

CLIENT: Kelron Environmental
 Work Order: 06090621
 Project: CHMGP/162363

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8310S_W

Sample ID: MB-33509	SampType: MBLK	Units: mg/L	Prep Date: 9/20/2006	RunNo: 84023							
Client ID: ZZZZZZ	Batch ID: 33509	SW3510C	Analysis Date: 9/21/2006	SeqNo: 1386978							
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	0.00768		0.01000		76.8	59.9	111				

Sample ID: LCS-33509	SampType: LCS	Units: mg/L	Prep Date: 9/20/2006	RunNo: 84023							
Client ID: ZZZZZZ	Batch ID: 33509	SW3510C	Analysis Date: 9/21/2006	SeqNo: 1386979							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00823	0.00300	0.01000	0	82.3	52.4	95				
Acenaphthylene	0.00763	0.00150	0.01000	0	76.3	44.3	97.4				
Anthracene	0.00862	0.00030	0.01000	0	86.2	59.1	108				
Benzo(a)anthracene	0.00849	0.00009	0.01000	0	84.9	61.7	109				
Benzo(a)pyrene	0.00809	0.00012	0.01000	0	80.9	53.7	119				
Benzo(b)fluoranthene	0.00846	0.00015	0.01000	0	84.6	60.3	107				
Benzo(g,h,i)perylene	0.00825	0.00030	0.01000	0	82.5	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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Sample ID: LCS-33509		SampType: LCS		Units: mg/L		Prep Date: 9/20/2006		RunNo: 84023			
Client ID: ZZZZZZ		Batch ID: 33509		SW3510C		Analysis Date: 9/21/2006		SeqNo: 1386979			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	0.00844	0.00015	0.01000	0	84.4	62.6	109				
Chrysene	0.00867	0.00045	0.01000	0	86.7	60.3	110				
Dibenzo(a,h)anthracene	0.00850	0.00018	0.01000	0	85.0	61	108				
Fluoranthene	0.00863	0.00090	0.01000	0	86.3	59.3	108				
Fluorene	0.00789	0.00030	0.01000	0	78.9	44.8	103				
Indeno(1,2,3-cd)pyrene	0.00851	0.00030	0.01000	0	85.1	61	112				
Naphthalene	0.00742	0.00300	0.01000	0	74.2	45.6	91.9				
Phenanthrene	0.00852	0.00060	0.01000	0	85.2	55.8	110				
Pyrene	0.00867	0.00030	0.01000	0	86.7	50.7	109				
Surr: Terphenyl-d14	0.00801		0.01000		80.1	59.9	111				

Sample ID: LCSD-33509		SampType: LCSD		Units: mg/L		Prep Date: 9/20/2006		RunNo: 84023			
Client ID: ZZZZZZ		Batch ID: 33509		SW3510C		Analysis Date: 9/21/2006		SeqNo: 1386980			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00824	0.00300	0.01000	0	82.4	52.4	95				
Acenaphthylene	0.00773	0.00150	0.01000	0	77.3	44.3	97.4				
Anthracene	0.00851	0.00030	0.01000	0	85.1	59.1	108				
Benzo(a)anthracene	0.00842	0.00009	0.01000	0	84.2	61.7	109				
Benzo(a)pyrene	0.00786	0.00012	0.01000	0	78.7	53.7	119				
Benzo(b)fluoranthene	0.00833	0.00015	0.01000	0	83.3	60.3	107				
Benzo(g,h,i)perylene	0.00814	0.00030	0.01000	0	81.4	59.4	115				
Benzo(k)fluoranthene	0.00825	0.00015	0.01000	0	82.5	62.6	109				
Chrysene	0.00852	0.00045	0.01000	0	85.2	60.3	110				
Dibenzo(a,h)anthracene	0.00845	0.00018	0.01000	0	84.5	61	108				
Fluoranthene	0.00857	0.00090	0.01000	0	85.7	59.3	108				
Fluorene	0.00785	0.00030	0.01000	0	78.5	44.8	103				
Indeno(1,2,3-cd)pyrene	0.00839	0.00030	0.01000	0	83.9	61	112				
Naphthalene	0.00743	0.00300	0.01000	0	74.3	45.6	91.9				
Phenanthrene	0.00845	0.00060	0.01000	0	84.5	55.8	110				
Pyrene	0.00868	0.00030	0.01000	0	86.8	50.7	109				

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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TestCode: SV_8310S_W

Sample ID: LCSD-33509	SampType: LCSD	Units: mg/L	Prep Date: 9/20/2006	RunNo: 84023							
Client ID: ZZZZZZ	Batch ID: 33509	SW3510C	Analysis Date: 9/21/2006	SeqNo: 1386980							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Terphenyl-d14 0.00796 0.01000 79.6 59.9 111

Sample ID: 06090621-007AMS	SampType: MS	Units: mg/L	Prep Date: 9/20/2006	RunNo: 84095							
Client ID: 107063MS	Batch ID: 33509	SW3510C	Analysis Date: 9/22/2006	SeqNo: 1388756							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00805	0.00300	0.01000	0	80.5	17.5	116				
Acenaphthylene	0.0130	0.00150	0.01000	0.005382	76.3	18.7	140				
Anthracene	0.00805	0.00030	0.01000	0	80.5	55.5	111				
Benzo(a)anthracene	0.00778	0.00009	0.01000	0	77.8	52	115				
Benzo(a)pyrene	0.00767	0.00012	0.01000	0	76.7	46.8	122				
Benzo(b)fluoranthene	0.00776	0.00015	0.01000	0	77.6	52.6	112				
Benzo(g,h,i)perylene	0.00832	0.00030	0.01000	0	83.2	52.7	116				
Benzo(k)fluoranthene	0.00780	0.00015	0.01000	0	78.0	51.1	118				
Chrysene	0.00799	0.00045	0.01000	0	79.9	52.1	113				
Dibenzo(a,h)anthracene	0.00778	0.00018	0.01000	0	77.8	53.6	110				
Fluoranthene	0.00786	0.00090	0.01000	0	78.6	45.5	117				
Fluorene	0.00742	0.00030	0.01000	0	74.2	31.7	104				
Indeno(1,2,3-cd)pyrene	0.00804	0.00030	0.01000	0	80.4	52.1	117				
Phenanthrene	0.00790	0.00060	0.01000	0	79.0	47.3	120				
Pyrene	0.00781	0.00030	0.01000	0	78.1	51.2	108				
Surr: Terphenyl-d14	0.00821		0.01000		82.1	53.1	120				

Sample ID: 06090621-007AMSD	SampType: MSD	Units: mg/L	Prep Date: 9/20/2006	RunNo: 84095							
Client ID: 107063MSD	Batch ID: 33509	SW3510C	Analysis Date: 9/22/2006	SeqNo: 1388757							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00710	0.00300	0.01000	0	71.0	17.5	116	0.008052	12.6	40	
Acenaphthylene	0.0103	0.00150	0.01000	0.005382	49.1	18.7	140	0.01301	23.3	40	
Anthracene	0.00757	0.00030	0.01000	0	75.7	55.5	111	0.008051	6.19	40	
Benzo(a)anthracene	0.00734	0.00009	0.01000	0	73.4	52	115	0.007785	5.91	40	

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TestCode: SV_8310S_W

Sample ID: 06090621-007AMSD SampType: MSD		Units: mg/L			Prep Date: 9/20/2006			RunNo: 84095			
Client ID: 107063MSD Batch ID: 33509		SW3510C			Analysis Date: 9/22/2006			SeqNo: 1388757			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.00727	0.00012	0.01000	0	72.7	46.8	122	0.007674	5.38	40	
Benzo(b)fluoranthene	0.00733	0.00015	0.01000	0	73.3	52.6	112	0.007764	5.78	40	
Benzo(g,h,i)perylene	0.00750	0.00030	0.01000	0	75.0	52.7	116	0.008324	10.4	40	
Benzo(k)fluoranthene	0.00737	0.00015	0.01000	0	73.7	51.1	118	0.007800	5.65	40	
Chrysene	0.00753	0.00045	0.01000	0	75.3	52.1	113	0.007993	5.98	40	
Dibenzo(a,h)anthracene	0.00722	0.00018	0.01000	0	72.2	53.6	110	0.007784	7.45	40	
Fluoranthene	0.00940	0.00090	0.01000	0	94.0	45.5	117	0.007860	17.9	40	
Fluorene	0.00710	0.00030	0.01000	0	71.0	31.7	104	0.007424	4.53	40	
Indeno(1,2,3-cd)pyrene	0.00741	0.00030	0.01000	0	74.1	52.1	117	0.008044	8.18	40	
Phenanthrene	0.00742	0.00060	0.01000	0	74.2	47.3	120	0.007900	6.27	40	
Pyrene	0.00743	0.00030	0.01000	0	74.3	51.2	108	0.007812	5.07	40	
Surr: Terphenyl-d14	0.00768		0.01000		76.8	53.1	120		0	40	

Sample ID: 06090621-007AMS SampType: MS		Units: mg/L			Prep Date: 9/20/2006			RunNo: 84172			
Client ID: 107063MS Batch ID: 33509		SW3510C			Analysis Date: 9/25/2006			SeqNo: 1389598			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.181	0.0750	0.01000	0.1799	8.2	24.5	115				S

Sample ID: 06090621-007AMSD SampType: MSD		Units: mg/L			Prep Date: 9/20/2006			RunNo: 84172			
Client ID: 107063MSD Batch ID: 33509		SW3510C			Analysis Date: 9/25/2006			SeqNo: 1389599			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.168	0.0750	0.01000	0.1799	-116.2	24.5	115	0.1807	7.13	40	S

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ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: LCS-N060921-1		SampType: LCS1		Units: µg/L		Prep Date: 9/21/2006		RunNo: 84074			
Client ID: ZZZZZZ		Batch ID: 33549		SW5030		Analysis Date: 9/21/2006		SeqNo: 1387850			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	47.1	2.0	50.00	0	94.3	79.3	122				
Toluene	49.6	5.0	50.00	0	99.2	81.5	123				
Ethylbenzene	51.7	5.0	50.00	0	103.4	83	131				
Xylenes, Total	101	5.0	100.0	0	100.9	83.2	131				
Naphthalene	46.7	10	50.00	0	93.4	78.5	140				
Surr: 1,2-Dichloroethane-d4	44.9		50.00		89.7	73.9	129				
Surr: 4-Bromofluorobenzene	52.5		50.00		105.0	83	113				
Surr: Dibromofluoromethane	49.9		50.00		99.8	83.8	118				
Surr: Toluene-d8	47.8		50.00		95.5	85.5	115				

Sample ID: MBLK-N060921-1		SampType: MBLK		Units: µg/L		Prep Date: 9/21/2006		RunNo: 84074			
Client ID: ZZZZZZ		Batch ID: 33549		SW5030		Analysis Date: 9/21/2006		SeqNo: 1387852			
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	45.7		50.00		91.3	73.9	129				
Surr: 4-Bromofluorobenzene	52.2		50.00		104.5	83	113				
Surr: Dibromofluoromethane	49.0		50.00		98.0	83.8	118				
Surr: Toluene-d8	48.0		50.00		96.0	85.5	115				

Sample ID: 06090621-007BMS		SampType: MS		Units: µg/L		Prep Date: 9/21/2006		RunNo: 84074			
Client ID: 107063MS		Batch ID: 33549		SW5030		Analysis Date: 9/21/2006		SeqNo: 1387868			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1660	20.0	540.0	1285	70.3	57.8	125				
Toluene	516	50.0	540.0	10.60	93.5	75.8	123				
Ethylbenzene	603	50.0	540.0	69.10	98.9	72.8	123				

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TestCode: V_BTEX_W

Sample ID: 06090621-007BMS		SampType: MS		Units: µg/L		Prep Date: 9/21/2006		RunNo: 84074			
Client ID: 107063MS		Batch ID: 33549		SW5030		Analysis Date: 9/21/2006		SeqNo: 1387868			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	1110	50.0	1080	81.20	95.7	73	127				
Surr: 1,2-Dichloroethane-d4	454		500.0		90.9	73.9	129				
Surr: 4-Bromofluorobenzene	512		500.0		102.4	83	113				
Surr: Dibromofluoromethane	492		500.0		98.4	83.8	118				
Surr: Toluene-d8	463		500.0		92.6	85.5	115				

Sample ID: 06090621-007BMSD		SampType: MSD		Units: µg/L		Prep Date: 9/21/2006		RunNo: 84074			
Client ID: 107063MSD		Batch ID: 33549		SW5030		Analysis Date: 9/21/2006		SeqNo: 1387869			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1690	20.0	540.0	1285	74.4	57.8	125	1665	1.32	15	
Toluene	530	50.0	540.0	10.60	96.3	75.8	123	515.7	2.83	15	
Ethylbenzene	621	50.0	540.0	69.10	102.1	72.8	123	602.9	2.91	15	
Xylenes, Total	1190	50.0	1080	81.20	103.0	73	127	1115	6.79	15	
Surr: 1,2-Dichloroethane-d4	454		500.0		90.8	73.9	129		0	0	
Surr: 4-Bromofluorobenzene	524		500.0		104.8	83	113		0	0	
Surr: Dibromofluoromethane	507		500.0		101.4	83.8	118		0	0	
Surr: Toluene-d8	478		500.0		95.6	85.5	115		0	0	

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