

CLIENT: Kelron Environmental  
 Work Order: 05030451  
 Project: CHMGP/62400674

**ANALYTICAL QC SUMMARY REPORT**

TestCode: SV\_8310S\_W

Sample ID: <b>MB-24516</b>	SampType: <b>MBLK</b>	TestCode: <b>SV_8310S_W</b>	Units: <b>mg/L</b>	Prep Date: <b>3/18/2005</b>	Run ID: <b>HPLC INST. C_050318A</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24516</b>	TestNo: <b>SW8310</b>		Analysis Date: <b>3/18/2005</b>	SeqNo: <b>956981</b>							
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	0.00838	0	0	0.01	0	83.8	58.3	113	0	0		

Sample ID: <b>MB-24531</b>	SampType: <b>MBLK</b>	TestCode: <b>SV_8310S_W</b>	Units: <b>mg/L</b>	Prep Date: <b>3/21/2005</b>	Run ID: <b>HPLC INST. C_050321A</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24531</b>	TestNo: <b>SW8310</b>		Analysis Date: <b>3/21/2005</b>	SeqNo: <b>958117</b>							
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									

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

NOTE: LIMS MDL and PQL are adjusted for dilutions.

B - Analyte detected in the associated Method Blank

**CLIENT:** Kelron Environmental  
**Work Order:** 05030451  
**Project:** CHMGP/62400674

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8310S\_W**

Sample ID: <b>MB-24531</b>	SampType: <b>MBLK</b>	TestCode: <b>SV_8310S_W</b>	Units: <b>mg/L</b>	Prep Date: <b>3/21/2005</b>	Run ID: <b>HPLC INST. C_050321A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24531</b>	TestNo: <b>SW8310</b>		Analysis Date: <b>3/21/2005</b>	SeqNo: <b>958117</b>

Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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	0.00729	0	0	0.01	0	72.9	58.3	113	0	0		

Sample ID: <b>LCS-24516</b>	SampType: <b>LCS</b>	TestCode: <b>SV_8310S_W</b>	Units: <b>mg/L</b>	Prep Date: <b>3/18/2005</b>	Run ID: <b>HPLC INST. C_050318A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24516</b>	TestNo: <b>SW8310</b>		Analysis Date: <b>3/18/2005</b>	SeqNo: <b>956982</b>

Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00735	0.001	0.00300	0.01	0	73.5	49.8	93.3	0	0		
Acenaphthylene	0.0068	0.0005	0.00150	0.01	0	68	43.3	94.4	0	0		
Anthracene	0.00801	0.0001	0.00030	0.01	0	80.1	62.5	103	0	0		
Benzo(a)anthracene	0.00759	0.00003	0.00009	0.01	0	75.9	63.9	98.4	0	0		
Benzo(a)pyrene	0.00728	0.00004	0.00012	0.01	0	72.8	53.8	109	0	0		
Benzo(b)fluoranthene	0.00722	0.00005	0.00015	0.01	0	72.2	64.5	96.9	0	0		
Benzo(g,h,i)perylene	0.00778	0.0001	0.00030	0.01	0	77.8	63.3	107	0	0		
Benzo(k)fluoranthene	0.00741	0.00005	0.00015	0.01	0	74.1	64.1	104	0	0		
Chrysene	0.00754	0.00015	0.00045	0.01	0	75.4	62.2	97.7	0	0		
Dibenzo(a,h)anthracene	0.0075	0.00006	0.00018	0.01	0	75	63.9	100	0	0		
Fluoranthene	0.00745	0.0003	0.00090	0.01	0	74.5	63	98.6	0	0		
Fluorene	0.0071	0.0001	0.00030	0.01	0	71	46.6	92.4	0	0		
Indeno(1,2,3-cd)pyrene	0.00767	0.0001	0.00030	0.01	0	76.7	63.5	104	0	0		
Naphthalene	0.00607	0.001	0.00300	0.01	0	60.7	44.6	90.6	0	0		
Phenanthrene	0.00755	0.0002	0.00060	0.01	0	75.5	56.9	98.6	0	0		
Pyrene	0.00729	0.0001	0.00030	0.01	0	72.9	57.6	88	0	0		
Surr: Terphenyl-d14	0.00823	0	0	0.01	0	82.3	58.3	113	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

**CLIENT:** Kelron Environmental  
**Work Order:** 05030451  
**Project:** CHMGP/62400674

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8310S\_W**

Sample ID: <b>LCS-24531</b>	SampType: <b>LCS</b>	TestCode: <b>SV_8310S_W</b>	Units: <b>mg/L</b>	Prep Date: <b>3/21/2005</b>	Run ID: <b>HPLC INST. C_050321A</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24531</b>	TestNo: <b>SW8310</b>		Analysis Date: <b>3/21/2005</b>	SeqNo: <b>958118</b>							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00545	0.001	0.00300	0.01	0	54.5	49.8	93.3	0	0		
Acenaphthylene	0.00568	0.0005	0.00150	0.01	0	56.8	43.3	94.4	0	0		
Anthracene	0.00678	0.0001	0.00030	0.01	0	67.8	62.5	103	0	0		
Benzo(a)anthracene	0.00674	0.00003	0.00009	0.01	0	67.4	63.9	98.4	0	0		
Benzo(a)pyrene	0.007	0.00004	0.00012	0.01	0	70	53.8	109	0	0		
Benzo(b)fluoranthene	0.00674	0.00005	0.00015	0.01	0	67.4	64.5	96.9	0	0		
Benzo(g,h,i)perylene	0.00723	0.0001	0.00030	0.01	0	72.3	63.3	107	0	0		
Benzo(k)fluoranthene	0.00706	0.00005	0.00015	0.01	0	70.6	64.1	104	0	0		
Chrysene	0.0067	0.00015	0.00045	0.01	0	67	62.2	97.7	0	0		
Dibenzo(a,h)anthracene	0.00705	0.00006	0.00018	0.01	0	70.5	63.9	100	0	0		
Fluoranthene	0.00653	0.0003	0.00090	0.01	0	65.3	63	98.6	0	0		
Fluorene	0.00589	0.0001	0.00030	0.01	0	58.9	46.6	92.4	0	0		
Indeno(1,2,3-cd)pyrene	0.00767	0.0001	0.00030	0.01	0	76.7	63.5	104	0	0		
Naphthalene	0.00558	0.001	0.00300	0.01	0	55.8	44.6	90.6	0	0		
Phenanthrene	0.00639	0.0002	0.00060	0.01	0	63.9	56.9	98.6	0	0		
Pyrene	0.00644	0.0001	0.00030	0.01	0	64.4	57.6	88	0	0		
Surr: Terphenyl-d14	0.00754	0	0	0.01	0	75.4	58.3	113	0	0		

Sample ID: <b>LCS DUP-24516</b>	SampType: <b>LCS D</b>	TestCode: <b>SV_8310S_W</b>	Units: <b>mg/L</b>	Prep Date: <b>3/18/2005</b>	Run ID: <b>HPLC INST. C_050318A</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24516</b>	TestNo: <b>SW8310</b>		Analysis Date: <b>3/18/2005</b>	SeqNo: <b>956983</b>							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00708	0.001	0.00300	0.01	0	70.8	49.8	93.3	0.00735	3.74	26.2	
Acenaphthylene	0.00672	0.0005	0.00150	0.01	0	67.2	43.3	94.4	0.0068	1.18	25.7	
Anthracene	0.00805	0.0001	0.00030	0.01	0	80.5	62.5	103	0.00801	0.498	18.2	
Benzo(a)anthracene	0.00789	0.00003	0.00009	0.01	0	78.9	63.9	98.4	0.00759	3.88	15	
Benzo(a)pyrene	0.00842	0.00004	0.00012	0.01	0	84.2	53.8	109	0.00728	14.5	15.1	
Benzo(b)fluoranthene	0.00762	0.00005	0.00015	0.01	0	76.2	64.5	96.9	0.00722	5.39	15.8	
Benzo(g,h,i)perylene	0.00807	0.0001	0.00030	0.01	0	80.7	63.3	107	0.00778	3.66	16.4	
Benzo(k)fluoranthene	0.0077	0.00005	0.00015	0.01	0	77	64.1	104	0.00741	3.84	15.2	
Chrysene	0.0078	0.00015	0.00045	0.01	0	78	62.2	97.7	0.00754	3.39	15.9	

**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

**CLIENT:** Kelron Environmental  
**Work Order:** 05030451  
**Project:** CHMGP/62400674

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8310S\_W**

Sample ID: <b>LCSDUP-24516</b>	SampType: <b>LCSD</b>	TestCode: <b>SV_8310S_W</b>	Units: <b>mg/L</b>	Prep Date: <b>3/18/2005</b>	Run ID: <b>HPLC INST. C_050318A</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24516</b>	TestNo: <b>SW8310</b>		Analysis Date: <b>3/18/2005</b>	SeqNo: <b>956983</b>							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzo(a,h)anthracene	0.00779	0.00006	0.00018	0.01	0	77.9	63.9	100	0.0075	3.79	16.3	
Fluoranthene	0.00763	0.0003	0.00090	0.01	0	76.3	63	98.6	0.00745	2.39	16.8	
Fluorene	0.00707	0.0001	0.00030	0.01	0	70.7	46.6	92.4	0.0071	0.423	27.5	
Indeno(1,2,3-cd)pyrene	0.00793	0.0001	0.00030	0.01	0	79.3	63.5	104	0.00767	3.33	15.8	
Naphthalene	0.00625	0.001	0.00300	0.01	0	62.5	44.6	90.6	0.00607	2.92	25	
Phenanthrene	0.0076	0.0002	0.00060	0.01	0	76	56.9	98.6	0.00755	0.660	23.2	
Pyrene	0.00756	0.0001	0.00030	0.01	0	75.6	57.6	88	0.00729	3.64	16.7	
Surr: Terphenyl-d14	0.0083	0	0	0.01	0	83	58.3	113	0	0	20	

Sample ID: <b>LCSDUP-24531</b>	SampType: <b>LCSD</b>	TestCode: <b>SV_8310S_W</b>	Units: <b>mg/L</b>	Prep Date: <b>3/21/2005</b>	Run ID: <b>HPLC INST. C_050321A</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24531</b>	TestNo: <b>SW8310</b>		Analysis Date: <b>3/21/2005</b>	SeqNo: <b>958119</b>							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00597	0.001	0.00300	0.01	0	59.7	49.8	93.3	0.00545	9.10	26.2	
Acenaphthylene	0.00551	0.0005	0.00150	0.01	0	55.1	43.3	94.4	0.00568	3.04	25.7	
Anthracene	0.00647	0.0001	0.00030	0.01	0	64.7	62.5	103	0.00678	4.68	18.2	
Benzo(a)anthracene	0.0064	0.00003	0.00009	0.01	0	64	63.9	98.4	0.00674	5.18	15	
Benzo(a)pyrene	0.00652	0.00004	0.00012	0.01	0	65.2	53.8	109	0.007	7.10	15.1	
Benzo(b)fluoranthene	0.00664	0.00005	0.00015	0.01	0	66.4	64.5	96.9	0.00674	1.50	15.8	
Benzo(g,h,i)perylene	0.00707	0.0001	0.00030	0.01	0	70.7	63.3	107	0.00723	2.24	16.4	
Benzo(k)fluoranthene	0.00659	0.00005	0.00015	0.01	0	65.9	64.1	104	0.00706	6.88	15.2	
Chrysene	0.00635	0.00015	0.00045	0.01	0	63.5	62.2	97.7	0.0067	5.36	15.9	
Dibenzo(a,h)anthracene	0.00657	0.00006	0.00018	0.01	0	65.7	63.9	100	0.00705	7.05	16.3	
Fluoranthene	0.00621	0.0003	0.00090	0.01	0	62.1	63	98.6	0.00653	5.02	16.8	S
Fluorene	0.00556	0.0001	0.00030	0.01	0	55.6	46.6	92.4	0.00589	5.76	27.5	
Indeno(1,2,3-cd)pyrene	0.00732	0.0001	0.00030	0.01	0	73.2	63.5	104	0.00767	4.67	15.8	
Naphthalene	0.00572	0.001	0.00300	0.01	0	57.2	44.6	90.6	0.00558	2.48	25	
Phenanthrene	0.00611	0.0002	0.00060	0.01	0	61.1	56.9	98.6	0.00639	4.48	23.2	
Pyrene	0.00613	0.0001	0.00030	0.01	0	61.3	57.6	88	0.00644	4.93	16.7	
Surr: Terphenyl-d14	0.00691	0	0	0.01	0	69.1	58.3	113	0	0	20	

**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

**CLIENT:** Kelron Environmental  
**Work Order:** 05030451  
**Project:** CHMGP/62400674

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8310S\_W**

Sample ID: <b>05030451-006AMS</b>		SampType: <b>MS</b>		TestCode: <b>SV_8310S_W</b>		Units: <b>mg/L</b>		Prep Date: <b>3/21/2005</b>		Run ID: <b>HPLC INST. C_050321A</b>		
Client ID: <b>107051</b>		Batch ID: <b>24531</b>		TestNo: <b>SW8310</b>				Analysis Date: <b>3/21/2005</b>		SeqNo: <b>958121</b>		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00736	0.001	0.00300	0.0111	0	66.3	34.3	103	0	0		
Anthracene	0.00903	0.0001	0.00030	0.0111	0	81.4	62.5	106	0	0		
Benzo(a)anthracene	0.00873	0.00003	0.00009	0.0111	0	78.6	63.9	102	0	0		
Benzo(a)pyrene	0.00974	0.00004	0.00012	0.0111	0	87.7	53.8	109	0	0		
Benzo(b)fluoranthene	0.00848	0.00005	0.00015	0.0111	0	76.4	64.5	97.7	0	0		
Benzo(g,h,i)perylene	0.00975	0.0001	0.00030	0.0111	0	87.8	61.5	107	0	0		
Benzo(k)fluoranthene	0.00856	0.00005	0.00015	0.0111	0	77.1	64.1	105	0	0		
Chrysene	0.00861	0.00015	0.00045	0.0111	0	77.6	62.2	99.2	0	0		
Dibenzo(a,h)anthracene	0.00855	0.00006	0.00018	0.0111	0	77	63.9	100	0	0		
Fluoranthene	0.0085	0.0003	0.00090	0.0111	0	76.6	54.2	105	0	0		
Fluorene	0.00797	0.0001	0.00030	0.0111	0	71.8	30.2	97.9	0	0		
Indeno(1,2,3-cd)pyrene	0.00974	0.0001	0.00030	0.0111	0	87.7	63.5	104	0	0		
Phenanthrene	0.00852	0.0002	0.00060	0.0111	0	76.8	54.9	106	0	0		
Pyrene	0.00821	0.0001	0.00030	0.0111	0	74	57.6	93.2	0	0		
Surr: Terphenyl-d14	0.00931	0	0	0.0111	0	83.9	56.3	117	0	0		

Sample ID: <b>05030451-006AMS</b>		SampType: <b>MS</b>		TestCode: <b>SV_8310S_W</b>		Units: <b>mg/L</b>		Prep Date: <b>3/21/2005</b>		Run ID: <b>HPLC INST. C_050321A</b>		
Client ID: <b>107051</b>		Batch ID: <b>24531</b>		TestNo: <b>SW8310</b>				Analysis Date: <b>3/21/2005</b>		SeqNo: <b>958125</b>		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	ND	0.0025	0.00750	0.0111	0	0	36.9	109	0	0		S
Naphthalene	0.0647	0.005	0.0150	0.0111	0.0532	103.6	19.7	112	0	0		

Sample ID: <b>05030451-006AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>SV_8310S_W</b>		Units: <b>mg/L</b>		Prep Date: <b>3/21/2005</b>		Run ID: <b>HPLC INST. C_050321A</b>		
Client ID: <b>107051</b>		Batch ID: <b>24531</b>		TestNo: <b>SW8310</b>				Analysis Date: <b>3/21/2005</b>		SeqNo: <b>958122</b>		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.00703	0.001	0.00300	0.0111	0	63.3	34.3	103	0.00736	4.59	40	
Anthracene	0.00882	0.0001	0.00030	0.0111	0	79.5	62.5	106	0.00903	2.35	40	
Benzo(a)anthracene	0.00852	0.00003	0.00009	0.0111	0	76.8	63.9	102	0.00873	2.43	40	
Benzo(a)pyrene	0.00967	0.00004	0.00012	0.0111	0	87.1	53.8	109	0.00974	0.721	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

**CLIENT:** Kelron Environmental  
**Work Order:** 05030451  
**Project:** CHMGP/62400674

## ANALYTICAL QC SUMMARY REPORT

**TestCode: SV\_8310S\_W**

Sample ID: <b>05030451-006AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>SV_8310S_W</b>		Units: <b>mg/L</b>		Prep Date: <b>3/21/2005</b>		Run ID: <b>HPLC INST. C_050321A</b>		
Client ID: <b>107051</b>		Batch ID: <b>24531</b>		TestNo: <b>SW8310</b>				Analysis Date: <b>3/21/2005</b>		SeqNo: <b>958122</b>		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	0.00831	0.00005	0.00015	0.0111	0	74.9	64.5	97.7	0.00848	2.03	40	
Benzo(g,h,i)perylene	0.00939	0.0001	0.00030	0.0111	0	84.6	61.5	107	0.00975	3.76	40	
Benzo(k)fluoranthene	0.00839	0.00005	0.00015	0.0111	0	75.6	64.1	105	0.00856	2.01	40	
Chrysene	0.00858	0.00015	0.00045	0.0111	0	77.3	62.2	99.2	0.00861	0.349	40	
Dibenzo(a,h)anthracene	0.00846	0.00006	0.00018	0.0111	0	76.2	63.9	100	0.00855	1.06	40	
Fluoranthene	0.00835	0.0003	0.00090	0.0111	0	75.2	54.2	105	0.0085	1.78	40	
Fluorene	0.00783	0.0001	0.00030	0.0111	0	70.5	30.2	97.9	0.00797	1.77	40	
Indeno(1,2,3-cd)pyrene	0.00965	0.0001	0.00030	0.0111	0	86.9	63.5	104	0.00974	0.928	40	
Phenanthrene	0.00842	0.0002	0.00060	0.0111	0	75.9	54.9	106	0.00852	1.18	40	
Pyrene	0.00801	0.0001	0.00030	0.0111	0	72.2	57.6	93.2	0.00821	2.47	40	
Surr: Terphenyl-d14	0.00952	0	0	0.0111	0	85.8	56.3	117	0	0	40	

Sample ID: <b>05030451-006AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>SV_8310S_W</b>		Units: <b>mg/L</b>		Prep Date: <b>3/21/2005</b>		Run ID: <b>HPLC INST. C_050321A</b>		
Client ID: <b>107051</b>		Batch ID: <b>24531</b>		TestNo: <b>SW8310</b>				Analysis Date: <b>3/21/2005</b>		SeqNo: <b>958126</b>		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	ND	0.0025	0.00750	0.0111	0	0	36.9	109	0	0	40	S
Naphthalene	0.0642	0.005	0.0150	0.0111	0.0532	99.1	19.7	112	0.0647	0.776	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.

**CLIENT:** Kelron Environmental  
**Work Order:** 05030451  
**Project:** CHMGP/62400674

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_W**

Sample ID: <b>LCS-A050319-1</b>		SampType: <b>LCS1</b>		TestCode: <b>V_BTEX_W</b>		Units: <b>µg/L</b>		Prep Date: <b>3/19/2005</b>		Run ID: <b>5971 INST. A_050319A</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>24551</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>3/19/2005</b>		SeqNo: <b>957364</b>		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48.3	0.5	2.0	50	0	96.6	77.4	120	0	0		
Toluene	50.8	1	5.0	50	0	101.6	81.6	118	0	0		
Ethylbenzene	54.9	1	5.0	50	0	109.8	78.5	122	0	0		
Naphthalene	58	2	10	50	0	116	70	130	0	0		
Xylenes, Total	114	1	5.0	100	0	114	80.7	122	0	0		
Surr: 1,2-Dichloroethane-d4	47.4	0	0	50	0	94.8	84.3	135	0	0		
Surr: 4-Bromofluorobenzene	48.5	0	0	50	0	97	81.1	113.3	0	0		
Surr: Dibromofluoromethane	47.3	0	0	50	0	94.6	88.9	121.2	0	0		
Surr: Toluene-d8	48.2	0	0	50	0	96.4	84.1	114.5	0	0		

Sample ID: <b>LCS-A050320-1</b>		SampType: <b>LCS1</b>		TestCode: <b>V_BTEX_W</b>		Units: <b>µg/L</b>		Prep Date: <b>3/20/2005</b>		Run ID: <b>5971 INST. A_050320A</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>24555</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>3/20/2005</b>		SeqNo: <b>957780</b>		
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	48	0.5	2.0	50	0	96	77.4	120	0	0		
Toluene	53.6	1	5.0	50	0	107.2	81.6	118	0	0		
Ethylbenzene	56.5	1	5.0	50	0	113	78.5	122	0	0		
Naphthalene	59.1	2	10	50	0	118.2	70	130	0	0		
Xylenes, Total	115	1	5.0	100	0	115	80.7	122	0	0		
Surr: 1,2-Dichloroethane-d4	48	0	0	50	0	96	84.3	135	0	0		
Surr: 4-Bromofluorobenzene	48.2	0	0	50	0	96.4	81.1	113.3	0	0		
Surr: Dibromofluoromethane	47	0	0	50	0	94	88.9	121.2	0	0		
Surr: Toluene-d8	50.2	0	0	50	0	100.4	84.1	114.5	0	0		

Sample ID: <b>MBLK-A050319-1</b>		SampType: <b>MBLK</b>		TestCode: <b>V_BTEX_W</b>		Units: <b>µg/L</b>		Prep Date: <b>3/19/2005</b>		Run ID: <b>5971 INST. A_050319A</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>24551</b>		TestNo: <b>SW8260B</b>				Analysis Date: <b>3/19/2005</b>		SeqNo: <b>957365</b>		
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									

**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

**CLIENT:** Kelron Environmental  
**Work Order:** 05030451  
**Project:** CHMGP/62400674

## ANALYTICAL QC SUMMARY REPORT

**TestCode: V\_BTEX\_W**

Sample ID: <b>MBLK-A050319-1</b>	SampType: <b>MBLK</b>	TestCode: <b>V_BTEX_W</b>	Units: <b>µg/L</b>	Prep Date: <b>3/19/2005</b>	Run ID: <b>5971 INST. A_050319A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24551</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>3/19/2005</b>	SeqNo: <b>957365</b>

Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2	10									
Xylenes, Total	ND	1	5.0									
Surr: 1,2-Dichloroethane-d4	48.5	0	0	50	0	97	84.3	135	0	0		
Surr: 4-Bromofluorobenzene	46.2	0	0	50	0	92.4	81.1	113.3	0	0		
Surr: Dibromofluoromethane	45.3	0	0	50	0	90.6	88.9	121.2	0	0		
Surr: Toluene-d8	52.1	0	0	50	0	104.2	84.1	114.5	0	0		

Sample ID: <b>MBLK-A050320-1</b>	SampType: <b>MBLK</b>	TestCode: <b>V_BTEX_W</b>	Units: <b>µg/L</b>	Prep Date: <b>3/20/2005</b>	Run ID: <b>5971 INST. A_050320A</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>24555</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>3/20/2005</b>	SeqNo: <b>957781</b>

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	ND	2	10									
Xylenes, Total	ND	1	5.0									
Surr: 1,2-Dichloroethane-d4	50	0	0	50	0	100	84.3	135	0	0		
Surr: 4-Bromofluorobenzene	45.5	0	0	50	0	91	81.1	113.3	0	0		
Surr: Dibromofluoromethane	47.5	0	0	50	0	95	88.9	121.2	0	0		
Surr: Toluene-d8	50.7	0	0	50	0	101.4	84.1	114.5	0	0		

Sample ID: <b>05030451-006BMS</b>	SampType: <b>MS</b>	TestCode: <b>V_BTEX_W</b>	Units: <b>µg/L</b>	Prep Date: <b>3/19/2005</b>	Run ID: <b>5971 INST. A_050319A</b>
Client ID: <b>107051</b>	Batch ID: <b>24551</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>3/19/2005</b>	SeqNo: <b>957368</b>

Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	796	0.5	2.0	56	731	116.1	70.8	122	0	0		E
Toluene	63.5	1	5.0	56	4	106.2	77.2	117	0	0		
Ethylbenzene	97.3	1	5.0	56	36	109.5	81	113	0	0		
Xylenes, Total	193	1	5.0	112	64.1	115.1	80.3	116	0	0		
Surr: 1,2-Dichloroethane-d4	49.2	0	0	50	0	98.4	84.3	135	0	0		
Surr: 4-Bromofluorobenzene	50	0	0	50	0	100	81.1	113.3	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



**CLIENT:** Kelron Environmental  
**Work Order:** 05030451  
**Project:** CHMGP/62400674

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** V\_BTEX\_W

Sample ID: <b>05030451-006BMS</b>	SampType: <b>MS</b>	TestCode: <b>V_BTEX_W</b>	Units: <b>µg/L</b>	Prep Date: <b>3/19/2005</b>	Run ID: <b>5971 INST. A_050319A</b>							
Client ID: <b>107051</b>	Batch ID: <b>24551</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>3/19/2005</b>	SeqNo: <b>957368</b>							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	45.3	0	0	50	0	90.6	88.9	121.2	0	0		
Surr: Toluene-d8	50.9	0	0	50	0	101.8	84.1	114.5	0	0		

Sample ID: <b>05030451-006BMSD</b>	SampType: <b>MSD</b>	TestCode: <b>V_BTEX_W</b>	Units: <b>µg/L</b>	Prep Date: <b>3/19/2005</b>	Run ID: <b>5971 INST. A_050319A</b>							
Client ID: <b>107051</b>	Batch ID: <b>24551</b>	TestNo: <b>SW8260B</b>		Analysis Date: <b>3/19/2005</b>	SeqNo: <b>957369</b>							
Analyte	Result	LIMS MDL	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	786	0.5	2.0	56	731	98.2	70.8	122	796	1.26	15	E
Toluene	60	1	5.0	56	4	100	77.2	117	63.5	5.67	15	
Ethylbenzene	92	1	5.0	56	36	100	81	113	97.3	5.60	15	
Xylenes, Total	188	1	5.0	112	64.1	110.6	80.3	116	193	2.63	15	
Surr: 1,2-Dichloroethane-d4	48.6	0	0	50	0	97.2	84.3	135	0	0	0	
Surr: 4-Bromofluorobenzene	49.8	0	0	50	0	99.6	81.1	113.3	0	0	0	
Surr: Dibromofluoromethane	45	0	0	50	0	90	88.9	121.2	0	0	0	
Surr: Toluene-d8	50.1	0	0	50	0	100.2	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.