

CLIENT: Kelron Environmental  
 Work Order: 06060698  
 Project: CHMGP/162363

**ANALYTICAL QC SUMMARY REPORT**

TestCode: SV\_8310S\_W

Sample ID: <b>MB-31925</b>	SampType: <b>MBLK</b>	Units: <b>mg/L</b>	Prep Date: <b>6/23/2006</b>	RunNo: <b>80483</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>31925</b>	<b>SW3510C</b>	Analysis Date: <b>6/23/2006</b>	SeqNo: <b>1316711</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00300									
Acenaphthylene	ND	0.00150									
Anthracene	ND	0.00030									
Benzo(a)anthracene	ND	0.00009									
Benzo(a)pyrene	ND	0.00012									
Benzo(b)fluoranthene	ND	0.00015									
Benzo(g,h,i)perylene	ND	0.00030									
Benzo(k)fluoranthene	ND	0.00015									
Chrysene	ND	0.00045									
Dibenzo(a,h)anthracene	ND	0.00018									
Fluoranthene	ND	0.00090									
Fluorene	ND	0.00030									
Indeno(1,2,3-cd)pyrene	ND	0.00030									
Naphthalene	ND	0.00300									
Phenanthrene	ND	0.00060									
Pyrene	ND	0.00030									
Surr: Terphenyl-d14	0.00700		0.01000		70.0	59.9	111				

Sample ID: <b>LCS-31925</b>	SampType: <b>LCS</b>	Units: <b>mg/L</b>	Prep Date: <b>6/23/2006</b>	RunNo: <b>80483</b>							
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>31925</b>	<b>SW3510C</b>	Analysis Date: <b>6/23/2006</b>	SeqNo: <b>1316712</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00877	0.00300	0.01000	0	87.7	52.4	95				
Acenaphthylene	0.00848	0.00150	0.01000	0	84.8	44.3	97.4				
Anthracene	0.00983	0.00030	0.01000	0	98.3	59.1	108				
Benzo(a)anthracene	0.00981	0.00009	0.01000	0	98.1	61.7	109				
Benzo(a)pyrene	0.0100	0.00012	0.01000	0	100	53.7	119				
Benzo(b)fluoranthene	0.00981	0.00015	0.01000	0	98.1	60.3	107				
Benzo(g,h,i)perylene	0.00993	0.00030	0.01000	0	99.3	59.4	115				

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation li  
 M Manual Integration used to determine area response ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

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**Work Order:** 06060698  
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**TestCode: SV\_8310S\_W**

Sample ID: <b>LCS-31925</b>	SampType: <b>LCS</b>	Units: <b>mg/L</b>				Prep Date: <b>6/23/2006</b>	RunNo: <b>80483</b>				
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>31925</b>	<b>SW3510C</b>				Analysis Date: <b>6/23/2006</b>	SeqNo: <b>1316712</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00982	0.00015	0.01000	0	98.2	62.6	109				
Chrysene	0.00997	0.00045	0.01000	0	99.7	60.3	110				
Dibenzo(a,h)anthracene	0.00929	0.00018	0.01000	0	92.9	61	108				
Fluoranthene	0.00973	0.00090	0.01000	0	97.3	59.3	108				
Fluorene	0.00915	0.00030	0.01000	0	91.5	44.8	103				
Indeno(1,2,3-cd)pyrene	0.00979	0.00030	0.01000	0	97.9	61	112				
Naphthalene	0.00814	0.00300	0.01000	0	81.4	45.6	91.9				
Phenanthrene	0.00983	0.00060	0.01000	0	98.3	55.8	110				
Pyrene	0.00982	0.00030	0.01000	0	98.2	50.7	109				
Surr: Terphenyl-d14	0.00928		0.01000		92.8	59.9	111				

Sample ID: <b>LCSD-31925</b>	SampType: <b>LCSD</b>	Units: <b>mg/L</b>				Prep Date: <b>6/23/2006</b>	RunNo: <b>80483</b>				
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>31925</b>	<b>SW3510C</b>				Analysis Date: <b>6/23/2006</b>	SeqNo: <b>1316713</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00901	0.00300	0.01000	0	90.1	52.4	95	0.008765	2.81	26.2	
Acenaphthylene	0.00899	0.00150	0.01000	0	89.9	44.3	97.4	0.008479	5.80	25.7	
Anthracene	0.0104	0.00030	0.01000	0	104	59.1	108	0.009829	5.23	18.2	
Benzo(a)anthracene	0.0105	0.00009	0.01000	0	105	61.7	109	0.009807	6.82	15	
Benzo(a)pyrene	0.0107	0.00012	0.01000	0	107	53.7	119	0.01003	6.79	15.1	
Benzo(b)fluoranthene	0.0105	0.00015	0.01000	0	105	60.3	107	0.009814	7.10	15.8	
Benzo(g,h,i)perylene	0.0105	0.00030	0.01000	0	105	59.4	115	0.009934	5.90	16.4	
Benzo(k)fluoranthene	0.0105	0.00015	0.01000	0	105	62.6	109	0.009817	7.20	15.2	
Chrysene	0.0107	0.00045	0.01000	0	107	60.3	110	0.009974	6.95	15.9	
Dibenzo(a,h)anthracene	0.0103	0.00018	0.01000	0	103	61	108	0.009287	9.94	16.3	
Fluoranthene	0.0105	0.00090	0.01000	0	105	59.3	108	0.009727	7.90	16.8	
Fluorene	0.00982	0.00030	0.01000	0	98.2	44.8	103	0.009149	7.08	27.5	
Indeno(1,2,3-cd)pyrene	0.0105	0.00030	0.01000	0	105	61	112	0.009793	7.01	15.8	
Naphthalene	0.00839	0.00300	0.01000	0	83.9	45.6	91.9	0.008138	3.08	25	
Phenanthrene	0.0104	0.00060	0.01000	0	104	55.8	110	0.009828	6.08	23.2	
Pyrene	0.0106	0.00030	0.01000	0	106	50.7	109	0.009818	8.02	16.7	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation li  
 M Manual Integration used to determine area response      ND Not Detected at the Reporting Limit      R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

**CLIENT:** Kelron Environmental  
**Work Order:** 06060698  
**Project:** CHMGP/162363

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** SV\_8310S\_W

Sample ID: <b>LCSD-31925</b>		SampType: <b>LCSD</b>		Units: <b>mg/L</b>		Prep Date: <b>6/23/2006</b>		RunNo: <b>80483</b>			
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>31925</b>		<b>SW3510C</b>		Analysis Date: <b>6/23/2006</b>		SeqNo: <b>1316713</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14	0.0102		0.01000		102	59.9	111		0	20	

Sample ID: <b>06060698-007AMS</b>		SampType: <b>MS</b>		Units: <b>mg/L</b>		Prep Date: <b>6/23/2006</b>		RunNo: <b>80483</b>			
Client ID: <b>107062MS</b>		Batch ID: <b>31925</b>		<b>SW3510C</b>		Analysis Date: <b>6/24/2006</b>		SeqNo: <b>1316748</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00830	0.00300	0.01000	0	83.0	17.5	116				
Acenaphthylene	0.00800	0.00150	0.01000	0	80.0	18.7	140				
Anthracene	0.00893	0.00030	0.01000	0	89.3	55.5	111				
Benzo(a)anthracene	0.00849	0.00009	0.01000	0	84.9	52	115				
Benzo(a)pyrene	0.00901	0.00012	0.01000	0	90.1	46.8	122				
Benzo(b)fluoranthene	0.00851	0.00015	0.01000	0	85.1	52.6	112				
Benzo(g,h,i)perylene	0.00871	0.00030	0.01000	0	87.1	52.7	116				
Benzo(k)fluoranthene	0.00854	0.00015	0.01000	0	85.4	51.1	118				
Chrysene	0.00875	0.00045	0.01000	0	87.5	52.1	113				
Dibenzo(a,h)anthracene	0.00836	0.00018	0.01000	0	83.6	53.6	110				
Fluoranthene	0.00845	0.00090	0.01000	0	84.5	45.5	117				
Fluorene	0.00814	0.00030	0.01000	0	81.4	31.7	104				
Indeno(1,2,3-cd)pyrene	0.00849	0.00030	0.01000	0	84.9	52.1	117				
Phenanthrene	0.00869	0.00060	0.01000	0	86.9	47.3	120				
Pyrene	0.00847	0.00030	0.01000	0	84.7	51.2	108				
Surr: Terphenyl-d14	0.00874		0.01000		87.4	53.1	120				

Sample ID: <b>06060698-007AMSD</b>		SampType: <b>MSD</b>		Units: <b>mg/L</b>		Prep Date: <b>6/23/2006</b>		RunNo: <b>80483</b>			
Client ID: <b>107062MSD</b>		Batch ID: <b>31925</b>		<b>SW3510C</b>		Analysis Date: <b>6/24/2006</b>		SeqNo: <b>1316749</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00755	0.00300	0.01000	0	75.5	17.5	116	0.008301	9.48	40	
Acenaphthylene	0.00919	0.00150	0.01000	0	91.9	18.7	140	0.008002	13.9	40	
Anthracene	0.00908	0.00030	0.01000	0	90.8	55.5	111	0.008926	1.70	40	
Benzo(a)anthracene	0.00848	0.00009	0.01000	0	84.8	52	115	0.008489	0.100	40	

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 M Manual Integration used to determine area response      ND Not Detected at the Reporting Limit      R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits

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**Project:** CHMGP/162363

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** SV\_8310S\_W

Sample ID: <b>06060698-007AMSD</b> SampType: <b>MSD</b>		Units: <b>mg/L</b>			Prep Date: <b>6/23/2006</b>			RunNo: <b>80483</b>			
Client ID: <b>107062MSD</b> Batch ID: <b>31925</b>		<b>SW3510C</b>			Analysis Date: <b>6/24/2006</b>			SeqNo: <b>1316749</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00891	0.00012	0.01000	0	89.1	46.8	122	0.009008	1.11	40	
Benzo(b)fluoranthene	0.00848	0.00015	0.01000	0	84.8	52.6	112	0.008505	0.274	40	
Benzo(g,h,i)perylene	0.00815	0.00030	0.01000	0	81.5	52.7	116	0.008714	6.74	40	
Benzo(k)fluoranthene	0.00853	0.00015	0.01000	0	85.3	51.1	118	0.008536	0.0961	40	
Chrysene	0.00879	0.00045	0.01000	0	87.9	52.1	113	0.008753	0.412	40	
Dibenzo(a,h)anthracene	0.00826	0.00018	0.01000	0	82.6	53.6	110	0.008365	1.32	40	
Fluoranthene	0.00839	0.00090	0.01000	0	83.9	45.5	117	0.008449	0.654	40	
Fluorene	0.00839	0.00030	0.01000	0	83.9	31.7	104	0.008138	3.10	40	
Indeno(1,2,3-cd)pyrene	0.00815	0.00030	0.01000	0	81.5	52.1	117	0.008490	4.08	40	
Phenanthrene	0.00870	0.00060	0.01000	0	87.0	47.3	120	0.008692	0.0874	40	
Pyrene	0.00844	0.00030	0.01000	0	84.4	51.2	108	0.008467	0.328	40	
Surr: Terphenyl-d14	0.00894		0.01000		89.4	53.1	120		0	40	

Sample ID: <b>06060698-007AMS</b> SampType: <b>MS</b>		Units: <b>mg/L</b>			Prep Date: <b>6/23/2006</b>			RunNo: <b>80519</b>			
Client ID: <b>107062MS</b> Batch ID: <b>31925</b>		<b>SW3510C</b>			Analysis Date: <b>6/26/2006</b>			SeqNo: <b>1317801</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.0535	0.0150	0.01000	0.04938	41.2	24.5	115				

Sample ID: <b>06060698-007AMSD</b> SampType: <b>MSD</b>		Units: <b>mg/L</b>			Prep Date: <b>6/23/2006</b>			RunNo: <b>80519</b>			
Client ID: <b>107062MSD</b> Batch ID: <b>31925</b>		<b>SW3510C</b>			Analysis Date: <b>6/26/2006</b>			SeqNo: <b>1317802</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.0557	0.0150	0.01000	0.04938	63.4	24.5	115	0.05350	4.07	40	

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 S Spike Recovery outside accepted recovery limits

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**Project:** CHMGP/162363

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** V\_BTEX\_W

Sample ID: <b>MBLK-N060625-1</b>		SampType: <b>MBLK</b>		Units: <b>µg/L</b>		Prep Date: <b>6/25/2006</b>		RunNo: <b>80439</b>			
Client ID: <b>ZZZZZZ</b>		Batch ID: <b>31973</b>		<b>SW5030</b>		Analysis Date: <b>6/25/2006</b>		SeqNo: <b>1315837</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	2.0									
Toluene	ND	5.0									
Ethylbenzene	ND	5.0									
Xylenes, Total	ND	5.0									
Naphthalene	ND	10									
Surr: 1,2-Dichloroethane-d4	56.7		50.00		113	73.9	129				
Surr: 4-Bromofluorobenzene	51.9		50.00		104	83	113				
Surr: Dibromofluoromethane	53.9		50.00		108	83.8	118				
Surr: Toluene-d8	50.0		50.00		99.9	85.5	115				

Sample ID: <b>06060698-007BMS</b>		SampType: <b>MS</b>		Units: <b>µg/L</b>		Prep Date: <b>6/25/2006</b>		RunNo: <b>80439</b>			
Client ID: <b>107062MS</b>		Batch ID: <b>31973</b>		<b>SW5030</b>		Analysis Date: <b>6/25/2006</b>		SeqNo: <b>1315847</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	556	10	325.0	289.0	82.2	57.8	125				

Sample ID: <b>06060698-007BMSD</b>		SampType: <b>MSD</b>		Units: <b>µg/L</b>		Prep Date: <b>6/25/2006</b>		RunNo: <b>80439</b>			
Client ID: <b>107062MSD</b>		Batch ID: <b>31973</b>		<b>SW5030</b>		Analysis Date: <b>6/25/2006</b>		SeqNo: <b>1315848</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	544	10	325.0	289.0	78.5	57.8	125	556.2	2.20	15	

Sample ID: <b>06060698-007BMS</b>		SampType: <b>MS</b>		Units: <b>µg/L</b>		Prep Date: <b>6/25/2006</b>		RunNo: <b>80439</b>			
Client ID: <b>107062MS</b>		Batch ID: <b>31973</b>		<b>SW5030</b>		Analysis Date: <b>6/25/2006</b>		SeqNo: <b>1315855</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	64.1	5.0	65.00	2.440	94.9	75.8	123				
Ethylbenzene	82.6	5.0	65.00	18.20	99.2	72.8	123				
Xylenes, Total	173	5.0	130.0	30.68	110	73	127				
Naphthalene	102	10	0	106.3	0	0	0				

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 S Spike Recovery outside accepted recovery limits

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**Project:** CHMGP/162363

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** V\_BTEX\_W

Sample ID: <b>06060698-007BMS</b>		SampType: <b>MS</b>		Units: <b>µg/L</b>		Prep Date: <b>6/25/2006</b>		RunNo: <b>80439</b>			
Client ID: <b>107062MS</b>		Batch ID: <b>31973</b>		<b>SW5030</b>		Analysis Date: <b>6/25/2006</b>		SeqNo: <b>1315855</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	55.4		50.00		111	73.9	129				
Surr: 4-Bromofluorobenzene	50.7		50.00		101	83	113				
Surr: Dibromofluoromethane	52.2		50.00		104	83.8	118				
Surr: Toluene-d8	50.7		50.00		101	85.5	115				

Sample ID: <b>06060698-007BMSD</b>		SampType: <b>MSD</b>		Units: <b>µg/L</b>		Prep Date: <b>6/25/2006</b>		RunNo: <b>80439</b>			
Client ID: <b>107062MSD</b>		Batch ID: <b>31973</b>		<b>SW5030</b>		Analysis Date: <b>6/25/2006</b>		SeqNo: <b>1315856</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	62.4	5.0	65.00	2.440	92.3	75.8	123	64.11	2.69	15	
Ethylbenzene	83.6	5.0	65.00	18.20	101	72.8	123	82.65	1.19	15	
Xylenes, Total	175	5.0	130.0	30.68	111	73	127	173.2	1.19	15	
Naphthalene	102	10	0	106.3	0	0	0	101.6	0.0492	0	
Surr: 1,2-Dichloroethane-d4	56.2		50.00		112	73.9	129		0	0	
Surr: 4-Bromofluorobenzene	50.3		50.00		101	83	113		0	0	
Surr: Dibromofluoromethane	52.9		50.00		106	83.8	118		0	0	
Surr: Toluene-d8	50.0		50.00		99.9	85.5	115		0	0	

<b>Qualifiers:</b>	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
	M Manual Integration used to determine area response	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits
	S Spike Recovery outside accepted recovery limits		