

CLIENT: Kelron Environmental
Work Order: 05060318
Project: CHMGP/162363

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8310S_W

Sample ID: MB-25734	SampType: MBLK	TestCode: SV_8310S_W	Units: mg/L	Prep Date: 6/14/2005	Run ID: HPLC INST. C_050614A							
Client ID: ZZZZZ	Batch ID: 25734	TestNo: SW8310		Analysis Date: 6/14/2005	SeqNo: 1020673							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.001	0.00300									
Acenaphthylene	ND	0.0005	0.00150									
Anthracene	ND	0.0001	0.00030									
Benzo(a)anthracene	ND	0.00003	0.00009									
Benzo(a)pyrene	ND	0.00004	0.00012									
Benzo(b)fluoranthene	ND	0.00005	0.00015									
Benzo(g,h,i)perylene	ND	0.0001	0.00030									
Benzo(k)fluoranthene	ND	0.00005	0.00015									
Chrysene	ND	0.00015	0.00045									
Dibenzo(a,h)anthracene	ND	0.00006	0.00018									
Fluoranthene	ND	0.0003	0.00090									
Fluorene	ND	0.0001	0.00030									
Indeno(1,2,3-cd)pyrene	ND	0.0001	0.00030									
Naphthalene	ND	0.001	0.00300									
Phenanthrene	ND	0.0002	0.00060									
Pyrene	ND	0.0001	0.00030									
Surr: Terphenyl-d14	0.00849	0	0	0.01	0	84.9	59.9	111	0	0		

Sample ID: LCS-25734	SampType: LCS	TestCode: SV_8310S_W	Units: mg/L	Prep Date: 6/14/2005	Run ID: HPLC INST. C_050614A							
Client ID: ZZZZZ	Batch ID: 25734	TestNo: SW8310		Analysis Date: 6/14/2005	SeqNo: 1020674							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	0.00876	0.001	0.00300	0.01	0	87.6	52.4	95	0	0		
Acenaphthylene	0.00853	0.0005	0.00150	0.01	0	85.3	44.3	97.4	0	0		
Anthracene	0.00911	0.0001	0.00030	0.01	0	91.1	59.1	108	0	0		
Benzo(a)anthracene	0.00936	0.00003	0.00009	0.01	0	93.6	61.7	109	0	0		
Benzo(a)pyrene	0.00939	0.00004	0.00012	0.01	0	93.9	53.7	119	0	0		
Benzo(b)fluoranthene	0.00932	0.00005	0.00015	0.01	0	93.2	60.3	107	0	0		
Benzo(g,h,i)perylene	0.00954	0.0001	0.00030	0.01	0	95.4	59.4	115	0	0		
Benzo(k)fluoranthene	0.00942	0.00005	0.00015	0.01	0	94.2	62.6	109	0	0		

Qual: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits NOTE: LIMS MDL and PQL are adjusted for dilutions.
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits B - Analyte detected in the associated Method Blank

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ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8310S_W

Sample ID: LCS-25734	SampType: LCS	TestCode: SV_8310S_W	Units: mg/L	Prep Date: 6/14/2005	Run ID: HPLC INST. C_050614A							
Client ID: ZZZZZ	Batch ID: 25734	TestNo: SW8310		Analysis Date: 6/14/2005	SeqNo: 1020674							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	0.00956	0.00015	0.00045	0.01	0	95.6	60.3	110	0	0		
Dibenzo(a,h)anthracene	0.00926	0.00006	0.00018	0.01	0	92.6	61	108	0	0		
Fluoranthene	0.00937	0.0003	0.00090	0.01	0	93.7	59.3	108	0	0		
Fluorene	0.0089	0.0001	0.00030	0.01	0	89	44.8	103	0	0		
Indeno(1,2,3-cd)pyrene	0.00924	0.0001	0.00030	0.01	0	92.4	61	112	0	0		
Naphthalene	0.00753	0.001	0.00300	0.01	0	75.3	45.6	91.9	0	0		
Phenanthrene	0.00916	0.0002	0.00060	0.01	0	91.6	55.8	110	0	0		
Pyrene	0.00982	0.0001	0.00030	0.01	0	98.2	50.7	109	0	0		
Surr: Terphenyl-d14	0.00929	0	0	0.01	0	92.9	59.9	111	0	0		

Sample ID: LCSDUP-25734	SampType: LCSD	TestCode: SV_8310S_W	Units: mg/L	Prep Date: 6/14/2005	Run ID: HPLC INST. C_050614A							
Client ID: ZZZZZ	Batch ID: 25734	TestNo: SW8310		Analysis Date: 6/14/2005	SeqNo: 1020675							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00869	0.001	0.00300	0.01	0	86.9	52.4	95	0.00876	0.803	26.2	
Acenaphthylene	0.00853	0.0005	0.00150	0.01	0	85.3	44.3	97.4	0.00853	0	25.7	
Anthracene	0.00964	0.0001	0.00030	0.01	0	96.4	59.1	108	0.00911	5.65	18.2	
Benzo(a)anthracene	0.0106	0.00003	0.00009	0.01	0	106	61.7	109	0.00936	12.4	15	
Benzo(a)pyrene	0.01	0.00004	0.00012	0.01	0	100	53.7	119	0.00939	6.28	15.1	
Benzo(b)fluoranthene	0.00979	0.00005	0.00015	0.01	0	97.9	60.3	107	0.00932	4.92	15.8	
Benzo(g,h,i)perylene	0.0101	0.0001	0.00030	0.01	0	101	59.4	115	0.00954	5.70	16.4	
Benzo(k)fluoranthene	0.00942	0.00005	0.00015	0.01	0	94.2	62.6	109	0.00942	0	15.2	
Chrysene	0.00995	0.00015	0.00045	0.01	0	99.5	60.3	110	0.00956	4.00	15.9	
Dibenzo(a,h)anthracene	0.00992	0.00006	0.00018	0.01	0	99.2	61	108	0.00926	6.88	16.3	
Fluoranthene	0.0098	0.0003	0.00090	0.01	0	98	59.3	108	0.00937	4.49	16.8	
Fluorene	0.00961	0.0001	0.00030	0.01	0	96.1	44.8	103	0.0089	7.67	27.5	
Indeno(1,2,3-cd)pyrene	0.00981	0.0001	0.00030	0.01	0	98.1	61	112	0.00924	5.99	15.8	
Naphthalene	0.00804	0.001	0.00300	0.01	0	80.4	45.6	91.9	0.00753	6.55	25	
Phenanthrene	0.00987	0.0002	0.00060	0.01	0	98.7	55.8	110	0.00916	7.46	23.2	
Pyrene	0.0102	0.0001	0.00030	0.01	0	102	50.7	109	0.00982	3.80	16.7	
Surr: Terphenyl-d14	0.00945	0	0	0.01	0	94.5	59.9	111	0	0	20	

Qual: 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

NOTE: LIMS MDL and PQL are adjusted for dilutions.

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ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8310S_W

Sample ID: 05060318-006AMS		SampType: MS		TestCode: SV_8310S_W		Units: mg/L		Prep Date: 6/14/2005		Run ID: HPLC INST. C_050614A		
Client ID: 107052		Batch ID: 25734		TestNo: SW8310				Analysis Date: 6/14/2005		SeqNo: 1020677		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00838	0.001	0.00300	0.01	0	83.8	17.5	116	0	0		
Anthracene	0.00871	0.0001	0.00030	0.01	0	87.1	55.5	111	0	0		
Benzo(a)anthracene	0.00864	0.00003	0.00009	0.01	0	86.4	52	115	0	0		
Benzo(a)pyrene	0.00916	0.00004	0.00012	0.01	0	91.6	46.8	122	0	0		
Benzo(b)fluoranthene	0.00845	0.00005	0.00015	0.01	0	84.5	52.6	112	0	0		
Benzo(g,h,i)perylene	0.00883	0.0001	0.00030	0.01	0	88.3	52.7	116	0	0		
Benzo(k)fluoranthene	0.00858	0.00005	0.00015	0.01	0	85.8	51.1	118	0	0		
Chrysene	0.00869	0.00015	0.00045	0.01	0	86.9	52.1	113	0	0		
Dibenzo(a,h)anthracene	0.00853	0.00006	0.00018	0.01	0	85.3	53.6	110	0	0		
Fluoranthene	0.00855	0.0003	0.00090	0.01	0	85.5	45.5	117	0	0		
Fluorene	0.00818	0.0001	0.00030	0.01	0	81.8	31.7	104	0	0		
Indeno(1,2,3-cd)pyrene	0.00845	0.0001	0.00030	0.01	0	84.5	52.1	117	0	0		
Phenanthrene	0.00843	0.0002	0.00060	0.01	0	84.3	47.3	120	0	0		
Pyrene	0.00871	0.0001	0.00030	0.01	0	87.1	51.2	108	0	0		
Surr: Terphenyl-d14	0.00882	0	0	0.01	0	88.2	53.1	120	0	0		

Sample ID: 05060318-006AMS		SampType: MS		TestCode: SV_8310S_W		Units: mg/L		Prep Date: 6/14/2005		Run ID: HPLC INST. C_050614A		
Client ID: 107052		Batch ID: 25734		TestNo: SW8310				Analysis Date: 6/14/2005		SeqNo: 1020690		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	0.0567	0.0025	0.00750	0.01	0.0445	122	18.7	140	0	0		
Naphthalene	0.068	0.005	0.0150	0.01	0.0594	86	24.5	115	0	0		

Sample ID: 05060318-006AMSD		SampType: MSD		TestCode: SV_8310S_W		Units: mg/L		Prep Date: 6/14/2005		Run ID: HPLC INST. C_050614A		
Client ID: 107052		Batch ID: 25734		TestNo: SW8310				Analysis Date: 6/14/2005		SeqNo: 1020686		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.0076	0.001	0.00300	0.01	0	76	17.5	116	0.00838	9.76	40	
Anthracene	0.00892	0.0001	0.00030	0.01	0	89.2	55.5	111	0.00871	2.38	40	
Benzo(a)anthracene	0.00882	0.00003	0.00009	0.01	0	88.2	52	115	0.00864	2.06	40	
Benzo(a)pyrene	0.00941	0.00004	0.00012	0.01	0	94.1	46.8	122	0.00916	2.69	40	

Qual: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

NOTE: LIMS MDL and PQL are adjusted for dilutions.

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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Project: CHMGP/162363

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8310S_W

Sample ID: 05060318-006AMSD		SampType: MSD		TestCode: SV_8310S_W		Units: mg/L		Prep Date: 6/14/2005		Run ID: HPLC INST. C_050614A		
Client ID: 107052		Batch ID: 25734		TestNo: SW8310				Analysis Date: 6/14/2005		SeqNo: 1020686		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	0.0087	0.00005	0.00015	0.01	0	87	52.6	112	0.00845	2.92	40	
Benzo(g,h,i)perylene	0.00905	0.0001	0.00030	0.01	0	90.5	52.7	116	0.00883	2.46	40	
Benzo(k)fluoranthene	0.0088	0.00005	0.00015	0.01	0	88	51.1	118	0.00858	2.53	40	
Chrysene	0.00897	0.00015	0.00045	0.01	0	89.7	52.1	113	0.00869	3.17	40	
Dibenzo(a,h)anthracene	0.00878	0.00006	0.00018	0.01	0	87.8	53.6	110	0.00853	2.89	40	
Fluoranthene	0.00872	0.0003	0.00090	0.01	0	87.2	45.5	117	0.00855	1.97	40	
Fluorene	0.00851	0.0001	0.00030	0.01	0	85.1	31.7	104	0.00818	3.95	40	
Indeno(1,2,3-cd)pyrene	0.00864	0.0001	0.00030	0.01	0	86.4	52.1	117	0.00845	2.22	40	
Phenanthrene	0.0086	0.0002	0.00060	0.01	0	86	47.3	120	0.00843	2.00	40	
Pyrene	0.00892	0.0001	0.00030	0.01	0	89.2	51.2	108	0.00871	2.38	40	
Surr: Terphenyl-d14	0.00903	0	0	0.01	0	90.3	53.1	120	0	0	40	

Sample ID: 05060318-006AMSD		SampType: MSD		TestCode: SV_8310S_W		Units: mg/L		Prep Date: 6/14/2005		Run ID: HPLC INST. C_050614A		
Client ID: 107052		Batch ID: 25734		TestNo: SW8310				Analysis Date: 6/14/2005		SeqNo: 1020691		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	0.0561	0.0025	0.00750	0.01	0.0445	116	18.7	140	0.0567	1.06	40	
Naphthalene	0.0668	0.005	0.0150	0.01	0.0594	74	24.5	115	0.068	1.78	40	

Qual: 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

NOTE: LIMS MDL and PQL are adjusted for dilutions.

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ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: LCS-G050612-1		SampType: LCS1		TestCode: V_BTEX_W		Units: µg/L		Prep Date: 6/12/2005		Run ID: 5972 INST. G_050612A		
Client ID: ZZZZZ		Batch ID: 25716		TestNo: SW8260B				Analysis Date: 6/12/2005		SeqNo: 1018111		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46.6	0.5	2.0	50	0	93.2	77.4	120	0	0		
Toluene	46.3	1	5.0	50	0	92.6	81.6	118	0	0		
Ethylbenzene	53.9	1	5.0	50	0	107.8	78.5	122	0	0		
Naphthalene	51.3	2	10	50	2.2	98.2	70	130	0	0		
Xylenes, Total	107	1	5.0	100	0	107	80.7	122	0	0		
Surr: 1,2-Dichloroethane-d4	50.8	0	0	50	0	101.6	84.3	135	0	0		
Surr: 4-Bromofluorobenzene	49.5	0	0	50	0	99	81.1	113.3	0	0		
Surr: Dibromofluoromethane	49.2	0	0	50	0	98.4	88.9	121.2	0	0		
Surr: Toluene-d8	47.6	0	0	50	0	95.2	84.1	114.5	0	0		

Sample ID: MBLK-G050612-1		SampType: MBLK		TestCode: V_BTEX_W		Units: µg/L		Prep Date: 6/12/2005		Run ID: 5972 INST. G_050612A		
Client ID: ZZZZZ		Batch ID: 25716		TestNo: SW8260B				Analysis Date: 6/12/2005		SeqNo: 1018112		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.5	2.0									
Toluene	ND	1	5.0									
Ethylbenzene	ND	1	5.0									
Naphthalene	2.2	2	10									J
Xylenes, Total	ND	1	5.0									
Surr: 1,2-Dichloroethane-d4	48.7	0	0	50	0	97.4	84.3	135	0	0		
Surr: 4-Bromofluorobenzene	49.8	0	0	50	0	99.6	81.1	113.3	0	0		
Surr: Dibromofluoromethane	49.2	0	0	50	0	98.4	88.9	121.2	0	0		
Surr: Toluene-d8	47.8	0	0	50	0	95.6	84.1	114.5	0	0		

Sample ID: 05060318-006BMS		SampType: MS		TestCode: V_BTEX_W		Units: µg/L		Prep Date: 6/12/2005		Run ID: 5972 INST. G_050612A		
Client ID: 107052		Batch ID: 25716		TestNo: SW8260B				Analysis Date: 6/12/2005		SeqNo: 1018124		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	754	2.5	10	250	549	82	59.8	141	0	0		
Toluene	215	5	25.0	250	0	86	62.4	138	0	0		
Ethylbenzene	264	5	25.0	250	27.8	94.5	64.8	141	0	0		

Qual: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

NOTE: LIMS MDL and PQL are adjusted for dilutions.

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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ANALYTICAL QC SUMMARY REPORT

TestCode: V_BTEX_W

Sample ID: 05060318-006BMS		SampType: MS		TestCode: V_BTEX_W		Units: µg/L		Prep Date: 6/12/2005		Run ID: 5972 INST. G_050612A		
Client ID: 107052		Batch ID: 25716		TestNo: SW8260B				Analysis Date: 6/12/2005		SeqNo: 1018124		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	532	5	25.0	500	49.2	96.6	51.2	157	0	0		
Surr: 1,2-Dichloroethane-d4	241	0	0	250	0	96.4	84.3	135	0	0		
Surr: 4-Bromofluorobenzene	247	0	0	250	0	98.8	81.1	113.3	0	0		
Surr: Dibromofluoromethane	248	0	0	250	0	99.2	88.9	121.2	0	0		
Surr: Toluene-d8	244	0	0	250	0	97.6	84.1	114.5	0	0		

Sample ID: 05060318-006BMSD		SampType: MSD		TestCode: V_BTEX_W		Units: µg/L		Prep Date: 6/12/2005		Run ID: 5972 INST. G_050612A		
Client ID: 107052		Batch ID: 25716		TestNo: SW8260B				Analysis Date: 6/13/2005		SeqNo: 1018125		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	801	2.5	10	250	549	100.8	59.8	141	754	6.04	15	
Toluene	268	5	25.0	250	0	107.2	62.4	138	215	21.9	15	R
Ethylbenzene	319	5	25.0	250	27.8	116.5	64.8	141	264	18.9	15	R
Xylenes, Total	634	5	25.0	500	49.2	117	51.2	157	532	17.5	15	R
Surr: 1,2-Dichloroethane-d4	236	0	0	250	0	94.4	84.3	135	0	0	0	
Surr: 4-Bromofluorobenzene	245	0	0	250	0	98	81.1	113.3	0	0	0	
Surr: Dibromofluoromethane	247	0	0	250	0	98.8	88.9	121.2	0	0	0	
Surr: Toluene-d8	240	0	0	250	0	96	84.1	114.5	0	0	0	

Qual: 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

NOTE: LIMS MDL and PQL are adjusted for dilutions.