

Sample Analysis Report

July, 2013

Analyst Initials: SEUP
Date: 08-13-13

[illegible]

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
DOLPH-07-01-13-08:34-1	85	5.0						D
TW-20-07-01-13-08:43-1	840	100.0						D
D2								
LB-1-07-01-13-09:15-1	510	25.0						D
LB-3-07-31-13-12:15-1	140	10.0						D
TW-21-07-01-13-09:00-1	160	5.0						D
TW-5-07-01-13-08:50-1	1000	100.0						D
TW-9-07-01-13-08:38-1	800	100.0						D
E								
TW-11-07-01-13-08:51-1	230	5.0						D
TW-18-07-01-13-08:30-1	410	8.33						D
TW-19-07-01-13-09:17-1	820	200.0						D
Marshy								
PW-1-07-01-13-08:32-1	1000	100.0						D
SW								
TW-22-07-01-13-10:00-1	820	50.0						D
TW-8-07-01-13-10:02-1	680	10.0						D
Monitoring Wells								
C3								
MW-125-07-31-13-09:15-1	260	1.0						D
MW-127s-07-31-13-09:40-1	nd	1.0						
MW-128s-07-16-13-13:00-1	nd	1.0						
MW-15d-07-29-13-09:20-1	2	1.0						
MW-15s-07-29-13-09:30-1	nd	1.0						
MW-16-07-18-13-11:50-1	nd	1.0						
MW-20-07-09-13-11:40-1	nd	1.0						

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
MW-28-07-16-13-13:15-1	nd	1.0						
MW-2d-07-11-13-09:12-1	27	5.0						D
MW-2s-07-11-13-09:00-1	4	1.0						
MW-39s-07-03-13-13:45-1	6	1.0						
D0								
A2 Cleaning Supply-07-02-13-10:00-1	81	10.0						D
MW-31-07-09-13-10:55-1	18	1.0						
MW-40d-07-15-13-14:25-1	nd	1.0						
MW-40s-07-15-13-13:55-1	nd	1.0						
MW-42d-07-23-13-11:35-1	nd	1.0						
MW-42s-07-23-13-11:55-1	nd	1.0						
MW-51-07-10-13-14:15-1	nd	1.0						
MW-53d-07-02-13-11:30-1	nd	1.0						
MW-53i-07-02-13-12:10-1	31	5.0						D
MW-53s-07-02-13-10:40-1	nd	1.0						
MW-59s-07-02-13-13:30-1	nd	1.0						
MW-60-07-09-13-13:20-1	5	1.0						
MW-93-07-18-13-12:25-1	4	2.5						D
D2								
3365 Jackson Rd-07-19-13-12:20-1	250	10.0						D
MW-120s-07-30-13-10:35-1	nd	1.0						
MW-121s-07-29-13-11:40-1	nd	1.0						
MW-122s-07-29-13-11:20-1	77	1.0						
MW-123s-07-30-13-09:05-1	nd	1.0						
MW-124s-07-22-13-10:20-1	nd	1.0						
MW-126s-07-03-13-10:55-1	nd	1.0						
MW-129i-07-22-13-14:30-1	nd	1.0						

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
MW-129s-07-22-13-13:15-1	nd	1.0						
MW-130i-07-29-13-14:00-1	nd	1.0						
MW-130s-07-29-13-14:10-1	nd	1.0						
MW-131s-07-03-13-10:20-1	nd	1.0						
MW-133i-07-15-13-10:35-1	1	1.0						
MW-133s-07-15-13-10:57-1	1	1.0						
MW-134i-07-11-13-10:50-1	9	1.0						
MW-134s-07-11-13-11:10-1	8	1.0						
MW-17-07-12-13-14:25-1	510	100.0						D
MW-30i-07-19-13-10:00-1	nd	1.0						
MW-39d-07-03-13-14:15-1	82	10.0						D
MW-43-07-18-13-11:15-1	nd	1.0						
MW-56s-07-16-13-11:15-1	60	1.0						
MW-KD-1d-07-30-13-12:20-1	120	5.0						D
MW-KD-1s-07-30-13-11:55-1	44	1.0						
E								
MW-100-07-19-13-14:15-1	1800	100.0						D
MW-103d-07-08-13-13:45-1	16	1.0						
MW-103s-07-08-13-13:55-1	70	1.0						
MW-111-07-22-13-11:45-1	nd	1.0						
MW-112d-07-08-13-10:50-1	nd	1.0						
MW-112i-07-08-13-11:55-1	8	1.0						
MW-112s-07-08-13-11:05-1	nd	1.0						
MW-115-07-12-13-13:45-1	660	100.0						D
MW-116-07-12-13-10:00-1	580	100.0						D
MW-120d-07-30-13-11:15-1	nd	1.0						
MW-121d-07-29-13-12:15-1	nd	1.0						

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
MW-122d-07-29-13-10:40-1	nd	1.0						
MW-123d-07-30-13-10:00-1	nd	1.0						
MW-124d-07-22-13-11:05-1	nd	1.0						
MW-126d-07-03-13-11:50-1	nd	1.0						
MW-127d-07-31-13-10:40-1	nd	1.0						
MW-128d-07-16-13-12:35-1	nd	1.0						
MW-129d-07-22-13-14:00-1	nd	1.0						
MW-130d-07-29-13-13:25-1	nd	1.0						
MW-131d-07-03-13-10:00-1	nd	1.0						
MW-133d-07-15-13-10:00-1	3	1.0						
MW-134d-07-11-13-10:15-1	6	1.0						
MW-30d-07-19-13-11:05-1	790	100.0						D
MW-56d-07-16-13-10:55-1	nd	1.0						
MW-59d-07-02-13-14:15-1	nd	1.0						
MW-63d-07-16-13-09:50-1	nd	1.0						
MW-67-07-17-13-12:10-1	nd	1.0						
MW-69-07-18-13-10:00-1	nd	1.0						
MW-76d-07-11-13-13:45-1	3	1.0						
MW-76i-07-11-13-14:20-1	100	5.0						D
MW-76s-07-11-13-14:35-1	290	25.0						D
MW-79d-07-12-13-11:10-1	32	1.0						
MW-79s-07-12-13-11:40-1	640	100.0						D
MW-82d-07-17-13-14:00-1	nd	1.0						
MW-82s-07-17-13-14:15-1	230	5.0						D
MW-83d-07-17-13-10:05-1	nd	1.0						
MW-84s-07-12-13-09:20-1	410	100.0						D
MW-89-07-17-13-10:50-1	5	1.0						

[illegible]

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
OUTFALL-07-01-13-1	6	1.0						
OUTFALL-07-01-13-2			6	5.0				
OUTFALL-07-02-13-1	6	1.0						
OUTFALL-07-02-13-2			nd	5.0				
OUTFALL-07-03-13-1	5	1.0						
OUTFALL-07-03-13-2			6	5.0				
OUTFALL-07-04-13-1	6	1.0						
OUTFALL-07-04-13-2			7	5.0				
OUTFALL-07-07-13-1	7	1.0						
OUTFALL-07-07-13-2			8	5.0				
OUTFALL-07-08-13-1	6	1.0						
OUTFALL-07-08-13-2			6	5.0				
OUTFALL-07-09-13-1	5	1.0						
OUTFALL-07-09-13-2			5	5.0				
OUTFALL-07-10-13-1	4	1.0						
OUTFALL-07-10-13-2			5	5.0				
OUTFALL-07-11-13-1	5	1.0						
OUTFALL-07-11-13-2			7	5.0				
OUTFALL-07-14-13-2			5	5.0				
OUTFALL-07-14-13-1	6	1.0						
OUTFALL-07-15-13-1	4	1.0						
OUTFALL-07-15-13-2			nd	5.0				
OUTFALL-07-16-13-2			6	5.0				
OUTFALL-07-16-13-1	5	1.0						
OUTFALL-07-17-13-2			5	5.0				
OUTFALL-07-17-13-1	5	1.0						
OUTFALL-07-18-13-1	6	1.0						

Sample Name - Date/Time Sampled	1,4-Dioxane Results (ppb)	R.L. (ppb)	Bromate Results (ppb)	R.L. (ppb)	Bromide Results (ppb)	R.L. (ppb)	Comments	Qualifier(s)
OUTFALL-07-18-13-2			nd	5.0				
OUTFALL-07-21-13-1	5	1.0						
OUTFALL-07-21-13-2			nd	5.0				
OUTFALL-07-22-13-1	6	1.0						
OUTFALL-07-22-13-2			nd	5.0				
OUTFALL-07-23-13-1	5	1.0						
OUTFALL-07-23-13-2			nd	5.0				
OUTFALL-07-24-13-1	4	1.0						
OUTFALL-07-24-13-2			nd	5.0				
OUTFALL-07-25-13-2			6	5.0				
OUTFALL-07-25-13-1	4	1.0						
OUTFALL-07-28-13-2			nd	5.0				
OUTFALL-07-28-13-1	4	1.0						
OUTFALL-07-29-13-2			6	5.0				
OUTFALL-07-29-13-1	4	1.0						
OUTFALL-07-30-13-1	4	1.0						
OUTFALL-07-30-13-2			nd	5.0				
OUTFALL-07-31-13-1	3	1.0						
OUTFALL-07-31-13-2			6	5.0				
Red Pond-07-01-13-08:36-1	540	25.0						D
Red Pond-07-08-13-11:40-1	540	10.0						D
Red Pond-07-15-13-08:15-1	470	100.0						D
Red Pond-07-22-13-07:45-1	530	10.0						D
Red Pond-07-29-13-08:00-1	500	50.0						D

Qualifier Code:**Qualifier Description****D**

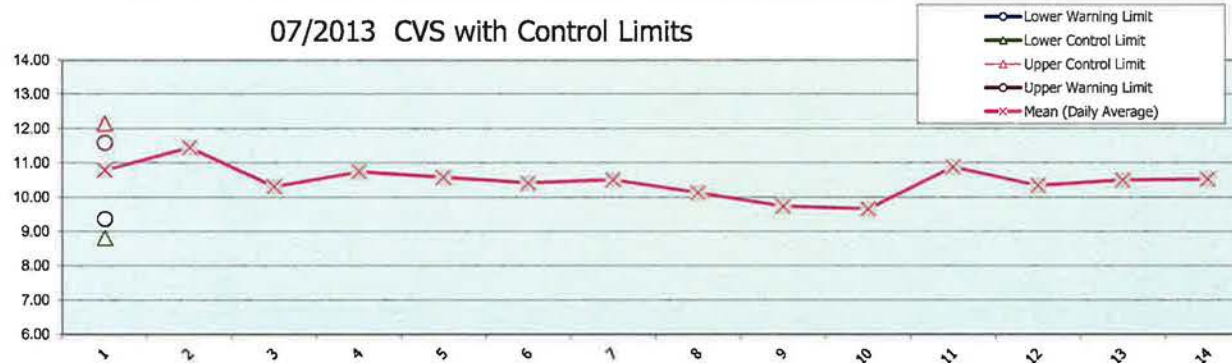
Analyte value quantified from a dilution, reporting limit is raised to reflect dilution

Control Chart for 07/2013 CVS

Analyst: SEOP 08-08-13

GC/MS Data: #2
Report Date: 8/8/2013
Chemist: Susan E.O. Peters
Dept: Environmental
Analyte: 1,4-dioxane
Start date: 7/1/2013
End date: 7/31/2013
Desired level: 100%

Date	CVS Values				Mean (Daily Average)	Sample Mean (All Individual Data)	Daily Standard Deviation	Daily Average Sample Standard Deviation	Lower Control Limit	Upper Control Limit	Lower Warning Limit	Upper Warning Limit
	CVS 1	CVS 2	CVS 3	CVS 4								
7/1/2013	11.36	10.22			10.79	10.49	0.81	0.56	8.82	12.16	9.38	11.60
7/2/2013	11.19	11.76	11.22	11.64	11.45	10.49	0.29					
7/3/2013	10.70	10.63	10.04	9.89	10.32	10.49	0.41					
7/8/2013	9.86	11.56	10.82		10.75	10.49	0.85					
7/9/2013	10.58	10.58			10.58	10.49	0.00					
7/10/2013	9.58	10.8	10.41	10.87	10.42	10.49	0.59					
7/12/2013	11.7	10.3	9.62	10.42	10.51	10.49	0.87					
7/15/2013	9.83	10.21	10.81	9.68	10.13	10.49	0.51					
7/16/2013	9.62	10.08	9.52		9.74	10.49	0.30					
7/17/2013	10.20	9.11			9.66	10.49	0.77					
7/18/2013	10.36	11.40			10.88	10.49	0.74					
7/22/2013	9.91	8.76	10.80	11.91	10.35	10.49	1.34					
7/23/2013	9.96	11.04			10.50	10.49	0.76					
7/24/2013	9.51	11.54			10.53	10.49	1.44					
7/25/2013	11.66	11.80			11.73	10.49	0.10					
7/30/2013	10.00	10.40	11.60	9.72	10.43	10.49	0.83					
7/31/2013	10.34	8.96			9.65	10.49	0.98					

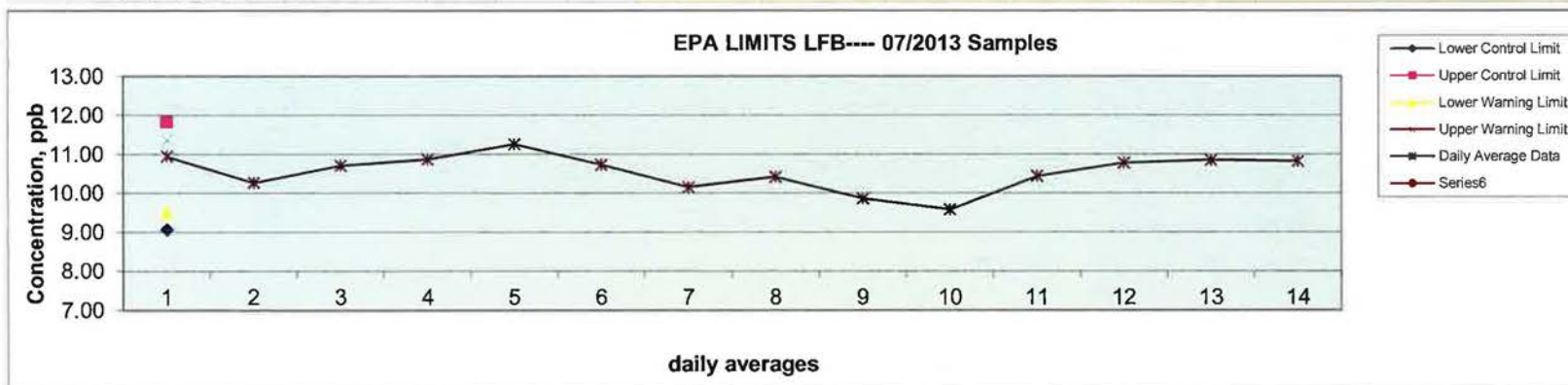


Control Chart for 7/2013 LFB

Analyst: SEOP 08-08-13

GC/MS Data: #2
 Report Date: 8/8/2013
 Chemist: Susan E.O. Peters
 Dept: Environmental
 Analyte: 1,4-dioxane
 Start date: 7/1/2013
 End date: 7/31/2013
 Desired level: 100%

Date	LFB Values						Mean (Daily Average)	Sample Mean (All Individual Data)	Daily Standard Deviation	Daily Average Sample Standard Deviation	Lower Control Limit	Upper Control Limit	Lower Warning Limit	Upper Warning Limit
	LFB 1	LFB 2	LFB 3	LFB 4	LFB 5	LFB 6								
7/1/2013	10.53	11.68	10.63				10.95	10.45	0.64	0.46	9.07	11.83	9.53	11.37
7/2/2013	9.89	10.8	10.0	11.22	9.49		10.28	10.45	0.71					
7/3/2013	10.9	9.90	10.1	11.1	11.31	10.91	10.71	10.45	0.56					
7/8/2013	10.30	10.5	11.2	12.0	10.42		10.87	10.45	0.70					
7/9/2013	10.8	11.7					11.26	10.45	0.65					
7/10/2013	9.1	11.3	11.50	11.64	10.82	10.05	10.74	10.45	0.98					
7/12/2013	10.1	10.1	9.0	10.83	10.72		10.16	10.45	0.72					
7/15/2013	11.2	9.8	10.4	10.3			10.42	10.45	0.61					
7/16/2013	9.11	10.89	9.18	9.48	11.0	9.57	9.87	10.45	0.84					
7/17/2013	9.69	9.90	9.16				9.58	10.45	0.38					
7/18/2013	9.36	11.4	10.6				10.44	10.45	1.03					
7/22/2013	11.45	9.36	10.75	11.56			10.78	10.45	1.01					
7/23/2013	10.25	10.84	11.47				10.85	10.45	0.61					
7/24/2013	11.46	10.76	10.26				10.83	10.45	0.60					
7/25/2013	10.27	10.59					10.43	10.45	0.23					
7/30/2013	10.41	10.93	9.46	10.10	9.95		10.17	10.45	0.55					
7/31/2013	9.31	10.35	9.66				9.77	10.45	0.53					



Control Chart for 07/2013 MS/MSD %Recoveries

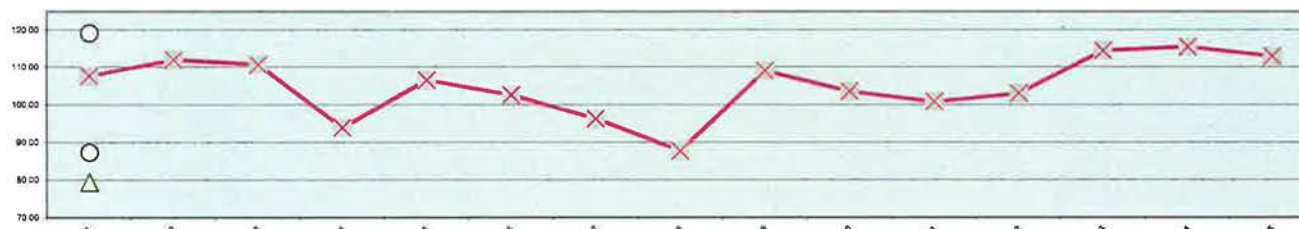
Analyst: SEOP 08-08-13

GC/MS Data: #2
Report Date: 8/8/2013
Chemist: Susan E.O. Peters
Dept: Environmental
Analyte: 1,4-dioxane
Start date: 7/1/2013
End date: 7/31/2013
Desired level: 100%

Date	Matrix Spike % Recovery Values							Mean (Daily Average)	Sample Mean (All Individual Data)	Daily Standard Deviation	Daily Average Sample Standard Deviation	Lower Control Limit	Upper Control Limit	Lower Warning Limit	Upper Warning Limit	Mean RPD (Individual Data)
	MS 1	MSD 1	MS 2	MSD 2	Replicate Ave.	Std. Dev.	# data pts									
7/1/2013	120	95	na	na	10.7	2	2	107.65	103.28	10.62	7.96	79.39	127.17	87.36	119.21	103.34
7/2/2013	112	na	na	na	5.57	0.45	2	112.00								
7/3/2013	114	115	105	110	5.27	0.51	2	110.70								
7/8/2013	85	na	93	103	na	na	na	93.93								
7/9/2013	107	na	na	na	5.90	0.28	2	106.50								
7/10/2013	105	100	103	na	na	na	na	102.60								
7/12/2013	104	107	84	90	na	na	na	96.25								
7/15/2013	92	84	85	90	5.70	0.71	2	87.63								
7/16/2013	108	110	na	na	4.42	0.05	2	109.00								
7/17/2013	110	97	na	na	4.80	0.89	2	103.55								
7/18/2013	100	102	na	na	5.27	0.18	2	100.85								
7/22/2013	104	109	95	105	6.05	0.11	2	103.08								
7/23/2013	118	111	na	na	5.84	4.2	2	114.50								
7/24/2013	116	115	na	na	4.46	0.76	2	115.50								
7/25/2013	110	116	na	na	3.67	0.07	2	113.00								
7/30/2013	82	92	101	117	4.47	0.79	2	97.93								
7/31/2013	106	120	na	na	3.98	0.45	2	113.00								

07/2013 MS/MSD with Control Limits

Lower Warning Limit
Lower Control Limit
Upper Control Limit
Upper Warning Limit
Mean (Daily Average)

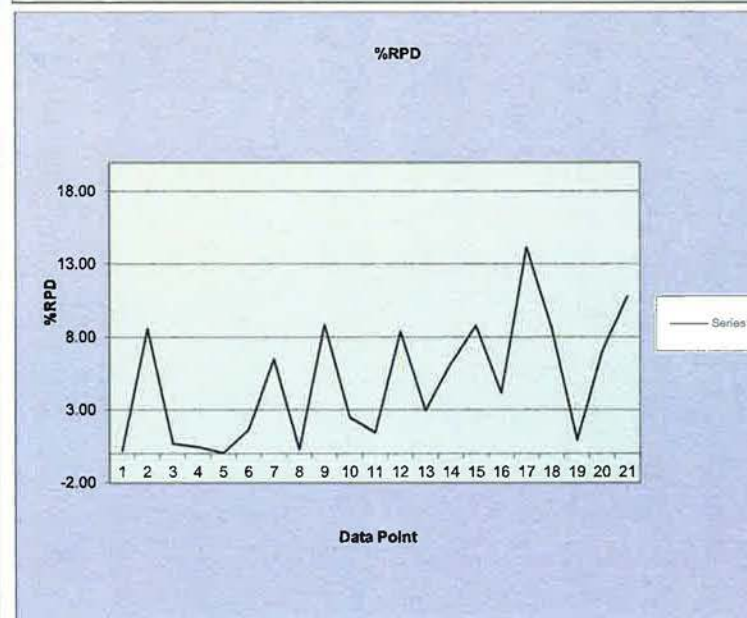
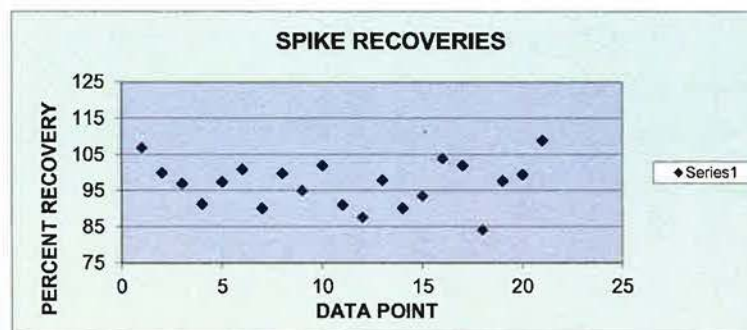


Control Chart for 07/2013 MS/MSD & Repeat %Recoveries

 Analyst: SEOP 08-08-13

IC: Metrohm
 Report Date: 8/8/2013
 Chemist: Susan E.O. Peters
 Dept: Environmental
 Analyte: Bromate
 Start date: 7/1/2013
 End date: 7/31/2013
 Desired level: 100%

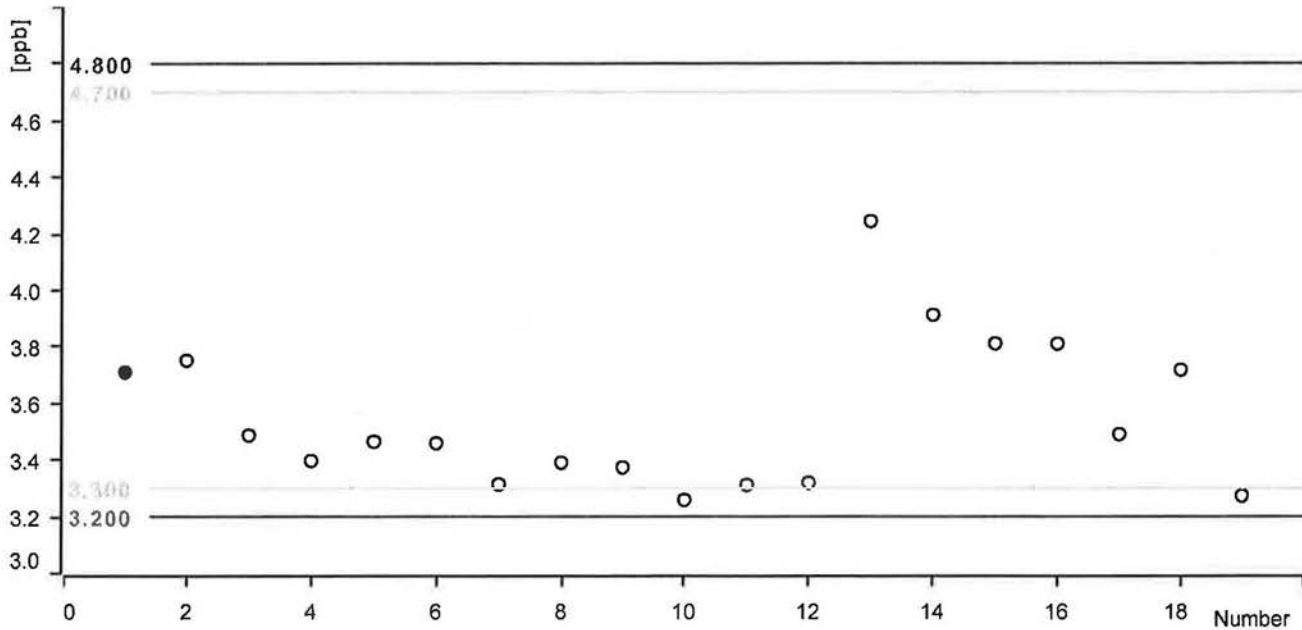
MS Recoveries and Replicate Recoveries								
Analysis Date	Spike 1 ---- % Rec	Spike 2 ---- % Rec	Ave. Spike Recovery (75-125%)	%RPD Spike Recovery (0-20%)	Std. Dev. Spikes	Ave. Sample Replicates	Std. Dev. Sample Replicates	n =
7/1/2013	107	107	107	0.20	0.05	5.49	0.18	2
7/2/2013	92	107	100	8.60	10.30	6.27	0.46	3
7/3/2013	97	98	97	0.70	0.70	3.77	0.36	2
7/8/2013	91	92	91	0.48	0.67	5.80	0.06	2
7/8/2013	98	98	98	0.05	0.07	na	na	na
7/9/2013	100	102	101	1.6	1.6	5.64	0.09	3
7/10/2013	85	95	90	6.5	7.1	5.15	0.40	3
7/10/2013	100	100	100	0.30	0.2	na	na	na
7/11/2013	84	106	95	8.90	15.9	5.45	0.78	3
7/12/2013	100	105	102	2.5	3.5	6.76	0.17	3
7/15/2013	93	90	91	1.5	2.1	5.30	0.08	2
7/16/2013	83	92	88	8.4	6.3	na	na	n
7/17/2013	96	100	98	3.0	3.3	5.66	0.08	2
7/18/2013	85	95	90	6.2	6.9	5.32	0.25	3
7/22/2013	89	98	94	8.8	6.3	3.23	0.49	3
7/24/2013	108	101	104	4.2	4.9	0.783	0.021	3
7/24/2013	111	93	102	14.2	12.7	1.738	0.266	3
7/26/2013	89	79	84	8.6	6.7	5.51	0.33	2
7/26/2013	97	99	98	0.95	1.0	na	na	na
7/30/2013	105	94	100	7.10	7.2	5.86	0.05	2
7/30/2013	100	117	109	10.80	12.0	na	na	na



Control chart

Comment

Bromate 4 PPB concentration



Statistics

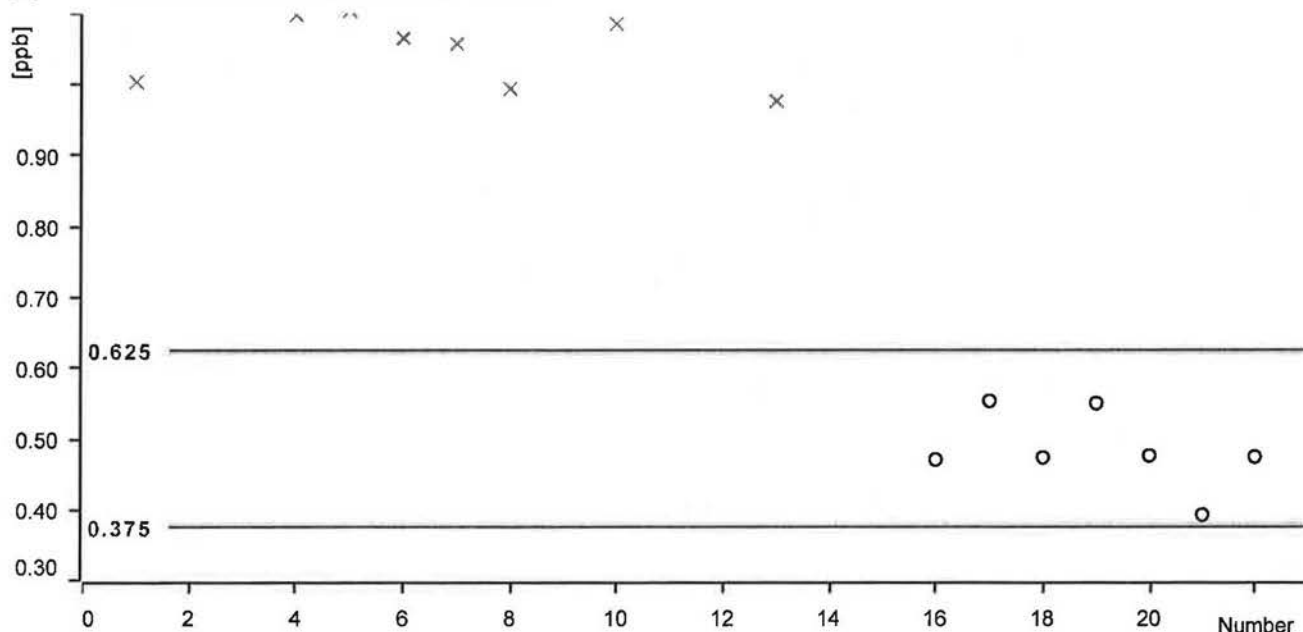
Mean value:	3.552 ppb	Absolute standard deviation:	0.266 ppb
Minimum:	3.258 ppb	Relative standard deviation:	7.496 %
Maximum:	4.245 ppb	Number of determinations:	19

Date	Number	Ident	Sample type	Method	Bromate 4 PPB concentration	Statistics
2013-07-02 14:43:37 UTC-4	1	ECCS/CCCS	Sample	04172013 300.1	3,710 ppb	on
2013-07-03 18:41:23 UTC-4	2	ECCS/CCCS	Sample	04172013 300.1	3,752 ppb	on
2013-07-08 22:01:29 UTC-4	3	ECCS/CCCS	Sample	04172013 300.1	3,486 ppb	on
2013-07-09 17:53:38 UTC-4	4	ECCS/CCCS	Sample	04172013 300.1	3,397 ppb	on
2013-07-10 17:04:07 UTC-4	5	ECCS/CCCS	Sample	04172013 300.1	3,464 ppb	on
2013-07-11 14:54:24 UTC-4	6	ECCS/CCCS	Sample	04172013 300.1	3,458 ppb	on
2013-07-12 17:24:37 UTC-4	7	ECCS/CCCS	Sample	04172013 300.1	3,313 ppb	on
2013-07-15 21:21:35 UTC-4	8	ECCS/CCCS	Sample	04172013 300.1	3,390 ppb	on
2013-07-16 13:37:07 UTC-4	9	ECCS/CCCS	Sample	04172013 300.1	3,373 ppb	on
2013-07-17 16:18:55 UTC-4	10	ECCS/CCCS	Sample	04172013 300.1	3,258 ppb	on
2013-07-18 15:55:31 UTC-4	11	ECCS/CCCS	Sample	04172013 300.1	3,312 ppb	on
2013-07-19 16:22:48 UTC-4	12	ECCS/CCCS	Sample	04172013 300.1	3,320 ppb	on
2013-07-23 19:49:01 UTC-4	13	ECCS/CCCS	Sample	07222013 300.1	4,245 ppb	on
2013-07-25 08:36:12 UTC-4	14	ECCS/CCCS	Sample	07222013 300.1	3,812 ppb	on
2013-07-25 15:35:06 UTC-4	15	ECCS/CCCS	Sample	07222013 300.1	3,812 ppb	on
2013-07-28 17:51:46 UTC-4	16	ECCS/CCCS	Sample	07222013 300.1	3,810 ppb	on
2013-07-29 21:25:32 UTC-4	17	ECCS/CCCS	Sample	07222013 300.1	3,490 ppb	on
2013-07-30 19:09:16 UTC-4	18	ECCS/CCCS	Sample	07222013 300.1	3,718 ppb	on
2013-07-31 16:54:45 UTC-4	19	ECCS/CCCS	Sample	07222013 300.1	3,273 ppb	on

Control chart

Comment

ppb Bromate Concentration ICCS



Statistics

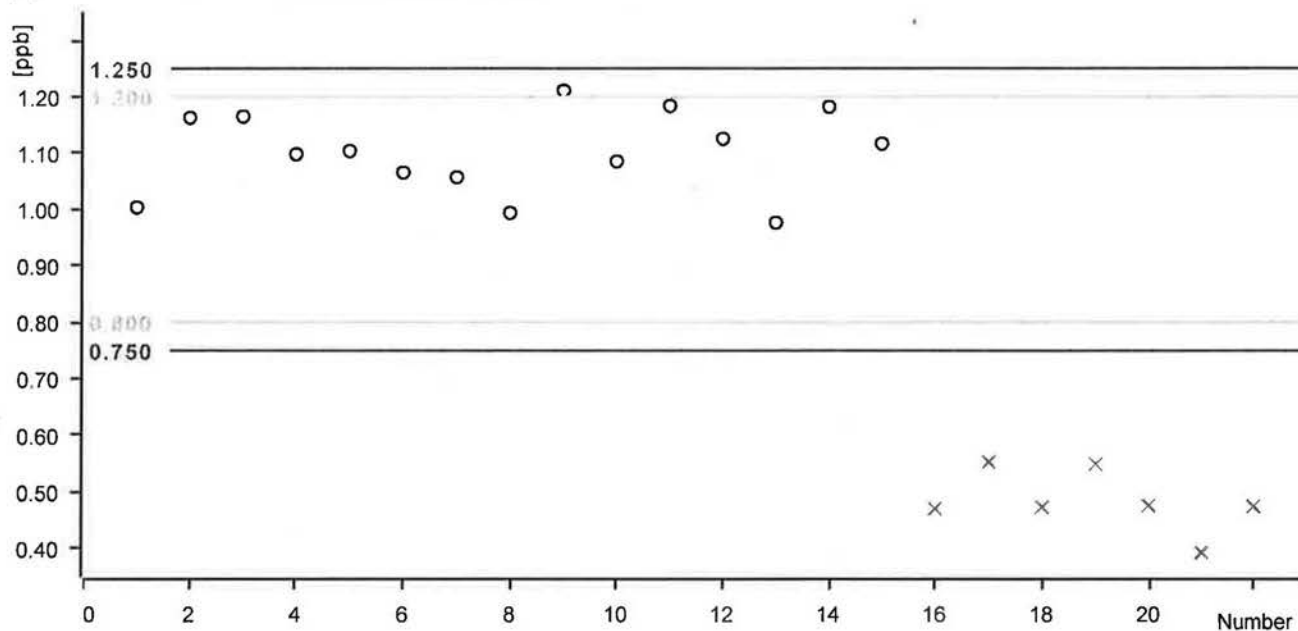
Mean value:	0.484 ppb	Absolute standard deviation:	0.055 ppb
Minimum:	0.392 ppb	Relative standard deviation:	11.318 %
Maximum:	0.553 ppb	Number of determinations:	7

Date	Number	Ident	Sample type	Method	ppb Bromate Concentration ICCS	Statistics
2013-07-01 08:00:00 UTC-4	1	ICCS/LFB	Sample	07222013 300.1	0.92 ppb	off
2013-07-01 08:00:00 UTC-4	2	ICCS/LFB	Sample	07222013 300.1	0.95 ppb	off
2013-07-01 08:00:00 UTC-4	3	ICCS/LFB	Sample	07222013 300.1	0.98 ppb	off
2013-07-01 08:00:00 UTC-4	4	ICCS/LFB	Sample	07222013 300.1	0.98 ppb	off
2013-07-01 08:00:00 UTC-4	5	ICCS/LFB	Sample	07222013 300.1	0.95 ppb	off
2013-07-01 08:00:00 UTC-4	6	ICCS/LFB	Sample	07222013 300.1	0.92 ppb	off
2013-07-01 08:00:00 UTC-4	7	ICCS/LFB	Sample	07222013 300.1	0.90 ppb	off
2013-07-01 08:00:00 UTC-4	8	ICCS/LFB	Sample	07222013 300.1	0.85 ppb	off
2013-07-01 08:00:00 UTC-4	9	ICCS/LFB	Sample	07222013 300.1	0.95 ppb	off
2013-07-01 08:00:00 UTC-4	10	ICCS/LFB	Sample	07222013 300.1	0.92 ppb	off
2013-07-01 08:00:00 UTC-4	11	ICCS/LFB	Sample	07222013 300.1	0.92 ppb	off
2013-07-01 08:00:00 UTC-4	12	ICCS/LFB	Sample	07222013 300.1	0.92 ppb	off
2013-07-01 08:00:00 UTC-4	13	ICCS/LFB	Sample	07222013 300.1	0.92 ppb	off
2013-07-01 08:00:00 UTC-4	14	ICCS/LFB	Sample	07222013 300.1	0.92 ppb	off
2013-07-01 08:00:00 UTC-4	15	ICCS/LFB	Sample	07222013 300.1	0.92 ppb	off
2013-07-22 20:30:55 UTC-4	16	ICCS/LFB	Sample	07222013 300.1	0.470 ppb	on
2013-07-24 08:59:35 UTC-4	17	ICCS/LFB	Sample	07222013 300.1	0.553 ppb	on
2013-07-26 11:34:24 UTC-4	18	ICCS/LFB	Sample	07222013 300.1	0.473 ppb	on
2013-07-29 15:45:52 UTC-4	19	ICCS/LFB	Sample	07222013 300.1	0.550 ppb	on
2013-07-30 10:58:44 UTC-4	20	ICCS/LFB	Sample	07222013 300.1	0.476 ppb	on
2013-07-30 11:36:35 UTC-4	21	ICCS/LFB	Sample	07222013 300.1	0.392 ppb	on
2013-07-31 11:52:50 UTC-4	22	ICCS/LFB	Sample	07222013 300.1	0.474 ppb	on

Control chart

Comment

ppb Bromate Concentration ICCS



Statistics

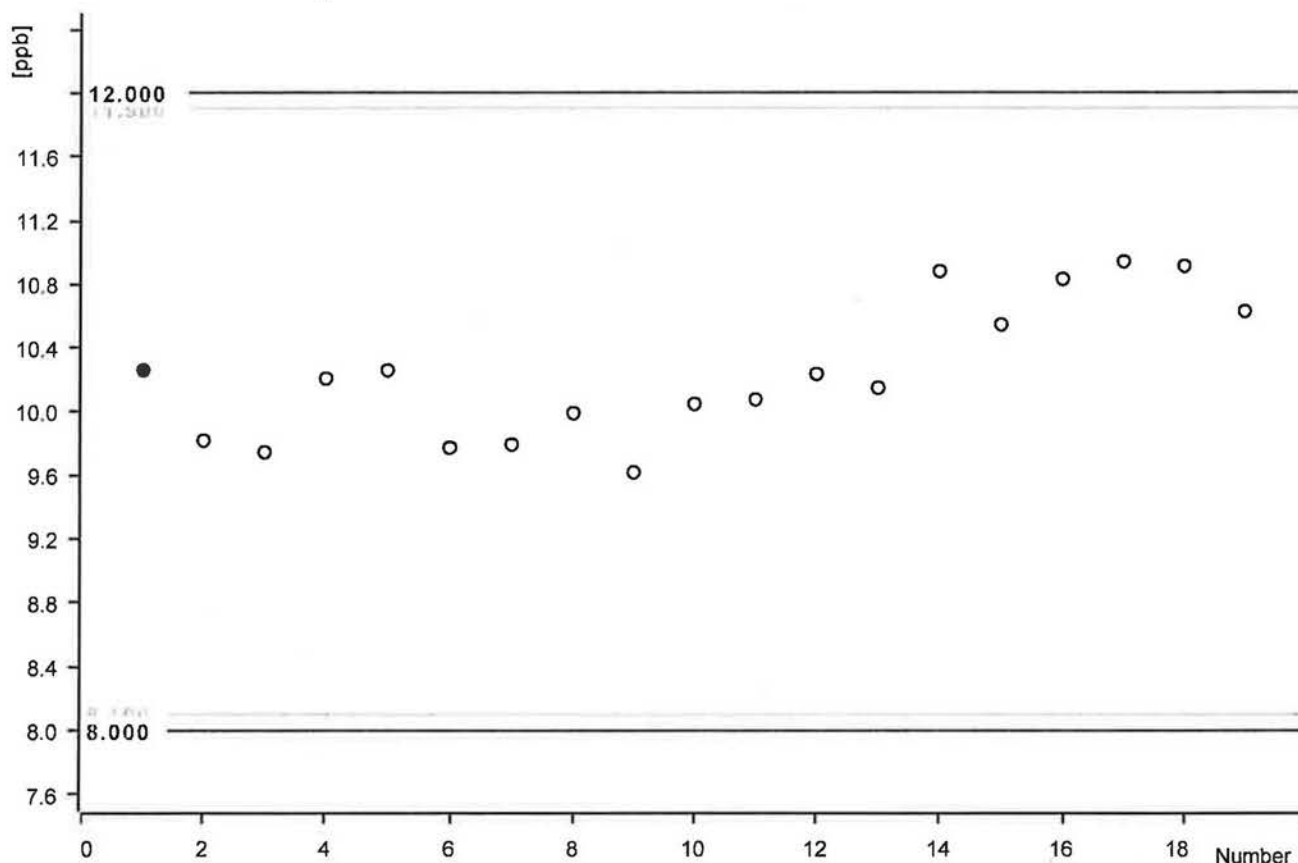
Mean value:	1.102 ppb	Absolute standard deviation:	0.073 ppb
Minimum:	0.976 ppb	Relative standard deviation:	6.612 %
Maximum:	1.211 ppb	Number of determinations:	15

Date	Number	Ident	Sample type	Method	ppb Bromate Concentration ICCS	Statistics
2013-07-01 08:28:53 UTC-4	1	ICCS/LFB	Sample	04172013 300.1	1.004 ppb	on
2013-07-02 09:04:01 UTC-4	2	ICCS/LFB	Sample	04172013 300.1	1.163 ppb	on
2013-07-03 14:54:54 UTC-4	3	ICCS/LFB	Sample	04172013 300.1	1.165 ppb	on
2013-07-08 13:43:00 UTC-4	4	ICCS/LFB	Sample	04172013 300.1	1.095 ppb	on
2013-07-09 11:29:39 UTC-4	5	ICCS/LFB	Sample	04172013 300.1	1.104 ppb	on
2013-07-10 09:16:15 UTC-4	6	ICCS/LFB	Sample	04172013 300.1	1.095 ppb	on
2013-07-11 07:59:25 UTC-4	7	ICCS/LFB	Sample	04172013 300.1	1.057 ppb	on
2013-07-12 09:23:31 UTC-4	8	ICCS/LFB	Sample	04172013 300.1	0.994 ppb	on
2013-07-12 11:45:05 UTC-4	9	ICCS/LFB	Sample	04172013 300.1	1.211 ppb	on
2013-07-15 15:42:00 UTC-4	10	ICCS/LFB	Sample	04172013 300.1	1.085 ppb	on
2013-07-15 16:19:43 UTC-4	11	ICCS/LFB	Sample	04172013 300.1	1.184 ppb	on
2013-07-16 08:35:19 UTC-4	12	ICCS/LFB	Sample	04172013 300.1	1.125 ppb	on
2013-07-17 10:39:24 UTC-4	13	ICCS/LFB	Sample	04172013 300.1	0.976 ppb	on
2013-07-18 10:16:02 UTC-4	14	ICCS/LFB	Sample	04172013 300.1	1.182 ppb	on
2013-07-19 08:45:54 UTC-4	15	ICCS/LFB	Sample	04172013 300.1	1.116 ppb	on
2013-07-22 20:50:50 UTC-4	16	ICCS/LFB	Sample	04172013 300.1	0.478 ppb	off
2013-07-24 05:09:35 UTC-4	17	ICCS/LFB	Sample	04172013 300.1	0.559 ppb	off
2013-07-25 11:04:26 UTC-4	18	ICCS/LFB	Sample	04172013 300.1	0.473 ppb	off
2013-07-26 15:41:03 UTC-4	19	ICCS/LFB	Sample	04172013 300.1	0.572 ppb	off
2013-07-30 10:50:44 UTC-4	20	ICCS/LFB	Sample	04172013 300.1	0.476 ppb	off
2013-07-31 11:05:35 UTC-4	21	ICCS/LFB	Sample	04172013 300.1	0.492 ppb	off
2013-07-31 11:29:59 UTC-4	22	ICCS/LFB	Sample	04172013 300.1	0.473 ppb	off

Control chart

Comment

10PPB BROMATE qcs



Statistics

Mean value:	10.246 ppb	Absolute standard deviation:	0.429 ppb
Minimum:	9.616 ppb	Relative standard deviation:	4.191 %
Maximum:	10.941 ppb	Number of determinations:	19

Date	Number	Ident	Sample type	Method	10PPB BROMATE qcs	Statistics
2013-07-01 15:16:14 UTC-4	1	QCS	Sample	04172013 300.1	10.257 ppb	on
2013-07-02 15:59:05 UTC-4	2	QCS	Sample	04172013 300.1	9.818 ppb	on
2013-07-03 19:56:50 UTC-4	3	QCS	Sample	04172013 300.1	9.742 ppb	on
2013-07-08 23:16:57 UTC-4	4	QCS	Sample	04172013 300.1	10.205 ppb	on
2013-07-09 19:09:05 UTC-4	5	QCS	Sample	04172013 300.1	10.256 ppb	on
2013-07-10 18:19:34 UTC-4	6	QCS	Sample	04172013 300.1	9.772 ppb	on
2013-07-11 15:38:14 UTC-4	7	QCS	Sample	04172013 300.1	9.791 ppb	on
2013-07-12 18:40:04 UTC-4	8	QCS	Sample	04172013 300.1	9.988 ppb	on
2013-07-15 22:37:02 UTC-4	9	QCS	Sample	04172013 300.1	9.816 ppb	on
2013-07-16 14:52:34 UTC-4	10	QCS	Sample	04172013 300.1	10.045 ppb	on
2013-07-17 17:34:21 UTC-4	11	QCS	Sample	04172013 300.1	10.073 ppb	on
2013-07-18 17:10:57 UTC-4	12	QCS	Sample	04172013 300.1	10.233 ppb	on
2013-07-19 17:38:15 UTC-4	13	QCS	Sample	04172013 300.1	10.145 ppb	on
2013-07-23 21:04:28 UTC-4	14	QCS	Sample	07222013 300.1	10.878 ppb	on
2013-07-25 09:51:42 UTC-4	15	QCS	Sample	07222013 300.1	10.544 ppb	on
2013-07-26 19:07:13 UTC-4	16	QCS	Sample	07222013 300.1	10.831 ppb	on
2013-07-29 22:41:03 UTC-4	17	QCS	Sample	07222013 300.1	10.941 ppb	on
2013-07-30 20:24:42 UTC-4	18	QCS	Sample	07222013 300.1	10.913 ppb	on
2013-07-31 18:10:12 UTC-4	19	QCS	Sample	07222013 300.1	10.628 ppb	on