10.6	178	13.8	99.2	49.7	SR
Benzo(g,h,i)perylene	2.26	1.19	0.396	1.65	154	10	168	3.34	38.6	36.5	R
Benzo(k)fluoranthene	1.78	1.19	0.396	1.03	189	27.6	181	4.76	91.2	42.6	SR
Chrysene	2.41	1.19	0.396	2.02	98.5	10	176	9.87	121	45.1	R

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8270S\_S\_SIMS**

Sample ID: <b>04070635-029AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>SV_8270S_S_SIM</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040729C</b>		
Client ID: <b>B509-3 (2-3')</b>		Batch ID: <b>21238</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>805345</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Dibenzo(a,h)anthracene	0.95	1.19	0.396	0.413	135	12.2	156	1.15	0	39.9	J	
Fluoranthene	2.32	1.19	0.396	2.03	73.2	10	227	29.5	171	66.2	R	
Fluorene	0.41	1.19	0.396	0.122	72	35.2	148	2	0	65.6	J	
Indeno(1,2,3-cd)pyrene	2	1.19	0.396	1.4	152	10	164	3.39	51.6	36.5	R	
Naphthalene	0.42	1.19	0.396	0.291	33.3	14.7	128	0.602	0	39.6	J	
Phenanthrene	1	1.19	0.396	0.818	48.5	32.8	143	21.2	0	35.4	J	
Pyrene	3.65	1.19	0.396	3.12	134	10	180	25.3	150	60.1	R	
Surr: 2-Fluorobiphenyl	0.253	0	0.396	0	63.9	10	104	0	0	40		
Surr: Nitrobenzene-d5	0.296	0	0.396	0	74.7	29.8	103	0	0	40		
Surr: p-Terphenyl-d14	0.284	0	0.396	0	71.7	41.9	125	0	0	40		

Sample ID: <b>04070635-002AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>SV_8270S_S_SIM</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040730B</b>		
Client ID: <b>B558-7 (6-7')</b>		Batch ID: <b>21226</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>806319</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Acenaphthene	10.1	1.29	0.215	8.14	912	36	135	8.95	12.1	49.7	S	
Acenaphthylene	2.77	1.29	0.215	2.41	167	17.2	167	2.52	9.44	33.3	S	
Anthracene	8.66	1.29	0.215	6.82	856	39.3	124	7.45	15.0	51.1	S	
Benzo(a)anthracene	4.26	1.29	0.215	3.21	488	10	183	3.48	20.2	40.6	S	
Benzo(a)pyrene	4.56	1.29	0.215	3.49	498	10	204	3.92	15.1	56.4	S	
Benzo(b)fluoranthene	3.5	1.29	0.215	2.76	344	10.6	178	3.08	12.8	49.7	S	
Benzo(g,h,i)perylene	1.2	1.29	0.215	0.926	113	10	168	1.03	0	36.5	J	
Benzo(k)fluoranthene	1.1	1.29	0.215	0.82	135	27.6	181	1.06	0	42.6	J	
Chrysene	3.79	1.29	0.215	3.14	302	10	176	3.53	7.10	45.1	S	
Dibenzo(a,h)anthracene	0.43	1.29	0.215	0.361	30.2	12.2	156	0.388	0	39.9	J	
Fluoranthene	9.28	1.29	0.215	7.34	902	10	227	7.9	16.1	66.2	S	
Fluorene	6.58	1.29	0.215	8.87	-1070	35.2	148	7.54	13.6	65.6	S	
Indeno(1,2,3-cd)pyrene	1.1	1.29	0.215	0.858	122	10	164	0.987	0	36.5	J	
Naphthalene	0.21	1.29	0.215	0	98.1	14.7	128	0.203	0	39.6	J	
Pyrene	14.6	1.29	0.215	11.5	1440	10	180	12.4	16.3	60.1	S	
Surr: 2-Fluorobiphenyl	0.151	0	0.215	0	70.2	10	104	0	0	40		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8270S\_S\_SIMS**

Sample ID: <b>04070635-002AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>SV_8270S_S_SIM</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040730B</b>	
Client ID: <b>B558-7 (6-7)</b>		Batch ID: <b>21226</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>806319</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.155	0	0.215	0	72.1	29.8	103	0	0	40	
Surr: p-Terphenyl-d14	0.146	0	0.215	0	67.9	41.9	125	0	0	40	

Sample ID: <b>04070635-002AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>SV_8270S_S_SIM</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>7/28/04</b>		Run ID: <b>5972 INST. M_040802A</b>	
Client ID: <b>B558-7 (6-7)</b>		Batch ID: <b>21226</b>		TestNo: <b>SW8270C</b>		Analysis Date: <b>8/2/04</b>		SeqNo: <b>807270</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	23.1	3.23	0.215	21.6	698	32.8	143	19.9	14.9	35.4	S

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_ALC\_S**

Sample ID: <b>MB-072904</b>	SampType: <b>MBLK</b>	TestCode: <b>SV_ALC_S</b>	Units: <b>mg/Kg</b>	Prep Date:	Run ID: <b>GC INST. L_040730A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R54192</b>	TestNo: <b>SW8015M</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806754</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

n-Butanol	ND	10									
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Sample ID: <b>LCS-072904</b>	SampType: <b>LCS</b>	TestCode: <b>SV_ALC_S</b>	Units: <b>mg/Kg</b>	Prep Date:	Run ID: <b>GC INST. L_040730A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>R54192</b>	TestNo: <b>SW8015M</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806754</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

n-Butanol	57	10	50	0	114	50	150	0	0		
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Sample ID: <b>04070635-022AMS</b>	SampType: <b>MS</b>	TestCode: <b>SV_ALC_S</b>	Units: <b>mg/Kg-dry</b>	Prep Date:	Run ID: <b>GC INST. L_040730A</b>						
Client ID: <b>B556-28 (27-28')</b>	Batch ID: <b>R54192</b>	TestNo: <b>SW8015M</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806763</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

n-Butanol	46	11	55	0	83.6	50	150	0	0		
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Sample ID: <b>04070635-022AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>SV_ALC_S</b>	Units: <b>mg/Kg-dry</b>	Prep Date:	Run ID: <b>GC INST. L_040730A</b>						
Client ID: <b>B556-28 (27-28')</b>	Batch ID: <b>R54192</b>	TestNo: <b>SW8015M</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806762</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

n-Butanol	48	11	55	0	87.3	50	150	46	4.27	25	
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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_OA2\_S**

Sample ID: <b>MB-21196</b>	SampType: <b>MBLK</b>	TestCode: <b>SV_OA2_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>7/26/04</b>	Run ID: <b>8015 INST. D_040726A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21196</b>	TestNo: <b>SW8015M/OA2</b>		Analysis Date: <b>7/26/04</b>	SeqNo: <b>802798</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	5.00									
Kerosene	ND	5.00									
Mineral Spirits	ND	5.00									
Motor Oil	ND	5.00									
Surr: n-Tetracontane	0.67	0	0.67	0	100	59.5	122	0	0		

Sample ID: <b>LCS-21196</b>	SampType: <b>LCS</b>	TestCode: <b>SV_OA2_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>7/26/04</b>	Run ID: <b>8015 INST. D_040726A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21196</b>	TestNo: <b>SW8015M/OA2</b>		Analysis Date: <b>7/26/04</b>	SeqNo: <b>802799</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	9.84	5.00	16.7	0	58.9	45.8	131	0	0		
Surr: n-Tetracontane	0.65	0	0.67	0	97	58	130	0	0		

Sample ID: <b>04070635-017AMS</b>	SampType: <b>MS</b>	TestCode: <b>SV_OA2_S</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/26/04</b>	Run ID: <b>8015 INST. D_040728A</b>						
Client ID: <b>B557-12 (11-12')</b>	Batch ID: <b>21196</b>	TestNo: <b>SW8015M/OA2</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803260</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	575 #	62.2	20.8	467	519	20.3	167	0	0		S
Surr: n-Tetracontane	0.46	0	0.83	0	55.4	53.9	153	0	0		

Sample ID: <b>04070635-017AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>SV_OA2_S</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>7/26/04</b>	Run ID: <b>8015 INST. D_040728A</b>						
Client ID: <b>B557-12 (11-12')</b>	Batch ID: <b>21196</b>	TestNo: <b>SW8015M/OA2</b>		Analysis Date: <b>7/27/04</b>	SeqNo: <b>803261</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	724 #	61.9	20.7	467	1240	20.3	167	575	22.9	34	S
Surr: n-Tetracontane	0.57	0	0.83	0	68.7	53.9	153	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_8260S\_S**

Sample ID: <b>MBLK-F040731-1</b>	SampType: <b>MBLK</b>	TestCode: <b>V_8260S_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/31/04</b>	Run ID: <b>5972 INST. F_040731B</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21288</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/31/04</b>	SeqNo: <b>806243</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
Acetone	20	50.0									J
Benzene	ND	1.0									
Bromochloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	10									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroform	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	4.0									
Dibromochloromethane	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylenes	ND	5.0									
Methyl tert-butyl ether	ND	2.0									
Methylene chloride	1.9	5.0									J
o-Xylene	ND	5.0									
Styrene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	4.0									
Trichloroethene	ND	5.0									

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_8260S\_S**

Sample ID: <b>MBLK-F040731-1</b>	SampType: <b>MBLK</b>	TestCode: <b>V_8260S_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/31/04</b>	Run ID: <b>5972 INST. F_040731B</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21288</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/31/04</b>	SeqNo: <b>806243</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl acetate	ND	50.0									
Vinyl chloride	ND	2.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	52.4	0	50	0	105	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	47.8	0	50	0	95.6	75.6	120	0	0		
Surr: Dibromofluoromethane	51.8	0	50	0	104	74.1	121	0	0		
Surr: Toluene-d8	50.2	0	50	0	100	82.8	112.8	0	0		

Sample ID: <b>MBLK-F040801-1</b>	SampType: <b>MBLK</b>	TestCode: <b>V_8260S_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>5972 INST. F_040801B</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21301</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/1/04</b>	SeqNo: <b>806487</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	ND	5.0									
m,p-Xylenes	ND	5.0									
o-Xylene	ND	5.0									
Xylenes, Total	1	5.0									J
Surr: 1,2-Dichloroethane-d4	49	0	50	0	98	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	49.6	0	50	0	99.2	75.6	120	0	0		
Surr: Dibromofluoromethane	50.2	0	50	0	100	74.1	121	0	0		
Surr: Toluene-d8	50.1	0	50	0	100	82.8	112.8	0	0		

Sample ID: <b>LCS-F040731-1</b>	SampType: <b>LCS</b>	TestCode: <b>V_8260S_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/31/04</b>	Run ID: <b>5972 INST. F_040731B</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21288</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/31/04</b>	SeqNo: <b>806242</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48.1	5.0	50	0	96.2	81.8	129	0	0		
1,1-Dichloroethene	55.3	5.0	50	0	111	68.6	145	0	0		
1,2-Dibromoethane	51.6	5.0	50	0	103	70	130	0	0		
1,2-Dichloroethane	49.6	5.0	50	0	99.2	83.5	127	0	0		
Benzene	51.9	1.0	50	0	104	84.2	125	0	0		
Carbon tetrachloride	47.3	5.0	50	0	94.6	77.8	130	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_8260S\_S**

Sample ID: <b>LCS-F040731-1</b>	SampType: <b>LCS</b>	TestCode: <b>V_8260S_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/31/04</b>	Run ID: <b>5972 INST. F_040731B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21288</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/31/04</b>	SeqNo: <b>806242</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	50.4	5.0	50	0	101	86.1	127	0	0		
Chloroform	52.2	5.0	50	0	104	83.4	126	0	0		
Dibromochloromethane	51.6	5.0	50	0	103	80.7	131	0	0		
Ethylbenzene	51	5.0	50	0	102	84.7	127	0	0		
m,p-Xylenes	50.4	5.0	50	0	101	83.3	131	0	0		
Methyl tert-butyl ether	50.1	2.0	50	0	100	70	130	0	0		
Methylene chloride	60.2	5.0	50	1.9	117	67.5	135	0	0		
o-Xylene	50	5.0	50	0	100	85.5	129	0	0		
Tetrachloroethene	47.1	5.0	50	0	94.2	74	129	0	0		
Toluene	51.5	5.0	50	0	103	84	126	0	0		
Trichloroethene	50.4	5.0	50	0	101	82.3	127	0	0		
Xylenes, Total	100	5.0	100	0	100	83.3	131	0	0		
Surr: 1,2-Dichloroethane-d4	51.3	0	50	0	103	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	47.6	0	50	0	95.2	75.6	120	0	0		
Surr: Dibromofluoromethane	51.7	0	50	0	103	74.1	121	0	0		
Surr: Toluene-d8	49.9	0	50	0	99.8	82.8	112.8	0	0		

Sample ID: <b>LCS-F040801-1</b>	SampType: <b>LCS</b>	TestCode: <b>V_8260S_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>5972 INST. F_040801B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21301</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/1/04</b>	SeqNo: <b>806485</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	50.1	5.0	50	0	100	84.7	127	0	0		
m,p-Xylenes	50	5.0	50	0	100	83.3	131	0	0		
o-Xylene	49.7	5.0	50	0	99.4	85.5	129	0	0		
Xylenes, Total	99.7	5.0	100	1	98.7	83.3	131	0	0		
Surr: 1,2-Dichloroethane-d4	47.9	0	50	0	95.8	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	49.4	0	50	0	98.8	75.6	120	0	0		
Surr: Dibromofluoromethane	50.2	0	50	0	100	74.1	121	0	0		
Surr: Toluene-d8	50.1	0	50	0	100	82.8	112.8	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_8260S\_S**

Sample ID: <b>LCSD-F040731-1</b>	SampType: <b>LCSD</b>	TestCode: <b>V_8260S_S</b>	Units: <b>µg/Kg</b>		Prep Date: <b>7/31/04</b>	Run ID: <b>5972 INST. F_040731B</b>					
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21288</b>	TestNo: <b>SW8260B</b>			Analysis Date: <b>8/1/04</b>	SeqNo: <b>806244</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	45.4	5.0	50	0	90.8	81.8	129	48.1	5.77	15	
1,1-Dichloroethene	51.3	5.0	50	0	103	68.6	145	55.3	7.50	15	
1,2-Dibromoethane	48.2	5.0	50	0	96.4	70	130	51.6	6.81	15	
1,2-Dichloroethane	46.9	5.0	50	0	93.8	83.5	127	49.6	5.60	15	
Benzene	49.4	1.0	50	0	98.8	84.2	125	51.9	4.93	15	
Carbon tetrachloride	44.1	5.0	50	0	88.2	77.8	130	47.3	7.00	15	
Chlorobenzene	47	5.0	50	0	94	86.1	127	50.4	6.98	15	
Chloroform	49.7	5.0	50	0	99.4	83.4	126	52.2	4.91	15	
Dibromochloromethane	49.4	5.0	50	0	98.8	80.7	131	51.6	4.36	15	
Ethylbenzene	47.8	5.0	50	0	95.6	84.7	127	51	6.48	15	
m,p-Xylenes	47.6	5.0	50	0	95.2	83.3	131	50.4	5.71	15	
Methyl tert-butyl ether	46.6	2.0	50	0	93.2	70	130	50.1	7.24	15	
Methylene chloride	59.5	5.0	50	1.9	115	67.5	135	60.2	1.17	15	
o-Xylene	46.7	5.0	50	0	93.4	85.5	129	50	6.83	15	
Tetrachloroethene	43	5.0	50	0	86	74	129	47.1	9.10	15	
Toluene	48.3	5.0	50	0	96.6	84	126	51.5	6.41	15	
Trichloroethene	47.2	5.0	50	0	94.4	82.3	127	50.4	6.55	15	
Xylenes, Total	94.3	5.0	100	0	94.3	83.3	131	100	5.87	15	
Surr: 1,2-Dichloroethane-d4	52.3	0	50	0	105	72.8	122	0	0	0	
Surr: 4-Bromofluorobenzene	46.8	0	50	0	93.6	75.6	120	0	0	0	
Surr: Dibromofluoromethane	52.3	0	50	0	105	74.1	121	0	0	0	
Surr: Toluene-d8	50	0	50	0	100	82.8	112.8	0	0	0	

Sample ID: <b>LCSD-F040801-1</b>	SampType: <b>LCSD</b>	TestCode: <b>V_8260S_S</b>	Units: <b>µg/Kg</b>		Prep Date: <b>8/1/04</b>	Run ID: <b>5972 INST. F_040801B</b>					
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21301</b>	TestNo: <b>SW8260B</b>			Analysis Date: <b>8/1/04</b>	SeqNo: <b>806486</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	49.7	5.0	50	0	99.4	84.7	127	50.1	0.802	15	
m,p-Xylenes	49.4	5.0	50	0	98.8	83.3	131	50	1.21	15	
o-Xylene	49.3	5.0	50	0	98.6	85.5	129	49.7	0.808	15	
Xylenes, Total	98.7	5.0	100	1	97.7	83.3	131	99.7	1.01	15	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** V\_8260S\_S

Sample ID: <b>LCSD-F040801-1</b>	SampType: <b>LCSD</b>	TestCode: <b>V_8260S_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>5972 INST. F_040801B</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21301</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/1/04</b>	SeqNo: <b>806486</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	47.8	0	50	0	95.6	72.8	122	0	0	0	
Surr: 4-Bromofluorobenzene	49.4	0	50	0	98.8	75.6	120	0	0	0	
Surr: Dibromofluoromethane	50.4	0	50	0	101	74.1	121	0	0	0	
Surr: Toluene-d8	50.1	0	50	0	100	82.8	112.8	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_S**

Sample ID: <b>LCS-F040729-2</b>		SampType: <b>LCS1</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>7/29/04</b>		Run ID: <b>5972 INST. F_040729C</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21279</b>		TestNo: <b>SW8260B</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>805578</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.7	1.0	50	0	99.4	84.2	125	0	0		
Toluene	47.6	5.0	50	0	95.2	84	126	0	0		
Ethylbenzene	46.6	5.0	50	0	93.2	84.7	127	0	0		
Xylenes, Total	91.7	5.0	100	1.1	90.6	83.3	131	0	0		
Surr: 1,2-Dichloroethane-d4	51.2	0	50	0	102	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	48.1	0	50	0	96.2	75.6	120	0	0		
Surr: Dibromofluoromethane	51	0	50	0	102	74.1	121	0	0		
Surr: Toluene-d8	49.9	0	50	0	99.8	82.8	112.8	0	0		

Sample ID: <b>LCS-D-F040729-2</b>		SampType: <b>LCS1</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>7/29/04</b>		Run ID: <b>5972 INST. F_040729C</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21279</b>		TestNo: <b>SW8260B</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>805579</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51.3	1.0	50	0	103	84.2	125	49.7	3.17	0	
Toluene	48.4	5.0	50	0	96.8	84	126	47.6	1.67	0	
Ethylbenzene	48.2	5.0	50	0	96.4	84.7	127	46.6	3.38	0	
Xylenes, Total	94.2	5.0	100	1.1	93.1	83.3	131	91.7	2.69	0	
Surr: 1,2-Dichloroethane-d4	50.5	0	50	0	101	72.8	122	0	0	0	
Surr: 4-Bromofluorobenzene	48.6	0	50	0	97.2	75.6	120	0	0	0	
Surr: Dibromofluoromethane	50.6	0	50	0	101	74.1	121	0	0	0	
Surr: Toluene-d8	49.5	0	50	0	99	82.8	112.8	0	0	0	

Sample ID: <b>LCS-F040730-1</b>		SampType: <b>LCS1</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>5972 INST. F_040730A</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21285</b>		TestNo: <b>SW8260B</b>		Analysis Date: <b>7/30/04</b>		SeqNo: <b>806188</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.7	1.0	50	0	91.4	84.2	125	0	0		
Toluene	46.2	5.0	50	0	92.4	84	126	0	0		
Ethylbenzene	46	5.0	50	0	92	84.7	127	0	0		
Xylenes, Total	91.4	5.0	100	0	91.4	83.3	131	0	0		
Surr: 1,2-Dichloroethane-d4	46.8	0	50	0	93.6	72.8	122	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_S**

Sample ID: <b>LCS-F040730-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>5972 INST. F_040730A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21285</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806188</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	50.5	0	50	0	101	75.6	120	0	0		
Surr: Dibromofluoromethane	49.5	0	50	0	99	74.1	121	0	0		
Surr: Toluene-d8	49.8	0	50	0	99.6	82.8	112.8	0	0		

Sample ID: <b>LCSD-F040730-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>5972 INST. F_040730A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21285</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806189</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	51	1.0	50	0	102	84.2	125	45.7	11.0	0	
Toluene	52	5.0	50	0	104	84	126	46.2	11.8	0	
Ethylbenzene	51.6	5.0	50	0	103	84.7	127	46	11.5	0	
Xylenes, Total	102	5.0	100	0	102	83.3	131	91.4	11.0	0	
Surr: 1,2-Dichloroethane-d4	47.3	0	50	0	94.6	72.8	122	0	0	0	
Surr: 4-Bromofluorobenzene	50.3	0	50	0	101	75.6	120	0	0	0	
Surr: Dibromofluoromethane	49.7	0	50	0	99.4	74.1	121	0	0	0	
Surr: Toluene-d8	49.6	0	50	0	99.2	82.8	112.8	0	0	0	

Sample ID: <b>LCS-F040731-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/31/04</b>	Run ID: <b>5972 INST. F_040731A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21288</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/31/04</b>	SeqNo: <b>806237</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylenes	50.4	5.0	50	0	101	83.3	131	0	0		
Methyl tert-butyl ether	50.1	2.0	50	0	100	70	130	0	0		
o-Xylene	50	5.0	50	0	100	85.5	129	0	0		
Benzene	51.9	1.0	50	0	104	84.2	125	0	0		
Toluene	51.5	5.0	50	0	103	84	126	0	0		
Ethylbenzene	51	5.0	50	0	102	84.7	127	0	0		
Xylenes, Total	100	5.0	100	0	100	83.3	131	0	0		
Surr: 1,2-Dichloroethane-d4	51.3	0	50	0	103	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	47.6	0	50	0	95.2	75.6	120	0	0		
Surr: Dibromofluoromethane	51.7	0	50	0	103	74.1	121	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_S**

Sample ID: <b>LCS-F040731-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/31/04</b>	Run ID: <b>5972 INST. F_040731A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21288</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/31/04</b>	SeqNo: <b>806237</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	49.9	0	50	0	99.8	82.8	112.8	0	0		

Sample ID: <b>LCS-D-F040731-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/31/04</b>	Run ID: <b>5972 INST. F_040731A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21288</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/1/04</b>	SeqNo: <b>806239</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylenes	47.6	5.0	50	0	95.2	83.3	131	50.4	5.71	0	
Methyl tert-butyl ether	46.6	2.0	50	0	93.2	70	130	50.1	7.24	0	
o-Xylene	46.7	5.0	50	0	93.4	85.5	129	50	6.83	0	
Benzene	49.4	1.0	50	0	98.8	84.2	125	51.9	4.93	0	
Toluene	48.3	5.0	50	0	96.6	84	126	51.5	6.41	0	
Ethylbenzene	47.8	5.0	50	0	95.6	84.7	127	51	6.48	0	
Xylenes, Total	94.3	5.0	100	0	94.3	83.3	131	100	5.87	0	
Surr: 1,2-Dichloroethane-d4	52.3	0	50	0	105	72.8	122	0	0	0	
Surr: 4-Bromofluorobenzene	46.8	0	50	0	93.6	75.6	120	0	0	0	
Surr: Dibromofluoromethane	52.3	0	50	0	105	74.1	121	0	0	0	
Surr: Toluene-d8	50	0	50	0	100	82.8	112.8	0	0	0	

Sample ID: <b>LCS-F040801-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>5972 INST. F_040801A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21301</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/1/04</b>	SeqNo: <b>806466</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylenes	50	5.0	50	0	100	83.3	131	0	0		
Methyl tert-butyl ether	48.3	2.0	50	0	96.6	70	130	0	0		
o-Xylene	49.7	5.0	50	0	99.4	85.5	129	0	0		
Benzene	50	1.0	50	0	100	84.2	125	0	0		
Toluene	50.9	5.0	50	0	102	84	126	0	0		
Ethylbenzene	50.1	5.0	50	0	100	84.7	127	0	0		
Xylenes, Total	99.7	5.0	100	1	98.7	83.3	131	0	0		
Surr: 1,2-Dichloroethane-d4	47.9	0	50	0	95.8	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	49.4	0	50	0	98.8	75.6	120	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_S**

Sample ID: <b>LCS-F040801-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>5972 INST. F_040801A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21301</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/1/04</b>	SeqNo: <b>806466</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	50.2	0	50	0	100	74.1	121	0	0		
Surr: Toluene-d8	50.1	0	50	0	100	82.8	112.8	0	0		

Sample ID: <b>LCS-D-F040801-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>5972 INST. F_040801A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21301</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/1/04</b>	SeqNo: <b>806467</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylenes	49.4	5.0	50	0	98.8	83.3	131	50	1.21	0	
Methyl tert-butyl ether	48.4	2.0	50	0	96.8	70	130	48.3	0.207	0	
o-Xylene	49.3	5.0	50	0	98.6	85.5	129	49.7	0.808	0	
Benzene	50	1.0	50	0	100	84.2	125	50	0	0	
Toluene	50.5	5.0	50	0	101	84	126	50.9	0.789	0	
Ethylbenzene	49.7	5.0	50	0	99.4	84.7	127	50.1	0.802	0	
Xylenes, Total	98.7	5.0	100	1	97.7	83.3	131	99.7	1.01	0	
Surr: 1,2-Dichloroethane-d4	47.8	0	50	0	95.6	72.8	122	0	0	0	
Surr: 4-Bromofluorobenzene	49.4	0	50	0	98.8	75.6	120	0	0	0	
Surr: Dibromofluoromethane	50.4	0	50	0	101	74.1	121	0	0	0	
Surr: Toluene-d8	50.1	0	50	0	100	82.8	112.8	0	0	0	

Sample ID: <b>LCS-F040801-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/04</b>	Run ID: <b>5972 INST. F_040801C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21302</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/1/04</b>	SeqNo: <b>806502</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.7	1.0	50	0	95.4	84.2	125	0	0		
Toluene	47.1	5.0	50	1	92.2	84	126	0	0		
Ethylbenzene	45	5.0	50	0	90	84.7	127	0	0		
Xylenes, Total	88.2	5.0	100	1.1	87.1	83.3	131	0	0		
Surr: 1,2-Dichloroethane-d4	49.7	0	50	0	99.4	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	49.4	0	50	0	98.8	75.6	120	0	0		
Surr: Dibromofluoromethane	51	0	50	0	102	74.1	121	0	0		
Surr: Toluene-d8	50.7	0	50	0	101	82.8	112.8	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_S**

Sample ID: <b>LCSD-F040801-1</b>		SampType: <b>LCS1</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>8/1/04</b>		Run ID: <b>5972 INST. F_040801C</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21302</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>8/2/04</b>		SeqNo: <b>806503</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.3	1.0	50	0	98.6	84.2	125	47.7	3.30	0	
Toluene	48.8	5.0	50	1	95.6	84	126	47.1	3.54	0	
Ethylbenzene	47.2	5.0	50	0	94.4	84.7	127	45	4.77	0	
Xylenes, Total	92.4	5.0	100	1.1	91.3	83.3	131	88.2	4.65	0	
Surr: 1,2-Dichloroethane-d4	49.6	0	50	0	99.2	72.8	122	0	0	0	
Surr: 4-Bromofluorobenzene	49.4	0	50	0	98.8	75.6	120	0	0	0	
Surr: Dibromofluoromethane	50.6	0	50	0	101	74.1	121	0	0	0	
Surr: Toluene-d8	50.1	0	50	0	100	82.8	112.8	0	0	0	

Sample ID: <b>LCS-F040802-1</b>		SampType: <b>LCS1</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>8/2/04</b>		Run ID: <b>5972 INST. F_040802A</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21323</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>8/2/04</b>		SeqNo: <b>807840</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	49.3	1.0	50	0	98.6	84.2	125	0	0		
Toluene	50	5.0	50	0	100	84	126	0	0		
Ethylbenzene	49.3	5.0	50	0	98.6	84.7	127	0	0		
Xylenes, Total	98.3	5.0	100	0	98.3	83.3	131	0	0		
Surr: 1,2-Dichloroethane-d4	48.1	0	50	0	96.2	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	49.7	0	50	0	99.4	75.6	120	0	0		
Surr: Dibromofluoromethane	50.2	0	50	0	100	74.1	121	0	0		
Surr: Toluene-d8	50.4	0	50	0	101	82.8	112.8	0	0		

Sample ID: <b>LCSD-F040802-1</b>		SampType: <b>LCS1</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>8/2/04</b>		Run ID: <b>5972 INST. F_040802A</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21323</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>8/2/04</b>		SeqNo: <b>807841</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	50.7	1.0	50	0	101	84.2	125	49.3	2.80	0	
Toluene	51.4	5.0	50	0	103	84	126	50	2.76	0	
Ethylbenzene	50.3	5.0	50	0	101	84.7	127	49.3	2.01	0	
Xylenes, Total	100	5.0	100	0	100	83.3	131	98.3	1.71	0	
Surr: 1,2-Dichloroethane-d4	48.2	0	50	0	96.4	72.8	122	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_S**

Sample ID: <b>LCSD-F040802-1</b>	SampType: <b>LCS1</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/2/04</b>	Run ID: <b>5972 INST. F_040802A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21323</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807841</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	50.4	0	50	0	101	75.6	120	0	0	0	
Surr: Dibromofluoromethane	50.7	0	50	0	101	74.1	121	0	0	0	
Surr: Toluene-d8	50	0	50	0	100	82.8	112.8	0	0	0	

Sample ID: <b>MBLK-F040729-2</b>	SampType: <b>MBLK</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/29/04</b>	Run ID: <b>5972 INST. F_040729C</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21279</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>805580</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	1.1	5.0									J
Surr: 1,2-Dichloroethane-d4	51.3	0	50	0	103	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	48.4	0	50	0	96.8	75.6	120	0	0		
Surr: Dibromofluoromethane	51.2	0	50	0	102	74.1	121	0	0		
Surr: Toluene-d8	49.7	0	50	0	99.4	82.8	112.8	0	0		

Sample ID: <b>MBLK-F040730-1</b>	SampType: <b>MBLK</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>5972 INST. F_040730A</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21285</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806190</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49.5	0	50	0	99	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	48.2	0	50	0	96.4	75.6	120	0	0		
Surr: Dibromofluoromethane	49.2	0	50	0	98.4	74.1	121	0	0		
Surr: Toluene-d8	50.3	0	50	0	101	82.8	112.8	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_S**

Sample ID: <b>MBLK-F040730-2</b>		SampType: <b>MBLK</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>7/30/04</b>		Run ID: <b>5972 INST. F_040730D</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21287</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>7/31/04</b>		SeqNo: <b>806219</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	ND	1.0										
Toluene	1	5.0									J	
Ethylbenzene	ND	5.0										
Xylenes, Total	1.1	5.0									J	
Surr: 1,2-Dichloroethane-d4	47	0	50	0	94	72.8	122	0	0			
Surr: 4-Bromofluorobenzene	51	0	50	0	102	75.6	120	0	0			
Surr: Dibromofluoromethane	49.1	0	50	0	98.2	74.1	121	0	0			
Surr: Toluene-d8	49.2	0	50	0	98.4	82.8	112.8	0	0			

Sample ID: <b>MBLK-F040731-1</b>		SampType: <b>MBLK</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>7/31/04</b>		Run ID: <b>5972 INST. F_040731A</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21288</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>7/31/04</b>		SeqNo: <b>806238</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
m,p-Xylenes	ND	5.0										
Methyl tert-butyl ether	ND	2.0										
o-Xylene	ND	5.0										
Benzene	ND	1.0										
Toluene	ND	5.0										
Ethylbenzene	ND	5.0										
Xylenes, Total	ND	5.0										
Surr: 1,2-Dichloroethane-d4	52.4	0	50	0	105	72.8	122	0	0			
Surr: 4-Bromofluorobenzene	47.8	0	50	0	95.6	75.6	120	0	0			
Surr: Dibromofluoromethane	51.8	0	50	0	104	74.1	121	0	0			
Surr: Toluene-d8	50.2	0	50	0	100	82.8	112.8	0	0			

Sample ID: <b>MBLK-F040801-1</b>		SampType: <b>MBLK</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>8/1/04</b>		Run ID: <b>5972 INST. F_040801A</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21301</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>8/1/04</b>		SeqNo: <b>806468</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
m,p-Xylenes	ND	5.0										
Methyl tert-butyl ether	ND	2.0										

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_S**

Sample ID: <b>MBLK-F040801-1</b>		SampType: <b>MBLK</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>8/1/04</b>		Run ID: <b>5972 INST. F_040801A</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21301</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>8/1/04</b>		SeqNo: <b>806468</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
o-Xylene	ND	5.0										
Benzene	ND	1.0										
Toluene	ND	5.0										
Ethylbenzene	ND	5.0										
Xylenes, Total	1	5.0									J	
Surr: 1,2-Dichloroethane-d4	49	0	50	0	98	72.8	122	0	0			
Surr: 4-Bromofluorobenzene	49.6	0	50	0	99.2	75.6	120	0	0			
Surr: Dibromofluoromethane	50.2	0	50	0	100	74.1	121	0	0			
Surr: Toluene-d8	50.1	0	50	0	100	82.8	112.8	0	0			

Sample ID: <b>MBLK-F040801-1</b>		SampType: <b>MBLK</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>8/1/04</b>		Run ID: <b>5972 INST. F_040801C</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21302</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>8/2/04</b>		SeqNo: <b>806504</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	ND	1.0										
Toluene	1	5.0									J	
Ethylbenzene	ND	5.0										
Xylenes, Total	1.1	5.0									J	
Surr: 1,2-Dichloroethane-d4	50.5	0	50	0	101	72.8	122	0	0			
Surr: 4-Bromofluorobenzene	49.1	0	50	0	98.2	75.6	120	0	0			
Surr: Dibromofluoromethane	50.4	0	50	0	101	74.1	121	0	0			
Surr: Toluene-d8	50.1	0	50	0	100	82.8	112.8	0	0			

Sample ID: <b>MBLK-F040802-1</b>		SampType: <b>MBLK</b>		TestCode: <b>V_BTEX_S</b>		Units: <b>µg/Kg</b>		Prep Date: <b>8/2/04</b>		Run ID: <b>5972 INST. F_040802A</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>21323</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>8/2/04</b>		SeqNo: <b>807842</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	ND	1.0										
Toluene	ND	5.0										
Ethylbenzene	ND	5.0										
Xylenes, Total	ND	5.0										

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

**CLIENT:** Philip Environmental  
**Work Order:** 04070635  
**Project:** A831-735002-012901-225/IP Champaign

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_S**

Sample ID: <b>MBLK-F040802-1</b>	SampType: <b>MBLK</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/2/04</b>	Run ID: <b>5972 INST. F_040802A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21323</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>8/2/04</b>	SeqNo: <b>807842</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	48.3	0	50	0	96.6	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	50.3	0	50	0	101	75.6	120	0	0		
Surr: Dibromofluoromethane	49.7	0	50	0	99.4	74.1	121	0	0		
Surr: Toluene-d8	50.3	0	50	0	101	82.8	112.8	0	0		

Sample ID: <b>LCS-F040730-2</b>	SampType: <b>LCS</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>5972 INST. F_040730D</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21287</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806217</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	26.8	1.0	32.4	0	82.7	72.2	98.3	0	0		
Toluene	163	5.0	153	1	106	90.4	121	0	0		
Ethylbenzene	35.8	5.0	36	0	99.4	92.6	128	0	0		
Xylenes, Total	176	5.0	174	1.1	101	94.3	131	0	0		
Surr: 1,2-Dichloroethane-d4	47.6	0	50	0	95.2	72.8	122	0	0		
Surr: 4-Bromofluorobenzene	50.8	0	50	0	102	75.6	120	0	0		
Surr: Dibromofluoromethane	48.6	0	50	0	97.2	74.1	121	0	0		
Surr: Toluene-d8	50.2	0	50	0	100	82.8	112.8	0	0		

Sample ID: <b>LCSD-F040730-2</b>	SampType: <b>LCSD</b>	TestCode: <b>V_BTEX_S</b>	Units: <b>µg/Kg</b>	Prep Date: <b>7/30/04</b>	Run ID: <b>5972 INST. F_040730D</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>21287</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>7/30/04</b>	SeqNo: <b>806218</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	26.6	1.0	32.4	0	82.1	72.2	98.3	26.8	0.749	15	
Toluene	164	5.0	153	1	107	90.4	121	163	0.612	15	
Ethylbenzene	36.7	5.0	36	0	102	92.6	128	35.8	2.48	15	
Xylenes, Total	175	5.0	174	1.1	99.9	94.3	131	176	0.570	15	
Surr: 1,2-Dichloroethane-d4	47	0	50	0	94	72.8	122	0	0	0	
Surr: 4-Bromofluorobenzene	50.8	0	50	0	102	75.6	120	0	0	0	
Surr: Dibromofluoromethane	48.8	0	50	0	97.6	74.1	121	0	0	0	
Surr: Toluene-d8	49.9	0	50	0	99.8	82.8	112.8	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank