



# MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive  
Suite 100  
Monrovia, California 91016-3629  
Tel: 626 568 6400  
Fax: 626 568 6324  
1 800 566 LABS (1 800 566 5227)

## Laboratory Report

for

Tronox LLC - Henderson  
PO Box 55

Henderson , NV 89009

Attention: Susan Crowley  
Fax: (405) 302-4607



ADE Andy Eaton  
Project Manager

Report#: 198847  
Project: CLO4  
PO#: Susan Crowle

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 16 page[s].



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**Report  
Comments  
#198847**

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**Client Specific Comments**

I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.

Client Signature: \_\_\_\_\_

**(QC Ref#: 2703160165)**

**Test: Total Dissolved Solid (TDS) (SM 2540C)**

H1-Sample analysis performed past holding time. Data not acceptable for regulatory compliance

**(QC Ref#: 2703160166)**

**Test: Total Dissolved Solid (TDS) (SM 2540C)**

H1-Sample analysis performed past holding time. Data not acceptable for regulatory compliance



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 Hits Report  
 #198847

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 Susan Crowley  
 PO Box 55  
 Henderson , NV 89009

Samples Received  
 16-mar-2007 13:54:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2703160140</b>	<b>M-83</b>				
03/20/07	Perchlorate		5830		ug/l	2000
03/19/07	Total Dissolved Solid (TDS)		1430	500	mg/l	10
	<b>2703160141</b>	<b>M-87</b>				
03/20/07	Perchlorate		118000		ug/l	20000
03/19/07	Total Dissolved Solid (TDS)		1990	500	mg/l	10
	<b>2703160142</b>	<b>PC-98R</b>				
03/20/07	Perchlorate		26900		ug/l	2000
03/19/07	Total Dissolved Solid (TDS)		7480	500	mg/l	10
	<b>2703160143</b>	<b>PC-86</b>				
03/20/07	Perchlorate		3910		ug/l	400
03/19/07	Total Dissolved Solid (TDS)		3420	500	mg/l	10
	<b>2703160144</b>	<b>PC-90</b>				
03/20/07	Perchlorate		4840		ug/l	2000
03/19/07	Total Dissolved Solid (TDS)		6010	500	mg/l	10
	<b>2703160145</b>	<b>PC-56</b>				
03/20/07	Perchlorate		5330		ug/l	2000
03/19/07	Total Dissolved Solid (TDS)		3620	500	mg/l	10
	<b>2703160146</b>	<b>PC-58</b>				

SUMMARY OF POSITIVE DATA ONLY.



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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2703160146</b>	<b>PC-58</b>				
03/20/07	Perchlorate		3230		ug/l	800
03/19/07	Total Dissolved Solid (TDS)		5560	500	mg/l	10
	<b>2703160147</b>	<b>PC-59</b>				
03/20/07	Perchlorate		6380		ug/l	800
03/19/07	Total Dissolved Solid (TDS)		5170	500	mg/l	10
	<b>2703160148</b>	<b>PC-60</b>				
03/21/07	Perchlorate		4350		ug/l	800
03/19/07	Total Dissolved Solid (TDS)		3930	500	mg/l	10
	<b>2703160149</b>	<b>PC-62</b>				
03/21/07	Perchlorate		2330		ug/l	400
03/19/07	Total Dissolved Solid (TDS)		3220	500	mg/l	10
	<b>2703160150</b>	<b>PC-68</b>				
03/21/07	Perchlorate		49		ug/l	10
03/19/07	Total Dissolved Solid (TDS)		2240	500	mg/l	10
	<b>2703160151</b>	<b>PC-122</b>				
03/21/07	Perchlorate		10700		ug/l	2000
03/19/07	Total Dissolved Solid (TDS)		11200	500	mg/l	10
	<b>2703160152</b>	<b>PC-91</b>				

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2703160152</b>	<b>PC-91</b>				
03/21/07	Perchlorate		8690		ug/l	2000
03/19/07	Total Dissolved Solid (TDS)		7670	500	mg/l	10
	<b>2703160153</b>	<b>PC-95</b>				
03/21/07	Perchlorate		353		ug/l	80
03/19/07	Total Dissolved Solid (TDS)		2560	500	mg/l	10
	<b>2703160154</b>	<b>PC-97</b>				
03/21/07	Perchlorate		1980		ug/l	200
03/19/07	Total Dissolved Solid (TDS)		2860	500	mg/l	10
	<b>2703160155</b>	<b>PC-17</b>				
03/21/07	Perchlorate		330000		ug/l	20000
03/19/07	Total Dissolved Solid (TDS)		10100	500	mg/l	10
	<b>2703160156</b>	<b>PC-18</b>				
03/21/07	Perchlorate		267000		ug/l	20000
03/19/07	Total Dissolved Solid (TDS)		10300	500	mg/l	10
	<b>2703160157</b>	<b>PC-55</b>				
03/21/07	Perchlorate		1520		ug/l	200
03/19/07	Total Dissolved Solid (TDS)		8070	500	mg/l	10
	<b>2703160158</b>	<b>PC-101R</b>				

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	<b>2703160158</b>	<b>PC-101R</b>				
03/21/07	Perchlorate		96800		ug/l	20000
03/19/07	Total Dissolved Solid (TDS)		8860	500	mg/l	10
	<b>2703160159</b>	<b>L-635</b>				
03/19/07	Total Dissolved Solid (TDS)		7360	500	mg/l	10
	<b>2703160160</b>	<b>L-637</b>				
03/21/07	Perchlorate		23		ug/l	4.0
03/19/07	Total Dissolved Solid (TDS)		6960	500	mg/l	10
	<b>2703160161</b>	<b>MWK-4</b>				
03/21/07	Perchlorate		171000		ug/l	20000
03/19/07	Total Dissolved Solid (TDS)		7350	500	mg/l	10
	<b>2703160162</b>	<b>ARP-1</b>				
03/21/07	Perchlorate		167		ug/l	40
03/19/07	Total Dissolved Solid (TDS)		6270	500	mg/l	10
	<b>2703160163</b>	<b>ARP-2</b>				
03/21/07	Perchlorate		1290		ug/l	200
03/19/07	Total Dissolved Solid (TDS)		7230	500	mg/l	10
	<b>2703160164</b>	<b>ARP-3</b>				
03/21/07	Perchlorate		42500		ug/l	4000

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Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2703160164</b>	<b>ARP-3</b>				
03/19/07	Total Dissolved Solid (TDS)		13200	500	mg/l	10
	<b>2703160165</b>	<b>ARP-4</b>				
03/21/07	Perchlorate		33000		ug/l	4000
03/19/07	Total Dissolved Solid (TDS)		5380	500	mg/l	10
	<b>2703160166</b>	<b>ARP-6A</b>				
03/21/07	Perchlorate		18200		ug/l	4000
03/19/07	Total Dissolved Solid (TDS)		10800	500	mg/l	10
	<b>2703160167</b>	<b>ARP-7</b>				
03/21/07	Perchlorate		4550		ug/l	400
03/19/07	Total Dissolved Solid (TDS)		5620	500	mg/l	10
	<b>2703160168</b>	<b>PC-53</b>				
03/21/07	Perchlorate		3610		ug/l	400
03/19/07	Total Dissolved Solid (TDS)		4550	500	mg/l	10
	<b>2703160169</b>	<b>PC-103</b>				
03/21/07	Perchlorate		5360		ug/l	400
03/19/07	Total Dissolved Solid (TDS)		4690	500	mg/l	10
	<b>2703160176</b>	<b>MWK-5</b>				
03/21/07	Perchlorate		19000		ug/l	2000

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16-mar-2007 13:54:00

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2703160176	MWK-5				
03/19/07	Total Dissolved Solid (TDS)		7300	500	mg/l	10





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Samples Received  
 03/16/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>M-83 (2703160140)      Sampled on 03/15/07 08:08</b>								
	03/20/07 00:00	358352	( EPA 314 )	Perchlorate	5830	ug/l	2000	500
03/19/07	03/19/07 18:27	358105	( SM 2540C )	Total Dissolved Solid (TDS)	1430	mg/l	10	1
<b>M-87 (2703160141)      Sampled on 03/15/07 07:48</b>								
	03/20/07 00:00	358352	( EPA 314 )	Perchlorate	118000	ug/l	20000	5000
03/19/07	03/19/07 18:27	358105	( SM 2540C )	Total Dissolved Solid (TDS)	1990	mg/l	10	1
<b>PC-98R (2703160142)      Sampled on 03/15/07 09:55</b>								
	03/20/07 00:00	358352	( EPA 314 )	Perchlorate	26900	ug/l	2000	500
03/19/07	03/19/07 18:55	358106	( SM 2540C )	Total Dissolved Solid (TDS)	7480	mg/l	10	1
<b>PC-86 (2703160143)      Sampled on 03/14/07 08:46</b>								
	03/20/07 00:00	358352	( EPA 314 )	Perchlorate	3910	ug/l	400	100
03/19/07	03/19/07 18:27	358105	( SM 2540C )	Total Dissolved Solid (TDS)	3420	mg/l	10	1
<b>PC-90 (2703160144)      Sampled on 03/14/07 09:06</b>								
	03/20/07 00:00	358352	( EPA 314 )	Perchlorate	4840	ug/l	2000	500
03/19/07	03/19/07 18:27	358105	( SM 2540C )	Total Dissolved Solid (TDS)	6010	mg/l	10	1
<b>PC-56 (2703160145)      Sampled on 03/12/07 08:35</b>								
	03/20/07 00:00	358352	( EPA 314 )	Perchlorate	5330	ug/l	2000	500
03/19/07	03/19/07 18:04	358005	( SM 2540C )	Total Dissolved Solid (TDS)	3620	mg/l	10	1
<b>PC-58 (2703160146)      Sampled on 03/12/07 08:29</b>								
	03/20/07 00:00	358352	( EPA 314 )	Perchlorate	3230	ug/l	800	200
03/19/07	03/19/07 18:04	358005	( SM 2540C )	Total Dissolved Solid (TDS)	5560	mg/l	10	1



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(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-59 (2703160147)                    Sampled on 03/12/07 08:44</b>								
	03/20/07 00:00	358352	( EPA 314	) Perchlorate	6380	ug/l	800	200
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	5170	mg/l	10	1
<b>PC-60 (2703160148)                    Sampled on 03/12/07 08:40</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	4350	ug/l	800	200
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	3930	mg/l	10	1
<b>PC-62 (2703160149)                    Sampled on 03/12/07 08:48</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	2330	ug/l	400	100
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	3220	mg/l	10	1
<b>PC-68 (2703160150)                    Sampled on 03/12/07 08:53</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	49	ug/l	10	5
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	2240	mg/l	10	1
<b>PC-122 (2703160151)                    Sampled on 03/12/07 09:19</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	10700	ug/l	2000	500
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	11200	mg/l	10	1
<b>PC-91 (2703160152)                    Sampled on 03/14/07 09:19</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	8690	ug/l	2000	500
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	7670	mg/l	10	1
<b>PC-95 (2703160153)                    Sampled on 03/14/07 08:29</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	353	ug/l	80	20
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	2560	mg/l	10	1
<b>PC-97 (2703160154)                    Sampled on 03/14/07 08:16</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	1980	ug/l	200	50
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	2860	mg/l	10	1



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 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>PC-17 (2703160155)                    Sampled on 03/14/07 09:48</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	330000	ug/l	20000	5000
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	10100	mg/l	10	1
<b>PC-18 (2703160156)                    Sampled on 03/14/07 10:12</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	267000	ug/l	20000	5000
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	10300	mg/l	10	1
<b>PC-55 (2703160157)                    Sampled on 03/13/07 09:05</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	1520	ug/l	200	50
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	8070	mg/l	10	1
<b>PC-101R (2703160158)                    Sampled on 03/14/07 10:00</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	96800	ug/l	20000	5000
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	8860	mg/l	10	1
<b>L-635 (2703160159)                    Sampled on 03/13/07 09:35</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	ND	ug/l	4.0	2
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	7360	mg/l	10	1
<b>L-637 (2703160160)                    Sampled on 03/13/07 10:10</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	23	ug/l	4.0	2
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	6960	mg/l	10	1
<b>MWK-4 (2703160161)                    Sampled on 03/14/07 11:09</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	171000	ug/l	20000	5000
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	7350	mg/l	10	1
<b>ARP-1 (2703160162)                    Sampled on 03/14/07 10:29</b>								
	03/21/07 00:01	358498	( EPA 314	) Perchlorate	167	ug/l	40	10
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	6270	mg/l	10	1



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 (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>ARP-2 (2703160163)      Sampled on 03/14/07 10:43</b>								
	03/21/07 00:01	358498	( EPA 314	) Perchlorate	1290	ug/l	200	50
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	7230	mg/l	10	1
<b>ARP-3 (2703160164)      Sampled on 03/14/07 10:55</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	42500	ug/l	4000	1000
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	13200	mg/l	10	1
<b>ARP-4 (2703160165)      Sampled on 03/09/07 05:27</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	33000	ug/l	4000	1000
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	5380(H1)	mg/l	10	1
<b>ARP-6A (2703160166)      Sampled on 03/09/07 05:44</b>								
	03/21/07 00:00	358426	( EPA 314	) Perchlorate	18200	ug/l	4000	1000
03/19/07	03/19/07 18:04	358005	( SM 2540C	) Total Dissolved Solid (TDS)	10800(H1)	mg/l	10	1
<b>ARP-7 (2703160167)      Sampled on 03/15/07 08:40</b>								
	03/21/07 00:01	358498	( EPA 314	) Perchlorate	4550	ug/l	400	100
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	5620	mg/l	10	1
<b>PC-53 (2703160168)      Sampled on 03/15/07 08:55</b>								
	03/21/07 00:01	358498	( EPA 314	) Perchlorate	3610	ug/l	400	100
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	4550	mg/l	10	1
<b>PC-103 (2703160169)      Sampled on 03/15/07 09:25</b>								
	03/21/07 00:01	358498	( EPA 314	) Perchlorate	5360	ug/l	400	100
03/19/07	03/19/07 18:55	358106	( SM 2540C	) Total Dissolved Solid (TDS)	4690	mg/l	10	1
<b>MWK-5 (2703160176)      Sampled on 03/15/07 09:10</b>								
	03/21/07 00:01	358498	( EPA 314	) Perchlorate	19000	ug/l	2000	500
03/19/07	03/19/07 18:27	358105	( SM 2540C	) Total Dissolved Solid (TDS)	7300	mg/l	10	1



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Laboratory  
QC Summary  
#198847

Tronox LLC - Henderson

**QC Ref #358005 - Total Dissolved Solid (TDS) Analysis Date: 03/19/2007**

2703160145	PC-56	Analyzed by: anh
2703160146	PC-58	Analyzed by: anh
2703160147	PC-59	Analyzed by: anh
2703160148	PC-60	Analyzed by: anh
2703160149	PC-62	Analyzed by: anh
2703160150	PC-68	Analyzed by: anh
2703160151	PC-122	Analyzed by: anh
2703160154	PC-97	Analyzed by: anh
2703160157	PC-55	Analyzed by: anh
2703160159	L-635	Analyzed by: anh
2703160160	L-637	Analyzed by: anh
2703160165	ARP-4	Analyzed by: anh
2703160166	ARP-6A	Analyzed by: anh

**QC Ref #358105 - Total Dissolved Solid (TDS) Analysis Date: 03/19/2007**

2703160140	M-83	Analyzed by: anh
2703160141	M-87	Analyzed by: anh
2703160143	PC-86	Analyzed by: anh
2703160144	PC-90	Analyzed by: anh
2703160152	PC-91	Analyzed by: anh
2703160153	PC-95	Analyzed by: anh
2703160155	PC-17	Analyzed by: anh
2703160156	PC-18	Analyzed by: anh
2703160158	PC-101R	Analyzed by: anh
2703160161	MWK-4	Analyzed by: anh
2703160162	ARP-1	Analyzed by: anh
2703160163	ARP-2	Analyzed by: anh
2703160164	ARP-3	Analyzed by: anh
2703160167	ARP-7	Analyzed by: anh
2703160168	PC-53	Analyzed by: anh
2703160176	MWK-5	Analyzed by: anh

**QC Ref #358106 - Total Dissolved Solid (TDS) Analysis Date: 03/19/2007**

2703160142	PC-98R	Analyzed by: anh
2703160169	PC-103	Analyzed by: anh



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**Laboratory  
QC Summary  
#198847**

Tronox LLC - Henderson  
(continued)

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**QC Ref #358352 - Perchlorate**

**Analysis Date: 03/20/2007**

2703160140	M-83	Analyzed by: raja
2703160141	M-87	Analyzed by: raja
2703160142	PC-98R	Analyzed by: raja
2703160143	PC-86	Analyzed by: raja
2703160144	PC-90	Analyzed by: raja
2703160145	PC-56	Analyzed by: raja
2703160146	PC-58	Analyzed by: raja
2703160147	PC-59	Analyzed by: raja

**QC Ref #358426 - Perchlorate**

**Analysis Date: 03/21/2007**

2703160148	PC-60	Analyzed by: raja
2703160149	PC-62	Analyzed by: raja
2703160150	PC-68	Analyzed by: raja
2703160151	PC-122	Analyzed by: raja
2703160152	PC-91	Analyzed by: raja
2703160153	PC-95	Analyzed by: raja
2703160154	PC-97	Analyzed by: raja
2703160155	PC-17	Analyzed by: raja
2703160156	PC-18	Analyzed by: raja
2703160157	PC-55	Analyzed by: raja
2703160158	PC-101R	Analyzed by: raja
2703160159	L-635	Analyzed by: raja
2703160160	L-637	Analyzed by: raja
2703160161	MWK-4	Analyzed by: raja
2703160164	ARP-3	Analyzed by: raja
2703160165	ARP-4	Analyzed by: raja
2703160166	ARP-6A	Analyzed by: raja

**QC Ref #358498 - Perchlorate**

**Analysis Date: 03/21/2007**

2703160162	ARP-1	Analyzed by: raja
2703160163	ARP-2	Analyzed by: raja
2703160167	ARP-7	Analyzed by: raja
2703160168	PC-53	Analyzed by: raja
2703160169	PC-103	Analyzed by: raja
2703160176	MWK-5	Analyzed by: raja

Tronox LLC - Henderson

**QC Ref #358005                      Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	03160165	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	5380	5360	MGL		( 0-10 )	0.4
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	96.000	MGL	7.4	( 0-20 )	

**QC Ref #358105                      Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	03160153	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	2556	2542	MGL		( 0-10 )	0.5
LCS1	Total Dissolved Solid (TDS)	175	162	MGL	92.6	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	664	MGL	94.9	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	9	MGL	90.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	92.571	94.857	MGL	2.4	( 0-20 )	

**QC Ref #358106                      Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	03150204	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	392	382	MGL		( 0-10 )	2.6
LCS1	Total Dissolved Solid (TDS)	175	164	MGL	93.7	( 85-115 )	
LCS2	Total Dissolved Solid (TDS)	700	672	MGL	96.0	( 85-115 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	8	MGL	80.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	93.714	96.000	MGL	2.4	( 0-20 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
 Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.



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Tronox LLC - Henderson  
(continued)

## QC Ref #358352

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	03140188	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.1	UGL	100.4	( 85-115 )	
LCS2	Perchlorate	25.0	25.4	UGL	101.6	( 85-115 )	
LCS3	Perchlorate	4	3.83	UGL	95.8	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	24.1	UGL	96.4	( 70-130 )	
MSD	Perchlorate	25.0	22.2	UGL	88.8	( 70-130 )	
RPD_LCS	Perchlorate	100.400	101.600	UGL	1.2	( 0-20 )	
RPD_MS	Perchlorate	96.400	88.800	UGL	8.2	( 0-20 )	

## QC Ref #358426

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	03200378	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.2	UGL	100.8	( 85-115 )	
LCS2	Perchlorate	25.0	25.9	UGL	103.6	( 85-115 )	
LCS3	Perchlorate	4	4.28	UGL	107.0	( 75-125 )	
MBLK	Perchlorate	ND	<4.0	UGL			
MS	Perchlorate	25.0	21.7	UGL	86.8	( 70-130 )	
MSD	Perchlorate	25.0	21.7	UGL	86.8	( 70-130 )	
RPD_LCS	Perchlorate	100.800	103.600	UGL	2.7	( 0-20 )	
RPD_MS	Perchlorate	86.800	86.800	UGL	0.0	( 0-20 )	

## QC Ref #358498

## Perchlorate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	03190042	UGL		( 0-0 )	
LCS1	Perchlorate	25.0	25.8	UGL	103.2	( 85-115 )	
LCS2	Perchlorate	25.0	25.6	UGL	102.4	( 85-115 )	

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LCS3	Perchlorate	4	4.05	UGL	101.2	( 75-125 )
MBLK	Perchlorate	ND	<4.0	UGL		
MS	Perchlorate	25.0	23.2	UGL	92.8	( 70-130 )
MSD	Perchlorate	25.0	21.8	UGL	87.2	( 70-130 )
RPD_LCS	Perchlorate	103.200	102.400	UGL	0.8	( 0-20 )
RPD_MS	Perchlorate	92.800	87.200	UGL	6.2	( 0-20 )

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