

CLIENT: Kelron Environmental
 Work Order: 06120390
 Project: CHMGP/162363

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: MB-34908	SampType: MBLK	Units: mg/L	Prep Date: 12/18/2006	RunNo: 87571
Client ID: ZZZZZZ	Batch ID: 34908	SW3510C	Analysis Date: 12/18/2006	SeqNo: 1459601

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.00010									
Acenaphthylene	ND	0.00010									
Anthracene	ND	0.00010									
Benzo(a)anthracene	ND	0.00010									
Benzo(a)pyrene	ND	0.00010									
Benzo(b)fluoranthene	ND	0.00010									
Benzo(g,h,i)perylene	ND	0.00010									
Benzo(k)fluoranthene	ND	0.00010									
Chrysene	ND	0.00010									
Dibenzo(a,h)anthracene	ND	0.00010									
Fluoranthene	ND	0.00010									
Fluorene	ND	0.00010									
Indeno(1,2,3-cd)pyrene	ND	0.00010									
Naphthalene	ND	0.00010									
Phenanthrene	ND	0.00010									
Pyrene	ND	0.00010									
Total PNAs except Naphthalene	ND	0.00013									
Surr: 2-Fluorobiphenyl	0.00307		0.005000		61.4	45.7	108				
Surr: Nitrobenzene-d5	0.00330		0.005000		66.0	39.4	112				
Surr: p-Terphenyl-d14	0.00393		0.005000		78.6	58.6	130				

Sample ID: LCS-34908	SampType: LCS	Units: mg/L	Prep Date: 12/18/2006	RunNo: 87571
Client ID: ZZZZZZ	Batch ID: 34908	SW3510C	Analysis Date: 12/18/2006	SeqNo: 1459602

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00335	0.00010	0.005000	0	67.0	50.1	103				
Acenaphthylene	0.00394	0.00010	0.005000	0	78.8	53.3	122				
Anthracene	0.00347	0.00010	0.005000	0	69.4	57.4	110				
Benzo(a)anthracene	0.00339	0.00010	0.005000	0	67.8	56	102				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation li
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TestCode: SV_8270S_W_SIMS

Sample ID: LCS-34908		SampType: LCS		Units: mg/L		Prep Date: 12/18/2006		RunNo: 87571			
Client ID: ZZZZZ		Batch ID: 34908		SW3510C		Analysis Date: 12/18/2006		SeqNo: 1459602			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00403	0.00010	0.005000	0	80.6	55.4	125				
Benzo(b)fluoranthene	0.00385	0.00010	0.005000	0	77.0	59.3	127				
Benzo(g,h,i)perylene	0.00375	0.00010	0.005000	0	75.0	58.4	125				
Benzo(k)fluoranthene	0.00397	0.00010	0.005000	0	79.4	61.5	125				
Chrysene	0.00358	0.00010	0.005000	0	71.6	58.7	118				
Dibenzo(a,h)anthracene	0.00392	0.00010	0.005000	0	78.4	59.3	126				
Fluoranthene	0.00386	0.00010	0.005000	0	77.2	60.1	117				
Fluorene	0.00360	0.00010	0.005000	0	72.0	54.1	110				
Indeno(1,2,3-cd)pyrene	0.00366	0.00010	0.005000	0	73.2	58.1	123				
Naphthalene	0.00301	0.00010	0.005000	0	60.2	36.3	97.1				
Phenanthrene	0.00350	0.00010	0.005000	0	70.0	55.9	107				
Pyrene	0.00388	0.00010	0.005000	0	77.6	61.4	116				
Surr: 2-Fluorobiphenyl	0.00305		0.005000		61.0	41.9	97.9				
Surr: Nitrobenzene-d5	0.00328		0.005000		65.6	39.9	106				
Surr: p-Terphenyl-d14	0.00397		0.005000		79.4	53	116				

Sample ID: LCSD-34908		SampType: LCSD		Units: mg/L		Prep Date: 12/18/2006		RunNo: 87571			
Client ID: ZZZZZ		Batch ID: 34908		SW3510C		Analysis Date: 12/18/2006		SeqNo: 1459603			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00347	0.00010	0.005000	0	69.4	50.1	103	0.003350	3.52	50	
Acenaphthylene	0.00401	0.00010	0.005000	0	80.2	53.3	122	0.003940	1.76	50	
Anthracene	0.00354	0.00010	0.005000	0	70.8	57.4	110	0.003470	2.00	50	
Benzo(a)anthracene	0.00334	0.00010	0.005000	0	66.8	56	102	0.003390	1.49	50	
Benzo(a)pyrene	0.00400	0.00010	0.005000	0	80.0	55.4	125	0.004030	0.747	50	
Benzo(b)fluoranthene	0.00387	0.00010	0.005000	0	77.4	59.3	127	0.003850	0.518	50	
Benzo(g,h,i)perylene	0.00375	0.00010	0.005000	0	75.0	58.4	125	0.003750	0	50	
Benzo(k)fluoranthene	0.00397	0.00010	0.005000	0	79.4	61.5	125	0.003970	0	50	
Chrysene	0.00362	0.00010	0.005000	0	72.4	58.7	118	0.003580	1.11	50	
Dibenzo(a,h)anthracene	0.00394	0.00010	0.005000	0	78.8	59.3	126	0.003920	0.509	50	
Fluoranthene	0.00377	0.00010	0.005000	0	75.4	60.1	117	0.003860	2.36	50	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation li
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ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: LCSD-34908	SampType: LCSD	Units: mg/L				Prep Date: 12/18/2006	RunNo: 87571				
Client ID: ZZZZZZ	Batch ID: 34908	SW3510C				Analysis Date: 12/18/2006	SeqNo: 1459603				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	0.00365	0.00010	0.005000	0	73.0	54.1	110	0.003600	1.38	50	
Indeno(1,2,3-cd)pyrene	0.00369	0.00010	0.005000	0	73.8	58.1	123	0.003660	0.816	50	
Naphthalene	0.00301	0.00010	0.005000	0	60.2	36.3	97.1	0.003010	0	50	
Phenanthrene	0.00348	0.00010	0.005000	0	69.6	55.9	107	0.003500	0.573	50	
Pyrene	0.00373	0.00010	0.005000	0	74.6	61.4	116	0.003880	3.94	50	
Surr: 2-Fluorobiphenyl	0.00304		0.005000		60.8	41.9	97.9		0	50	
Surr: Nitrobenzene-d5	0.00333		0.005000		66.6	39.9	106		0	50	
Surr: p-Terphenyl-d14	0.00389		0.005000		77.8	53	116		0	50	

Sample ID: 06120390-006AMS	SampType: MS	Units: mg/L				Prep Date: 12/18/2006	RunNo: 87571				
Client ID: 107064MS	Batch ID: 34908	SW3510C				Analysis Date: 12/18/2006	SeqNo: 1459753				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00375	0.00010	0.005556	0	67.5	42.4	117				
Acenaphthylene	0.00460	0.00010	0.005556	0.0002000	79.2	48.4	133				
Anthracene	0.00396	0.00010	0.005556	0.0001400	68.8	52.4	115				
Benzo(a)anthracene	0.00361	0.00010	0.005556	0	65.0	50.8	105				
Benzo(a)pyrene	0.00435	0.00010	0.005556	0	78.3	53.3	126				
Benzo(b)fluoranthene	0.00400	0.00010	0.005556	0	72.0	53.5	131				
Benzo(g,h,i)perylene	0.00390	0.00010	0.005556	0	70.2	54.6	127				
Benzo(k)fluoranthene	0.00415	0.00010	0.005556	0	74.7	56.2	128				
Chrysene	0.00381	0.00010	0.005556	0	68.6	54.4	122				
Dibenzo(a,h)anthracene	0.00425	0.00010	0.005556	0	76.5	54.8	127				
Fluoranthene	0.00440	0.00010	0.005556	0	79.2	54.5	122				
Fluorene	0.00390	0.00010	0.005556	0	70.2	47.7	119				
Indeno(1,2,3-cd)pyrene	0.00396	0.00010	0.005556	0	71.3	53.2	125				
Naphthalene	0.0515	0.00010	0.005556	0.04770	68.6	36.3	107				E
Phenanthrene	0.00389	0.00010	0.005556	0	70.0	51	112				
Pyrene	0.00436	0.00010	0.005556	0	78.5	55.9	121				
Surr: 2-Fluorobiphenyl	0.00372		0.005556		67.0	41.1	108				
Surr: Nitrobenzene-d5	0.00387		0.005556		69.7	37.6	105				

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ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_W_SIMS

Sample ID: 06120390-006AMS	SampType: MS	Units: mg/L	Prep Date: 12/18/2006	RunNo: 87571							
Client ID: 107064MS	Batch ID: 34908	SW3510C	Analysis Date: 12/18/2006	SeqNo: 1459753							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: p-Terphenyl-d14 0.00439 0.005556 79.0 49 113

Sample ID: 06120390-006AMSD	SampType: MSD	Units: mg/L	Prep Date: 12/18/2006	RunNo: 87571							
Client ID: 107064MSD	Batch ID: 34908	SW3510C	Analysis Date: 12/18/2006	SeqNo: 1459754							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00386	0.00010	0.005556	0	69.5	42.4	117	0.003750	2.89	50	
Acenaphthylene	0.00468	0.00010	0.005556	0.0002000	80.6	48.4	133	0.004600	1.72	50	
Anthracene	0.00409	0.00010	0.005556	0.0001400	71.1	52.4	115	0.003960	3.23	50	
Benzo(a)anthracene	0.00374	0.00010	0.005556	0	67.3	50.8	105	0.003610	3.54	50	
Benzo(a)pyrene	0.00451	0.00010	0.005556	0	81.2	53.3	126	0.004350	3.61	50	
Benzo(b)fluoranthene	0.00418	0.00010	0.005556	0	75.2	53.5	131	0.004000	4.40	50	
Benzo(g,h,i)perylene	0.00403	0.00010	0.005556	0	72.5	54.6	127	0.003900	3.28	50	
Benzo(k)fluoranthene	0.00425	0.00010	0.005556	0	76.5	56.2	128	0.004150	2.38	50	
Chrysene	0.00395	0.00010	0.005556	0	71.1	54.4	122	0.003810	3.61	50	
Dibenzo(a,h)anthracene	0.00438	0.00010	0.005556	0	78.8	54.8	127	0.004250	3.01	50	
Fluoranthene	0.00457	0.00010	0.005556	0	82.3	54.5	122	0.004400	3.79	50	
Fluorene	0.00393	0.00010	0.005556	0	70.7	47.7	119	0.003900	0.766	50	
Indeno(1,2,3-cd)pyrene	0.00408	0.00010	0.005556	0	73.4	53.2	125	0.003960	2.99	50	
Naphthalene	0.0512	0.00010	0.005556	0.04770	63.4	36.3	107	0.05151	0.565	50	E
Phenanthrene	0.00401	0.00010	0.005556	0	72.2	51	112	0.003890	3.04	50	
Pyrene	0.00455	0.00010	0.005556	0	81.9	55.9	121	0.004360	4.26	50	
Surr: 2-Fluorobiphenyl	0.00368		0.005556		66.2	41.1	108		0	50	
Surr: Nitrobenzene-d5	0.00386		0.005556		69.5	37.6	105		0	50	
Surr: p-Terphenyl-d14	0.00447		0.005556		80.5	49	113		0	50	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation li
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ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: LCS-N061216-1		SampType: LCS1		Units: µg/L		Prep Date: 12/16/2006		RunNo: 87525			
Client ID: ZZZZZ		Batch ID: 34904		SW5030		Analysis Date: 12/16/2006		SeqNo: 1458604			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	54.0	2.0	50.00	0	108.0	79.3	122				
Toluene	53.5	5.0	50.00	0	107.1	81.5	123				
Ethylbenzene	52.1	5.0	50.00	0	104.2	83	131				
Xylenes, Total	106	5.0	100.0	0	105.7	83.2	131				
Naphthalene	47.5	10	50.00	0	95.1	78.5	140				
Surr: 1,2-Dichloroethane-d4	50.7		50.00		101.4	73.9	129				
Surr: 4-Bromofluorobenzene	52.7		50.00		105.4	83	113				
Surr: Dibromofluoromethane	51.5		50.00		103.0	83.8	118				
Surr: Toluene-d8	47.9		50.00		95.9	85.5	115				

Sample ID: MBLK-N061216-1		SampType: MBLK		Units: µg/L		Prep Date: 12/16/2006		RunNo: 87525			
Client ID: ZZZZZ		Batch ID: 34904		SW5030		Analysis Date: 12/16/2006		SeqNo: 1458606			
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	50.9		50.00		101.7	73.9	129				
Surr: 4-Bromofluorobenzene	52.7		50.00		105.5	83	113				
Surr: Dibromofluoromethane	50.5		50.00		101.0	83.8	118				
Surr: Toluene-d8	49.3		50.00		98.7	85.5	115				

Sample ID: 06120390-006BMS		SampType: MS		Units: µg/L		Prep Date: 12/16/2006		RunNo: 87525			
Client ID: 107064MS		Batch ID: 34904		SW5030		Analysis Date: 12/16/2006		SeqNo: 1458612			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	986	10	270.0	812.1	64.4	57.8	125				
Toluene	282	25.0	270.0	7.100	101.7	75.8	123				
Ethylbenzene	312	25.0	270.0	44.05	99.2	72.8	123				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation li
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 S Spike Recovery outside accepted recovery limits

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ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: 06120390-006BMS		SampType: MS		Units: µg/L		Prep Date: 12/16/2006		RunNo: 87525			
Client ID: 107064MS		Batch ID: 34904		SW5030		Analysis Date: 12/16/2006		SeqNo: 1458612			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	595	25.0	540.0	55.15	100	73	127				
Surr: 1,2-Dichloroethane-d4	241		250.0		96.6	73.9	129				
Surr: 4-Bromofluorobenzene	267		250.0		106.8	83	113				
Surr: Dibromofluoromethane	241		250.0		96.5	83.8	118				
Surr: Toluene-d8	248		250.0		99.0	85.5	115				

Sample ID: 06120390-006BMSD		SampType: MSD		Units: µg/L		Prep Date: 12/16/2006		RunNo: 87525			
Client ID: 107064MSD		Batch ID: 34904		SW5030		Analysis Date: 12/16/2006		SeqNo: 1458613			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1040	10	270.0	812.1	84.4	57.8	125	986.1	5.33	15	
Toluene	284	25.0	270.0	7.100	102.4	75.8	123	281.8	0.654	15	
Ethylbenzene	323	25.0	270.0	44.05	103.4	72.8	123	312.0	3.59	15	
Xylenes, Total	617	25.0	540.0	55.15	104.0	73	127	595.0	3.59	15	
Surr: 1,2-Dichloroethane-d4	250		250.0		99.8	73.9	129		0	0	
Surr: 4-Bromofluorobenzene	266		250.0		106.4	83	113		0	0	
Surr: Dibromofluoromethane	253		250.0		101.0	83.8	118		0	0	
Surr: Toluene-d8	239		250.0		95.8	85.5	115		0	0	

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