iCAP 6000 / 6500 Data Review Checklist	Analysis Date: 9-26-13	Data File: DO Results V21	Date of review: 9/30/13
Cal Std ID: MIX 05 LIMS #: 98485	Analyst: [illegible]	Reviewer: [illegible]	Approved? Yes No

Is Audit Trail turned on or Manual Manipulations addressed? Yes / No (If no, any manual manipulations must be initialed, dated, and reason(s) stated for change)

QC Parameters : 6010 / 200.7 / QSM / Other	YES	NO	YES	NO	Comments:
1) Calibration linearity: > 0.995 / r > 0.998	✓		✓		
2) ICV: 90-110% / 95-105%	✓		✓		
3) ICB: < 3X IDL / <LOD / <LOQ	✓		✓		
4) ICSA: < ABS LOD	✓		✓		
5) ICSAB: 80-120%	✓		✓		
6) MRL: 70-130% / 80-120%	✓		✓		
7) MDL Check: >LOD					
8) CCV1/CCB1 (CCV: 90-110%)	✓		✓		
9) CCV2/CCB2 (CCB: < 3X IDL / <LOD / <LOQ)					
10) CCV3/CCB3					
11) CCV4/CCB4					
12) CCV5/CCB5					
13) CCV6/CCB6					
Preparation Batch Parameters	**YES**	**NO**	**YES**	**NO**	
Prep Batch ID#: 45981 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓		✓		
Spiked samples in batch:					
a) 358897 matrix = S	✓	✓	✓	—	Dup fail
b) matrix =					MS fail
c) matrix =					
PDS: ±15% / 20% / 25% Sample#: a	✓		✓		OK no flags
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					

iCAP 6000 / 6500 Data Review Checklist	Analysis Date: 9-27-13	Data File: 0009results.V72	Date of review: 9/30/13
Cal Std ID: M11605 | LIMS #: 98514	Analyst: [illegible]	Reviewer: [illegible]	Approved? Yes No

Is Audit Trail turned on or Manual Manipulations addressed? Yes No (If no; any manual manipulations must be initialed, dated, and reason(s) stated for change)

QC Parameters : 6010 / 200.7 / QSM / Other	YES	NO	YES	NO	Comments:
1) Calibration linearity: r ≥ 0.995 / r > 0.998	✓		✓		
2) ICV: 90-110% / 95-105%	✓		✓		
3) ICB: < 3XIDL / <LOD / <LOQ	✓		✓		
4) ICSA: < ABS LOD	✓		✓		
5) ICSAB: 80-120%	✓		✓		
6) MRL: 70-130% / 80-120%	✓		✓		
7) MDL Check: >LOD					
8) CCV1/CCB1 (CCV: 90-110%)	✓		✓		
9) CCV2/CCB2 (CCB: < 3X IDL / <LOD / <LOQ)					
10) CCV3/CCB3					
11) CCV4/CCB4					
12) CCV5/CCB5					
13) CCV6/CCB6					
Preparation Batch Parameters	**YES**	**NO**	**YES**	**NO**	
Prep Batch ID#: 45982 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓		✓		
Spiked samples in batch:					
a) 358916 matrix = S	✓		✓		
b) _____ matrix = _____					
c) _____ matrix = _____					
PDS: ±15% / 20% / 25% Sample#: a	✓		✓		
Prep Batch ID#: _____ Dig. Meth. _____					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) _____ matrix = _____					
b) _____ matrix = _____					
c) _____ matrix = _____					
PDS: ±15% / 20% / 25% Sample#: _____					
Prep Batch ID#: _____ Dig. Meth. _____					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) _____ matrix = _____					
b) _____ matrix = _____					
c) _____ matrix = _____					
PDS: ±15% / 20% / 25% Sample#: _____					
Prep Batch ID#: _____ Dig. Meth. _____					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) _____ matrix = _____					
b) _____ matrix = _____					
c) _____ matrix = _____					
PDS: ±15% / 20% / 25% Sample#: _____					

ICAP 6000 / 6500 Data Review Checklist	Analysis Date: 9-27-13	Data File: D00 results 15 U74,75	Date of review: 10/1/13
Cal Std ID: M11605 LIMS #: 98519	Analyst: X	Reviewer: RJ	Approved? Yes No

Is Audit Trail turned on or Manual Manipulations addressed? Yes / No (If no, any manual manipulations must be initialed, dated, and reason(s) stated for change)

QC Parameters : 6010 / 200.7 / QSM / Other	YES	NO	YES	NO	Comments:
1) Calibration linearity: r > 0.995 / r > 0.998	✓		✓		
2) ICV: 90-110% / 95-105%	✓		✓		
3) ICB: < 3X IDL / <LOD / <LOQ	✓		✓		
4) ICSA: < ABS LOD	✓		✓		
5) ICSAB: ~~80-120%~~	✓		✓		
6) MRL: 70-130% / 80-120%	✓		✓		
7) MDL Check: >LOD					
8) CCV1/CCB1 (CCV: 90-110%)	✓		✓		
9) CCV2/CCB2 (CCB: < 3X IDL / <LOD / <LOQ)					
10) CCV3/CCB3					
11) CCV4/CCB4					
12) CCV5/CCB5					
13) CCV6/CCB6					
Preparation Batch Parameters	**YES**	**NO**	**YES**	**NO**	
Prep Batch ID#: 45983 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓		✓		
Spiked samples in batch:					
a) 358937 matrix = M	✓	✓	✓	✓	Invalid Dup fail "Y"
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					

BAM 10-1-13

iCAP 6000 / 6500 Data Review Checklist	Analysis Date: 9-27-13	Data File: 0DRESULT VI460	Date of review: 10/1/13
Cal Std ID: M11605 LIMS # : 98528, 19	Analyst:	Reviewer:	Approved? Yes No

Ash Pb 74, 7/75

Is Audit Trail turned on or Manual Manipulations addressed? Yes / No (If no, any manual manipulations must be initialed, dated, and reason(s) stated for change)

QC Parameters : 6010 / 200.7 / QSM / Other	YES	NO	YES	NO	Comments:
1) Calibration linearity: r > 0.995 / r > 0.998	✓		✓		
2) ICV: 90-110% / 95-105%	✓		✓		
3) ICB: < 3X IDL / <LOD / <LOQ	✓		✓		
4) ICSA: < ABS LOD	✓		✓		
5) ICSAB: 80-120%	✓		✓		
6) MRL: 70-130% / 80-120%	✓		✓		
7) MDL Check: >LOD					
8) CCV1/CCB1 (CCV: 90-110%)	✓		✓		
9) CCV2/CCB2 (CCB: < 3X IDL / <LOD / <LOQ)					
10) CCV3/CCB3					
11) CCV4/CCB4					
12) CCV5/CCB5					
13) CCV6/CCB6					
Preparation Batch Parameters	**YES**	**NO**	**YES**	**NO**	
Prep Batch ID#: 45984 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓	✓	✓	✓	Pb >LOD ok samples >10%
Spiked samples in batch:					
a) 98956 matrix = SO	✓	✓	✓	✓	1 fail
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#: a					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					

iCAP 6000 / 6500 Data Review Checklist	Analysis Date: 9-26-13	Data File: DODresults V74	Date of review: 9/30/13
Cal Std ID: 8121605 LIMS #: 98529 39 33 41	Analyst: [illegible]	Reviewer: [illegible]	Approved? Yes No

Is Audit Trail turned on or Manual Manipulations addressed? Yes / No (If no, any manual manipulations must be initialed, dated, and reason(s) stated for change)

QC Parameters : 6010 / 200.7 / QSM / Other	YES	NO	YES	NO	Comments:
1) Calibration linearity: r < 0.995 / r > 0.998	✓		✓		
2) ICV: 90-110% / 95-105%	✓		✓		
3) ICB: < 3X IDL / <LOD / <LOQ	✓		✓		
4) ICSA: < ABS LOD	✓		✓		
5) ICSAB: 80-120%	✓		✓		
6) MRL: 70-130% / 80-120%					
7) MDL Check: >LOD					
8) CCV1/CCB1 (CCV: 90-110%)	✓		✓		
9) CCV2/CCB2 (CCB: < 3X IDL / <LOD / <LOQ)					
10) CCV3/CCB3					
11) CCV4/CCB4					
12) CCV5/CCB5					
13) CCV6/CCB6					
Preparation Batch Parameters	**YES**	**NO**	**YES**	**NO**	
Prep Batch ID#: 45985 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓	✓	✓	✓	>LOD ok samples >10%
Spiked samples in batch:					
a) 358976 matrix = SO	✓	✓	✓	✓	L invalid
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#: a	✓		✓		
Prep Batch ID#: 45986 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓	X 9-30-13	✓		
Spiked samples in batch:					
a) 358996 matrix = SO	✓	✓	✓	✓	L invalid
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: 45987 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓	✓	✓	✓	Pb >LOD ok samples >10%
Spiked samples in batch:					
a) 359012 matrix = SO	✓	✓	✓	✓	L invalid
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: 45989 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓		✓		
Spiked samples in batch:					
a) 360048 matrix = SO	✓	✓	✓	✓	L invalid
b) matrix =					Dup invalid
c) matrix =					
PDS: ±15% / 20% / 25% Sample#: a					

iCAP 6000 / 6500 Data Review Checklist	Analysis Date: 9-27-13	Data File: DODresults1140	Date of review: 10/2/13
Cal Std ID: M1160S | LIMS #: 98540	Analyst: [illegible]	Reviewer: [illegible]	Approved? Yes / No

Is Audit Trail turned on or Manual Manipulations addressed? Yes / No (If no, any manual manipulations must be initialed, dated, and reason(s) stated for change)

QC Parameters : 6010 / 200.7 / QSM / Other	YES	NO	YES	NO	Comments:
1) Calibration linearity: r ≥ 0.995 / r > 0.998	✓		✓		
2) ICV: 90-110% / 95-105%	✓		✓		
3) ICB: < 3XIDL / <LOD / <LOQ	✓		✓		
4) ICSA: < ABS LOD	✓		✓		
5) ICSAB: 80-120%	✓		✓		
6) MRL: 70-130% / 80-120%					
7) MDL Check: >LOD					
8) CCV1/CCB1 (CCV: 90-110%)	✓		✓		
9) CCV2/CCB2 (CCB: < 3X IDL / <LOD / <LOQ)					
10) CCV3/CCB3					
11) CCV4/CCB4					
12) CCV5/CCB5					
13) CCV6/CCB6					
Preparation Batch Parameters	**YES**	**NO**	**YES**	**NO**	
Prep Batch ID#: 45988 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓		✓		
Spiked samples in batch:					
a) 359032 matrix = S	✓	✓	✓	✓	invalid Dup fail %R
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#: a	✓		✓		
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					

CT Laboratories Instrument Run Log

Instrument ID: ICP 6000

Date	Time Start/End	Analyst	Method	LIMS# or Sample #	Sequence I.D.	Nebulizer Pressure	Cal Std ID	Wavelenth Check	Comments
9-9-13	1522 / 1720	ZA	Na, K	97617, 97616, 97623, 97591, 97295, 97327, 97305, 97343	N090913	290	M11605 *	See Journal	V80
9-10-13	0705 / 0810	ZA	Na, K	97724, 97726, 97746, 97617, 116, 97343	N090913	290	M11605	See Journal	V81
9-10-13	1343 / 2115	MOS	As+Pb	97747, 97748, 97749, 97591, 97750, 97755, 97756	As+Pb091013	290	M11605	See Journal	V47
9-11-13	0841 / 1124	ZA	Na, K	97798, 97824, 97827, 97788	N091113	290	M11267	See Journal	V83, V82
9-11-13	1451 / 2216	ZA/MOS	As+Pb	97775, 97797, 97805, 06, 97786, 97776	AsPb 091113	290	M11605	See Journal	V49
9-12-13	1017 / 1815	ZA/MOS	As+Pb	97841, 42, 39, 48, 40, 97851	AsPb091213	290	M11605	See Journal	V51
9-13-13	1409 / 2143	ZA/MOS	As+Pb	97914, 97915, 97916, 97917, 97918, 97919	As+Pb091313	290	M11605	See Journal	V52
9-14-13	1030 / 1820	ZA/MOS	As+Pb	97968, 69, 70, 71, 52, 50	As+Pb091413	290	M11605	See Journal	V53
9-15-13	0833 / 1610	ZA	As+Pb	97974, 80, 81, 82, 72, 73	As+Pb091513	290	M11605	See Journal	V54
9-17-13	1246 / 2119	ZA/MOS	As+Pb	98037, 36, 33, 32, 35, 98034	As+Pb091713	290	M11605	See Journal	V56, V57
9-18-13	1546 / 2333	ZA/MOS	As+Pb	98041, 42, 62, 63, 72, 73	As+Pb	290	M11605	See Journal	V58
9-19-13	0902 / 0953	MOS	Na, K	97929, 98060, 98038	NaK091913	310	M11276	See Journal	V85
9-20-13	1351 / 2030	MOS/ZA	As+Pb	98201, 200, 98172, 71, 98213, 14	AsPb092013	290	M11605	See Journal	V60
9-22-13	0757 / 2200	ZA	As+Pb	98260, 67, 68, 73, 98255, 56, 57	AsPb092213	290	M11605	See Journal	V61, V62
9-23-13	1402 / 1923	MOS/NAH	As+Pb	98307, 98306, 98311, 98309, 98313, 98314	As+Pb092313	290	M11605	See Journal	V63
9-24-13	0754 / 1250	MOS/ZA	As+Pb	98307, 98309, 98313, 98314, 98315	As+Pb092413	290	M11605	See Journal	V64, V67, V66
9-24-13	1301 / 1846	MOS/ZA	As+Pb	98325, 98353, 98326, 98354, 98355	As+Pb092413	290	M11605	See Journal	V68
9-25-13	0937 / 1731	MOS/ZA	As+Pb	98428, 20, 98398, 98400, 98429, 98434, 98460, 98371	As+Pb092513	290	M11605	See Journal	V70
9-26-13	1058 / 1926	MOS/ZA	As+Pb	98458, 63, 64, 68, 69, 74, 98485	As+Pb092613	290	M11605	See Journal	V71
9-27-13	0806 / 0852	~~MOS/ZA~~ 9-27-13	NAK	98500, 98557	N092713	290	M11267	See Journal	V86
9-27-13	1109 / 2010	MOS/ZA	As+Pb	98514, 19, 28, 29, 39, 98533, 41, 43, 20	092713	290	M11605	See Journal	V72, V73, V74
9-30-13	0908 / 1105	ZA	As+Pb	98519, 98528, 43	093013	290	M11605	See Journal	V76

* ZA 9-11-13

CT Laboratories Instrument Run Log

Instrument ID: ICP 6500

Date	Time Start/End	Analyst	Analytes	LIMS run or Samples Analyzed	Sequence ID	Cal Std ID	Neb Pressure	Comments
9-25-13	0912 / 1542	[illegible]	As+Pb DODcal	98430, 98401, 98421, 98402, 98435	AsPb 092513	M11605	140	V76
9-26-13	0942 / 0039	[illegible]	As+Pb	98535, 98506, 98499, 98477, 98478, 98484, 98480, 98479	D092613	M11605	140	V1454
9-27-13	0945 / 0054	[illegible]	DODcal As+Pb	98572, 98542, 98520, 98553, 98528, 30, 98571, 67, 98513, 98540, 98634, 52, 55, 98550, 51	D092713	M11605	140	V1459 9-30-13 V1457, V1458, V1460
9-30-13	0827 / 2102	[illegible]	DODcal	98603, 98602, 98605	D093013	M11605	130	V1461
10-1-13	/	[illegible]	DODcal	98650, 98703	D093013 1001 10-1-13	M11605	130	V
10-2-13	/	[illegible]	DODCal					

Type	Date/Time	Message	User name	Application	Sequence Name
	09/25/2013 16:19:19	Running dup350844 (150)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:21:11	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:23:08	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:25:07	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:27:08	Running mss350844 (151)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:29:08	Running msds350844 (152)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:31:00	Running pdss350844 (153)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:32:52	Running 350845 (154)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:34:46	Running 350846 (155)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:36:41	Running 350847 (156)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:38:44	Running 350848 (157)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:40:46	Running 350849 (158)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:42:40	Running 350850 (159)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:44:41	Running 350851 (160)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:46:33	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:48:30	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:50:30	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:52:30	Running 350852 (161)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:54:24	Running 350853 (162)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:56:18	Running 350854 (163)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 16:58:11	Running 350855 (164)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:00:07	Running 350856 (165)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:02:01	Running 350857 (166)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:03:54	Running 350858 (167)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:05:47	Running 350859 (168)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:07:41	Running 350860 (169)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:09:37	Running 350861 (170)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:11:30	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:13:27	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:15:26	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:17:27	Running 350862 (171)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:19:22	Running 350863 (172)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:21:18	Running lcss45853 (173)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:23:17	Running lcss45854 (174)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:25:14	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:27:14	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:29:12	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:31:11	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/25/2013 17:33:10	Plasma extinguished successfully	NAH	Analyst	
	09/25/2013 17:33:11	Plasma off	NAH	iTEVA Control Center	
	09/25/2013 17:33:12	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 07:46:35	E2208 - : Plasma ignition failed; RF seems OK. Check your sample intr	NAH	Analyst	
	09/26/2013 07:47:07	Plasma On	NAH	iTEVA Control Center	
	09/26/2013 07:47:13	Plasma ignition successful	NAH	Analyst	
	09/26/2013 07:48:00	D33534 - Debug:Wavelength check : x = -1.306, y =2.484	NAH	Analyst	
	09/26/2013 10:58:19	Autosampler Run Started	NAH	Analyst	
	09/26/2013 10:58:19	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 10:58:45	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:00:43	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:02:42	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:04:41	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 11:06:40	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:08:39	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:10:39	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:12:33	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:14:25	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:16:19	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:18:30	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:20:27	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:22:25	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:24:24	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:26:22	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:28:22	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:30:18	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:32:12	Running 360454lcss 45969 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:34:09	Running 360453mbs 45969 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:36:08	Running 357179 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:38:11	Running 357180 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:40:13	Running 357181 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:42:16	Running l357181 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:44:11	Running dup357181 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:46:14	Running mss357181 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:48:14	Running msds357181 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:50:14	Running pdss357181 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:52:14	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:54:10	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:56:10	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 11:58:10	Running 357182 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:00:13	Running 357183 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:02:16	Running 357184 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:04:17	Running 357185 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:06:19	Running 357186 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:08:22	Running 357187 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:10:25	Running 357188 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:12:27	Running 357189 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:14:28	Running 357190 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:16:31	Running 357191 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:18:22	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:20:19	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:22:18	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:24:18	Running 357192 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:26:10	Running 357193 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:28:14	Running 357194 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:30:17	Running 357195 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:32:19	Running 357196 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:34:22	Running 357197 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:36:25	Running 357198 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:38:28	Running 360459lcss 45970 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:40:25	Running 360458mbs 45970 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:42:24	Running 357199 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:44:26	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:46:22	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 12:48:22	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:50:20	Running l357199 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:52:15	Running dup357199 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:54:18	Running mss357199 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:56:18	Running msds357199 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 12:58:10	Running pdss357199 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:00:10	Running 357200 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:02:13	Running 357201 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:04:07	Running 357202 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:06:10	Running 357203 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:08:13	Running 357204 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:10:15	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:12:11	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:14:10	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:16:10	Running 360464lcss 45972 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:18:07	Running 360463mbs 45972 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:20:06	Running 358088 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:22:03	Running 358089 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:23:59	Running 358090 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:25:57	Running 358091 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:27:55	Running 358092 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:29:53	Running 358093 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:31:51	Running 358094 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:33:48	Running 358095 (50)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:35:45	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:37:42	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:39:41	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:41:40	Running 358096 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:43:38	Running 358097 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:45:36	Running 358098 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:47:34	Running 358099 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:49:31	Running 358100 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:51:29	Running 358101 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:53:27	Running 358102 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:55:24	Running 358103 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:57:23	Running 358104 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 13:59:21	Running 358105 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:01:18	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:03:14	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:05:13	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:07:13	Running 358106 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:09:10	Running l358106 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:11:09	Running dup358106 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:13:07	Running mss358106 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:15:02	Running msds358106 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:16:58	Running pdss358106 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:18:53	Running 358107 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:20:51	Running 361999lcss 45973 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:22:49	Running 361998mbs 45973 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:24:49	Running 358108 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:26:45	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 14:28:41	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:30:41	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:32:41	Running 358109 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:34:39	Running 358110 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:36:36	Running 358111 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:38:34	Running 358112 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:40:29	Running 358113 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:42:27	Running 358114 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:44:25	Running 358115 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:46:22	Running 358116 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:48:20	Running 358117 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:50:18	Running 358118 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:52:14	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:54:10	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:56:09	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 14:58:09	Running 358119 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:00:06	Running 358120 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:02:04	Running 358121 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:04:02	Running 358122 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:06:00	Running 358123 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:07:59	Running 358124 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:09:58	Running 358125 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:11:56	Running 358126 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:13:54	Running l358126 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:15:53	Running dup358126 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:17:49	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:19:45	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:21:44	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:23:44	Running mss358126 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:25:39	Running msds358126 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:27:34	Running pdss358126 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:29:29	Running 358127 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:31:27	Running 360472lcss 45974 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:33:25	Running 360471mbs 45974 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:35:25	Running 358128 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:37:23	Running 358129 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:39:22	Running 358130 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:41:19	Running 358131 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:43:16	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:45:12	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:47:12	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:49:12	Running 358132 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:51:09	Running 358133 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:53:08	Running 358134 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:55:06	Running 358135 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:57:05	Running 358136 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 15:59:03	Running 358137 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:01:01	Running 358138 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:02:59	Running 358139 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:04:57	Running 358152 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:06:55	Running 358153 (110)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 16:08:53	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:10:49	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:12:48	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:14:49	Running 358154 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:16:47	Running 358155 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:18:46	Running 358156 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:20:43	Running 358157 (114)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:22:42	Running 358158 (115)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:24:40	Running l358158 (116)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:26:38	Running dup358158 (117)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:28:36	Running mss358158 (118)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:30:31	Running msds358158 (119)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:32:25	Running pdss358158 (120)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:34:19	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:36:16	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:38:15	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:40:15	Running 358159 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:42:14	Running 362555lcss 45975 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:44:13	Running 362554mbs 45975 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:46:13	Running 358160 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:48:10	Running 358161 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:50:07	Running 358162 (126)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:52:05	Running 358163 (127)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:54:04	Running 358164 (128)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:56:01	Running 358165 (129)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:58:01	Running 358166 (130)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 16:59:59	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:01:55	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:03:54	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:05:54	Running 358167 (131)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:07:52	Running 358168 (132)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:09:51	Running 358169 (133)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:11:50	Running 358170 (134)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:13:49	Running 358171 (135)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:15:48	Running 358172 (136)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:17:46	Running 358173 (137)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:19:45	Running 358174 (138)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:21:43	Running 358175 (139)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:23:42	Running 358176 (140)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:25:40	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:27:37	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:29:36	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:31:36	Running 358177 (141)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:33:35	Running 358178 (142)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:35:34	Running l358178 (143)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:37:33	Running dup358178 (144)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:39:33	Running mss358178 (145)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:41:29	Running msds358178 (146)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:43:25	Running pdss358178 (147)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:45:22	Running 358179 (148)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:47:21	Running 360505lcss 45981 (149)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 17:49:20	Running 360504mbs 45981 (150)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:51:19	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:53:15	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:55:14	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:57:15	Running 358878 (151)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 17:59:11	Running 358879 (152)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:01:07	Running 358880 (153)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:03:03	Running 358881 (154)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:05:00	Running 358882 (155)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:06:56	Running 358883 (156)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:08:53	Running 358884 (157)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:10:58	Running 358885 (158)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:12:55	Running 358886 (159)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:14:51	Running 358887 (160)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:16:47	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:18:44	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:20:44	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:22:44	Running 358888 (161)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:24:40	Running 358889 (162)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:26:37	Running 358890 (163)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:28:33	Running 358891 (164)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:30:29	Running 358892 (165)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:32:26	Running 358893 (166)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:34:23	Running 358894 (167)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:36:19	Running 358895 (168)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:38:16	Running 358896 (169)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:40:12	Running 358897 (170)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:42:08	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:44:06	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:46:05	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:48:06	Running l358897 (171)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:50:04	Running dup358897 (172)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:52:01	Running mss358897 (173)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:53:55	Running msds358897 (174)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:55:48	Running pdss358897 (175)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:57:40	Running 358874 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 18:59:34	Running 358875 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:01:29	Running 358876 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:03:26	Running 358877 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:05:21	Running l358877 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:07:19	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:09:17	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:11:16	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:13:15	Running dup358878 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:15:10	Running mss358878 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:17:02	Running msds358878 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:18:54	Running pdss358878 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:20:45	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:22:45	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:24:43	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/26/2013 19:26:42	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 08:48:42	Running 356913 (7)	NAH	Analyst	S_Sodium and Pota
	09/27/2013 08:49:38	Running 357854 (9)	NAH	Analyst	S_Sodium and Pota
	09/27/2013 08:50:34	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	09/27/2013 08:51:33	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	09/27/2013 08:52:31	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	09/27/2013 08:53:25	Autosampler Run Completed	NAH	Analyst	S_Sodium and Pota
	09/27/2013 11:08:46	Autosampler Run Started	NAH	Analyst	
	09/27/2013 11:08:46	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:09:09	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:11:05	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:13:04	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:15:03	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:17:03	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:19:02	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:21:01	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:22:55	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:24:48	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:26:42	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:28:53	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:30:50	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:32:48	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:34:46	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:36:45	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:38:44	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:40:42	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:42:36	Running 360510lcss 45982 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:44:34	Running 360509mbs 45982 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:46:33	Running 358898 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:48:27	Running 358899 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:50:21	Running 358900 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:52:17	Running 358901 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:54:11	Running 358902 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:56:06	Running 358903 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:58:01	Running 358904 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 11:59:56	Running 358905 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:01:51	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:03:47	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:05:46	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:07:46	Running 358906 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:09:41	Running 358907 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:11:38	Running 358908 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:13:33	Running 358909 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:15:27	Running 358910 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:17:30	Running 358911 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:19:25	Running 358912 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:21:21	Running 358913 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:23:16	Running 358914 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:25:11	Running 358915 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:27:08	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:29:04	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:31:04	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 12:33:03	Running 358916 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:34:58	Running l358916 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:36:56	Running dup358916 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:38:51	Running mss358916 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:40:43	Running msds358916 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:42:35	Running pdss358916 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:44:27	Running 358917 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:46:23	Running 360515lcss 45983 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:48:21	Running 360514mbs 45983 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:50:21	Running 358918 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:52:16	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:54:12	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:56:11	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 12:58:10	Running 358919 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:00:06	Running 358920 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:02:01	Running 358921 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:03:58	Running 358922 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:05:53	Running 358923 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:07:50	Running 358924 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:09:45	Running 358925 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:11:49	Running 358926 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:13:43	Running 358927 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:15:40	Running 358928 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:17:34	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:19:30	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:21:29	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:23:28	Running 358929 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:25:23	Running 358930 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:27:18	Running 358931 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:29:13	Running 358932 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:31:08	Running 358933 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:33:03	Running 358934 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:34:58	Running 358935 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:36:55	Running 358936 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:38:50	Running 358937 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:40:47	Running l358937 (50)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:42:44	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:44:40	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:46:39	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:48:38	Running dup358937 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:50:35	Running mss358937 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:52:29	Running msds358937 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:54:22	Running pdss358937 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:56:16	Running 360520lcss 45984 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 13:58:14	Running 360519mbs 45984 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:00:13	Running 358938 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:02:08	Running 358939 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:04:12	Running 358940 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:06:09	Running 358941 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:08:03	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:09:59	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v

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	09/27/2013 14:11:58	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:13:58	Running 358942 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:15:54	Running 358943 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:17:50	Running 358944 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:19:45	Running 358945 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:21:41	Running 358946 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:23:37	Running 358947 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:25:32	Running 358948 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:27:27	Running 358949 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:29:23	Running 358950 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:31:16	Running 358951 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:33:10	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:35:06	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:37:05	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:39:05	Running 358952 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:41:00	Running 358953 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:42:55	Running 358954 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:44:52	Running 358955 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:46:47	Running 358956 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:48:43	Running l358956 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:50:40	Running dup358956 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:52:36	Running mss358956 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:54:29	Running msds358956 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:56:21	Running pdss358956 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 14:58:12	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:00:08	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:02:07	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:04:07	Running 358957 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:06:02	Running 360525lcss 45985 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:08:01	Running 360524mbs 45985 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:10:00	Running 358958 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:11:56	Running 358959 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:13:52	Running 358960 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:15:55	Running 358961 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:17:59	Running 358962 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:19:55	Running 358963 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:21:51	Running 358964 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:23:45	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:25:41	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:27:40	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:29:40	Running 358965 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:31:36	Running 358966 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:33:32	Running 358967 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:35:28	Running 358968 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:37:24	Running 358969 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:39:19	Running 358970 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:41:15	Running 358971 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:43:11	Running 358972 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:45:07	Running 358973 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:47:02	Running 358974 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:48:56	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 15:50:52	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:52:52	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:54:52	Running 358975 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:56:48	Running 358976 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 15:58:44	Running l358976 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:00:42	Running dup358976 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:02:37	Running mss358976 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:04:31	Running msds358976 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:06:24	Running pdss358976 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:08:17	Running 358977 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:10:13	Running 360530lcss 45986 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:12:12	Running 360529mbs 45986 (110)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:14:11	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:16:07	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:18:06	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:20:06	Running 358978 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:22:03	Running 358979 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:23:59	Running 358980 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:25:55	Running 358981 (114)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:27:51	Running 358982 (115)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:29:47	Running 358983 (116)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:31:44	Running 358984 (117)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:33:40	Running 358985 (118)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:35:36	Running 358986 (119)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:37:32	Running 358987 (120)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:39:28	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:41:25	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:43:23	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:45:24	Running 358988 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:47:21	Running 358989 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:49:17	Running 358990 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:51:13	Running 358991 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:53:09	Running 358992 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:55:06	Running 358993 (126)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:57:02	Running 358994 (127)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 16:59:00	Running 358995 (128)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:00:57	Running 358996 (129)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:02:53	Running l358996 (130)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:04:50	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:06:47	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:08:46	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:10:47	Running dup358996 (131)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:12:42	Running mss358996 (132)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:14:36	Running msds358996 (133)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:16:28	Running pdss358996 (134)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:18:22	Running 358997 (135)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:20:17	Running 360535lcss 45987 (136)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:22:16	Running 360534mbs 45987 (137)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:24:17	Running 358998 (138)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:26:14	Running 358999 (139)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:28:09	Running 359000 (140)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 17:30:04	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:32:01	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:34:00	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:36:00	Running 359001 (141)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:37:55	Running 359002 (142)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:39:52	Running 359003 (143)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:41:48	Running 359004 (144)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:43:46	Running 359005 (145)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:45:44	Running 359006 (146)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:47:43	Running 359007 (147)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:49:41	Running 359008 (148)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:51:39	Running 359009 (149)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:53:37	Running 359010 (150)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:55:32	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:57:28	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 17:59:27	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:01:28	Running 359011 (151)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:03:24	Running 359012 (152)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:05:20	Running l359012 (153)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:07:19	Running dup359012 (154)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:09:16	Running mss359012 (155)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:11:09	Running msds359012 (156)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:13:03	Running pdss359012 (157)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:14:57	Running 359013 (158)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:16:54	Running 359014 (159)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:18:50	Running 359015 (160)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:20:46	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:22:44	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:24:44	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:26:44	Running 359016 (161)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:28:40	Running 359017 (162)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:30:37	Running 360545lcss 45989 (163)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:32:36	Running 360544mbs 45989 (164)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:34:36	Running 359038 (165)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:36:33	Running 359039 (166)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:38:31	Running 359040 (167)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:40:27	Running 359041 (168)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:42:24	Running 359042 (169)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:44:21	Running 359043 (170)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:46:16	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:48:14	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:50:13	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:52:14	Running 359044 (171)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:54:09	Running 360648 (172)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:56:07	Running l360648 (173)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 18:58:06	Running dup360648 (174)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:00:05	Running mss360648 (175)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:01:59	Running msds360648 (176)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:03:55	Running pdss360648 (177)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:05:50	Running 360649 (178)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:07:48	Running 360650 (179)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 19:09:43	Running 360651 (180)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:11:39	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:13:36	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:15:36	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:17:34	Running 362040 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:19:30	Running lcss45047 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:21:26	Running mbs45047 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:23:25	Running 362041 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:25:18	Running 362042 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:27:10	Running 362043 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:29:01	Running 362044 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:30:53	Running 362045 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:32:53	Running 362046 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:34:44	Running 362047 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:36:47	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:38:45	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:40:44	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:42:43	Running 362048 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:44:36	Running 362049 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:46:38	Running l362049 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:48:33	Running dup362049 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:50:36	Running mss362049 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:52:36	Running msds362049 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:54:36	Running pdss362049 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:56:36	Running 362050 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 19:58:27	Running 362051 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 20:00:21	Running 362052 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 20:02:13	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 20:04:10	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 20:06:10	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 20:08:09	Running 362053 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 20:10:02	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 20:11:55	QC or Standard : 'CCV1' (not located) -- Ending Sequence	NAH	Analyst	S_As & Pb onlyasx(v
	09/27/2013 20:12:00	Plasma off	NAH	iTEVA Control Center	
	09/27/2013 20:12:00	Plasma extinguished successfully	NAH	Analyst	
	09/27/2013 20:12:02	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 08:13:06	Plasma On	NAH	iTEVA Control Center	
	09/30/2013 08:13:11	Plasma ignition successful	NAH	Analyst	
	09/30/2013 08:13:57	D33534 - Debug:Wavelength check : x = -1.015, y =2.190	NAH	Analyst	
	09/30/2013 09:08:07	Autosampler Run Started	NAH	Analyst	
	09/30/2013 09:08:07	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:08:30	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:10:28	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:12:27	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:14:25	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:16:24	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:18:24	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:20:23	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:22:16	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:24:09	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:26:03	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/30/2013 09:28:15	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:30:12	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:32:10	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:34:08	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:36:07	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:38:07	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:40:02	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:41:56	Running 358919 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:43:51	Running 358920 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:45:45	Running 358921 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:47:41	Running 358922 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:49:36	Running 358923 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:51:32	Running 358924 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:53:26	Running 358925 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:55:30	Running 358926 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:57:25	Running 358927 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 09:59:21	Running 358928 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:01:15	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:03:11	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:05:11	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:07:11	Running 358929 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:09:06	Running 358930 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:11:01	Running 358931 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:12:55	Running 358932 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:14:50	Running 358933 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:16:45	Running 358934 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:18:39	Running 358935 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:20:35	Running 358936 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:22:30	Running 358937 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:24:27	Running l358937 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:26:24	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:28:21	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:30:20	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:32:19	Running dup358937 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:34:16	Running mss358937 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:36:10	Running msds358937 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:38:05	Running pdss358937 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:39:58	Running 360520lcss 45984 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:41:56	Running 360519mbs 45984 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:43:55	Running 358938 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:45:50	Running 358939 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:47:53	Running 358940 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:49:50	Running 358941 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:51:45	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:53:42	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:55:41	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:57:41	Running 362053 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 10:59:33	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 11:01:32	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 11:03:28	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/30/2013 11:05:28	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v

Description
'N080913' - by NAH 16 standards, 1 samples Cal Cal Cal Cal Cal Cal Cal Cal Cal QC QC QC QC QC Unk QC QC Success
'N080913' - by NAH 16 standards, 1 samples Cal Cal Cal Cal Cal Cal Cal Cal Cal QC QC QC QC QC Unk QC QC Success

Description
'nak081413' - by NAH 16 standards, 21 samples Cal Cal Cal Cal Cal Cal Cal Cal Cal QC QC QC QC QC Unk Unk Unk Unk Unk Unk Aborted by User
mer support with this error code.
'nak081413' - by NAH 16 standards, 21 samples Cal Warning Cal Cal Cal Cal Cal

Description
Cal
Cal
Cal
QC
QC
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QC
QC
Unk
QC
QC
Success
19 standards, 84 samples
'nak081913' - by NAH
Cal
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Description
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22 standards, 4 samples
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26 standards, 113 samples
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23 standards, 83 samples
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23 standards, 83 samples
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23 standards, 63 samples
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17 standards, 14 samples
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29 standards, 167 samples
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23 standards, 97 samples
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29 standards, 172 samples
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23 standards, 52 samples
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23 standards, 52 samples
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29 standards, 150 samples
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23 standards, 98 samples
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23 standards, 68 samples
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23 standards, 68 samples
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29 standards, 162 samples
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29 standards, 167 samples
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26 standards, 138 samples
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26 standards, 138 samples
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26 standards, 138 samples

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29 standards, 162 samples
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26 standards, 108 samples
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23 standards, 59 samples
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19 standards, 87 samples
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17 standards, 26 samples
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29 standards, 167 samples
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17 standards, 18 samples
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'as&pb091213' - by NAH 29 standards, 177 samples

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29 standards, 167 samples
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29 standards, 172 samples
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29 standards, 167 samples
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29 standards, 167 samples
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29 standards, 172 samples
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'nak091913' - by NAH
17 standards, 30 samples
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26 standards, 143 samples
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'as&pb092113' - by NAH
23 standards, 59 samples
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29 standards, 170 samples
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'as&pb092313' - by NAH
29 standards, 162 samples
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'as&pb092313' - by NAH
26 standards, 142 samples
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Description
'as&pb092313' - by NAH 26 standards, 112 samples Aborted by User As & Pb onlyasx (Revision 63): As 189.042 {479} Pb 216.999 {455} 23 standards, 82 samples 'aspb092413a' - by NAH Cal Cal Cal Cal Cal Cal Cal Cal Cal Cal QC QC QC QC QC QC QC Unk Unk Unk Unk Unk Unk Unk Unk Unk Unk QC QC QC Unk Unk Unk Aborted by User 23 standards, 72 samples 'aspb092413a' - by NAH Cal Cal Cal Cal Cal Cal Cal

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26 standards, 120 samples
'as&pb092413B' - by NAH
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'as&pb092513' - by NAH
29 standards, 172 samples
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'as&pb092613' - by NAH
29 standards, 175 samples
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'n092713' - by NAH 17 standards, 24 samples Cal Cal Cal Cal Cal Cal Cal Cal Cal QC QC QC QC QC QC Unk Unk Unk Unk Unk Unk Unk Unk Unk Unk QC QC Unk Unk Unk Unk Unk Unk Unk Unk Unk Unk QC QC Unk Unk Unk Unk

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'as&pb092713' - by NAH
29 standards, 180 samples
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'as&pb092713' - by NAH
20 standards, 31 samples
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Type	Date/Time	Message	User name	Application	Sequence Name
	09/25/2013 15:01:52	Running 357166 (114)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:04:00	Running 357167 (115)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:06:08	Running 357168 (116)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:06:51	Closing will close the method and all associated samples.	NAH	Analyst	
	09/25/2013 15:08:17	Running 357169 (117)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:10:26	Running 357170 (118)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:12:35	Running 357171 (119)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:14:43	Running 357172 (120)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:16:50	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:18:57	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:21:10	Running ccb (21)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:23:24	Running 357173 (121)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:23:31	Unable to Set Check Table, ccv1	NAH	Analyst	
	09/25/2013 15:23:31	Unable to Set Check Table, ccv2	NAH	Analyst	
	09/25/2013 15:23:32	Unable to Set Check Table, ccv1	NAH	Analyst	
	09/25/2013 15:23:32	Unable to Set Check Table, ccv2	NAH	Analyst	
	09/25/2013 15:24:06	Closing will close the method and all associated samples.	NAH	Analyst	
	09/25/2013 15:25:33	Running 357174 (122)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:27:42	Running 357175 (123)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:29:51	Running 357176 (124)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:31:59	Running 357177 (125)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:34:08	Running 357178 (126)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:36:15	Running MRL (15)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:38:28	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:40:35	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:42:48	Running ccb (21)	NAH	Analyst	S_As & Pb only(v74)
	09/25/2013 15:45:01	Plasma extinguished successfully	NAH	Analyst	
	09/25/2013 15:45:01	Plasma off	NAH	iTEVA Control Center	
	09/25/2013 15:45:03	Autosampler Run Completed	NAH	Analyst	S_As & Pb only(v74)
	09/26/2013 06:46:15	Plasma On	NAH	iTEVA Control Center	
	09/26/2013 06:46:20	Plasma ignition successful	NAH	Analyst	
	09/26/2013 06:47:00	D33534 - Debug:Wavelength check : x = 2.100, y =0.713	NAH	Analyst	
	09/26/2013 07:47:47	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	09/26/2013 07:48:42	Plasma On	NAH	iTEVA Control Center	
	09/26/2013 07:48:48	Plasma ignition successful	NAH	iTEVA Control Center	
	09/26/2013 07:49:33	D33534 - Debug:Wavelength check : x = 1.760, y =0.631	NAH	iTEVA Control Center	
	09/26/2013 09:36:54	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 09:36:54	Autosampler Run Started	NAH	Analyst	
	09/26/2013 09:37:18	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 09:40:53	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 09:41:10	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 09:41:52	Autosampler Run Started	NAH	Analyst	
	09/26/2013 09:41:52	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 09:42:16	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 09:45:49	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 09:49:27	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 09:53:06	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 09:56:44	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:00:23	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:04:02	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:07:40	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 10:11:15	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:14:44	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:17:50	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:20:48	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:24:26	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:28:14	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:31:51	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:35:24	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:39:04	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:42:13	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:45:47	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:49:25	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:53:03	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 10:56:40	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:00:16	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:03:32	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:07:10	Running 365501 (1)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:10:49	Running msw365501 (2)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:14:04	Running msdw365501 (3)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:17:18	Running 365505 (4)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:20:53	Running 365507 (5)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:24:29	Running 365508 (6)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:28:10	Running 365509 (7)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:31:50	Running 365512 (8)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:35:25	Running 365513 (9)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:38:57	Running 365514 (10)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:42:32	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:45:31	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:48:49	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:52:28	Running 365515 (11)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:56:04	Running 365516 (12)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 11:59:37	Running 365517 (13)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:03:15	Running 365518 (14)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:06:53	Running 365519 (15)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:10:31	Running 365520 (16)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:14:10	Running 365521 (17)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:17:48	Running 367146 (18)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:21:22	Running 367147 (19)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:24:56	Running 367148 (20)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:28:31	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:31:31	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:34:48	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:38:26	Running 367149 (21)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:42:03	Running 367150 (22)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:45:37	Running msw367150 (23)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:49:28	Running msdw367150 (24)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:53:18	Running 365529 (25)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 12:57:09	Running 365538 (26)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:01:00	Running 365539 (27)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:04:41	Running 365540 (28)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:08:32	Running 365541 (29)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 13:12:21	Running 365542 (30)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:16:02	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:19:02	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:22:20	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:25:59	Running 368033 (31)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:29:50	Running 368034 (32)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:33:40	Running 368035 (33)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:37:30	Running 368036 (34)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:41:21	Running lcsw46073/74 (35)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:44:58	Running mbw46073/74 (36)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:48:36	Running 356911 (37)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:52:06	Running msw356911 (38)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:55:41	Running msdw356911 (39)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 13:59:15	Running pdsw356911 (40)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:02:52	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:05:51	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:09:08	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:12:48	Running 357757 (41)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:16:37	Running msw357757 (42)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:19:35	Closing will close the method and all associated samples.	NAH	Analyst	
	09/26/2013 14:20:14	Running msdw357757 (43)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:23:49	Running pdsw357757 (44)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:27:18	Running 358813 (45)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:30:43	Running 362951 (46)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:34:12	Running 355704 (47)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:37:46	Running 355978 (48)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:41:17	Running 355979 (49)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:44:48	Running 355980 (50)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:48:19	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:51:19	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:52:09	Closing will close the method and all associated samples.	NAH	Analyst	
	09/26/2013 14:54:37	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 14:58:15	Running 355981 (51)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:01:47	Running 356937 (52)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:05:20	Running 357851 (53)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:08:48	Running 357852 (54)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:12:22	Running 358448 (55)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:15:56	Running 362651 (56)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:19:47	Running 362652 (57)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:23:29	Running lcss45976 (58)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:27:06	Running mbs45976 (59)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:30:46	Running 358180 (60)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:34:14	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:37:23	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:40:41	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:44:19	Running 358181 (61)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:47:51	Running 358182 (62)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:51:32	Running 358183 (63)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:55:14	Running 358184 (64)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 15:58:55	Running 358185 (65)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:02:26	Running 358186 (66)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 16:06:09	Running 358187 (67)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:09:49	Running 358188 (68)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:13:31	Running 358189 (69)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:17:16	Running 358190 (70)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:20:56	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:23:57	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:27:15	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:30:55	Running 358191 (71)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:34:36	Running 358192 (72)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:38:04	Running 358193 (73)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:41:29	Running 358194 (74)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:44:58	Running 358195 (75)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:48:31	Running 358196 (76)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:52:01	Running 358197 (77)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:55:34	Running 358198 (78)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 16:58:57	Running l358198 (79)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:02:29	Running dup358198 (80)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:05:52	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:08:52	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:12:11	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:15:50	Running mss358198 (81)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:19:17	Running msds358198 (82)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:22:41	Running pdss358198 (83)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:26:02	Running 358199 (84)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:29:42	Running lcss45977 (85)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:33:21	Running mbs45977 (86)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:36:58	Running 358200 (87)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:40:24	Running l358200 (88)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:43:55	Running dup358200 (89)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:47:22	Running mss358200 (90)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:50:46	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:53:47	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 17:57:05	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:00:45	Running msds358200 (91)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:04:08	Running pdss358200 (92)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:07:31	Running 358201 (93)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:11:00	Running 358202 (94)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:14:35	Running 358203 (95)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:18:03	Running 358204 (96)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:21:27	Running 358205 (97)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:24:56	Running 358206 (98)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:28:25	Running 358207 (99)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:31:57	Running 358208 (100)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:35:25	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:38:26	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:41:44	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:45:24	Running 358209 (101)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:49:09	Running 358210 (102)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:52:54	Running 358211 (103)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 18:56:39	Running 358212 (104)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:00:23	Running 358213 (105)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 19:03:55	Running 358214 (106)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:07:35	Running lcss45978 (107)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:11:12	Running mbs45978 (108)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:14:52	Running 358818 (109)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:18:28	Running 358819 (110)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:21:49	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:24:50	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:28:09	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:31:49	Running 358820 (111)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:35:24	Running 358821 (112)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:38:48	Running 358822 (113)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:42:07	Running 358823 (114)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:45:29	Running 358824 (115)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:49:06	Running 358825 (116)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:52:31	Running 358826 (117)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:55:51	Running 358827 (118)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 19:59:14	Running 358828 (119)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:02:34	Running 358829 (120)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:05:57	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:08:58	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:12:16	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:15:57	Running 358830 (121)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:19:19	Running 358831 (122)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:22:42	Running 358832 (123)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:26:20	Running 358833 (124)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:29:42	Running 358834 (125)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:33:18	Running 358835 (126)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:36:38	Running 358836 (127)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:40:15	Running l358836 (128)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:43:46	Running dup358836 (129)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:47:15	Running mss358836 (130)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:50:50	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:53:51	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 20:57:11	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:00:51	Running msds358836 (131)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:04:25	Running pdss358836 (132)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:07:52	Running 358837 (133)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:11:16	Running lcss45979 (134)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:14:53	Running mbs45979 (135)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:18:34	Running 358838 (136)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:22:12	Running 358839 (137)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:25:41	Running 358840 (138)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:29:16	Running 358841 (139)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:32:54	Running 358842 (140)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:36:19	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:39:20	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:42:39	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:46:20	Running 358843 (141)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:49:41	Running 358844 (142)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:53:09	Running 358845 (143)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 21:56:32	Running 358846 (144)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	09/26/2013 21:59:57	Running 358847 (145)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:03:19	Running 358848 (146)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:06:57	Running 358849 (147)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:10:23	Running 358850 (148)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:13:44	Running 358851 (149)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:17:20	Running 358852 (150)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:20:50	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:23:52	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:27:11	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:30:52	Running 358853 (151)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:34:14	Running 358854 (152)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:37:41	Running 358855 (153)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:41:02	Running 358856 (154)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:44:39	Running 358857 (155)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:48:07	Running l358857 (156)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:51:38	Running dup358857 (157)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:55:06	Running mss358857 (158)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 22:58:33	Running msds358857 (159)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:01:58	Running pdss358857 (160)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:05:25	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:08:25	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:11:45	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:15:26	Running lcss45980 (161)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:19:04	Running mbs45980 (162)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:22:45	Running 358858 (163)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:26:14	Running 358859 (164)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:29:50	Running 358860 (165)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:33:26	Running 358861 (166)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:36:50	Running 358862 (167)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:40:26	Running 358863 (168)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:43:54	Running 358864 (169)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:47:29	Running 358865 (170)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:50:51	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:53:53	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	09/26/2013 23:57:12	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:00:53	Running 358866 (171)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:04:29	Running 358867 (172)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:07:50	Running 358868 (173)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:11:25	Running 358869 (174)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:15:00	Running 358870 (175)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:18:40	Running 358871 (176)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:22:19	Running 358872 (177)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:25:45	Running 358873 (178)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:29:05	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:32:44	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:35:47	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:39:06	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:42:45	Plasma extinguished successfully	NAH	Analyst	
	09/27/2013 00:42:45	Plasma off	NAH	iTEVA Control Center	
	09/27/2013 00:42:47	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 00:42:49		NAH	iTEVA Control Center	

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 06:45:26	iTEVA loaded	NAH	iTEVA Control Center	
	09/27/2013 06:45:44	Connected to instrument 20082101	NAH	iTEVA Control Center	
	09/27/2013 08:14:25	Plasma On	NAH	iTEVA Control Center	
	09/27/2013 08:14:29	Plasma ignition successful	NAH	Analyst	
	09/27/2013 08:15:08	D33534 - Debug:Wavelength check : x = 1.963, y =0.744	NAH	Analyst	
	09/27/2013 09:44:40	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 09:44:40	Autosampler Run Started	NAH	Analyst	
	09/27/2013 09:45:03	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 09:48:39	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 09:52:18	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 09:55:56	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 09:59:36	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:03:15	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:06:55	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:10:33	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:14:09	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:17:39	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:20:46	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:23:45	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:27:25	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:31:14	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:34:52	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:38:28	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:42:07	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:45:16	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:48:50	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:52:29	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:56:08	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 10:59:45	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:03:21	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:06:40	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:10:18	Running 367561 (1)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:13:50	Running msw367561 (2)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:15:42	Closing will close the method and all associated samples.	NAH	Analyst	
	09/27/2013 11:17:18	Running msdw367561 (3)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:20:45	Running 367581 (4)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:24:19	Running 367582 (5)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:27:53	Running 367583 (6)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:31:27	Running 367584 (7)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:35:05	Running 367585 (8)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:38:40	Running 367586 (9)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:42:16	Running 368121 (10)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:45:47	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:48:47	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:52:04	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:55:44	Running 368124 (11)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 11:59:14	Running 368125 (12)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:02:44	Running 368126 (13)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:06:13	Running 368127 (14)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:09:47	Running 368128 (15)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:13:19	Running 368129 (16)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 12:16:54	Running 369265 (17)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:20:31	Running 369277 (18)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:24:07	Running 369278 (19)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:27:41	Running 369280 (20)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:31:13	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:34:14	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:37:32	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:41:11	Running 369281 (21)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:44:50	Running 369382 (22)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:48:19	Running msw269382 (23)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:51:49	Running msdw269382 (24)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:55:20	Running 369284 (25)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 12:58:51	Running 369285 (26)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:02:23	Running 369286 (27)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:05:54	Running 369287 (28)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:09:26	Running 369288 (29)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:13:06	Running 269423 (30)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:16:56	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:20:03	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:23:21	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:27:01	Running 369294 (31)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:30:53	Running msw369294 (32)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:34:21	Running msdw369294 (33)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:37:52	Running 369299 (34)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:39:38	Closing will close the method and all associated samples.	NAH	Analyst	
	09/27/2013 13:39:45	Closing will close the method and all associated samples.	NAH	Analyst	
	09/27/2013 13:39:50	Closing will close the method and all associated samples.	NAH	Analyst	
	09/27/2013 13:41:45	Running 369300 (35)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:45:37	Running 369301 (36)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:49:28	Running 369302 (37)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:53:16	Running 369303 (38)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 13:57:07	Running 369304 (39)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:00:58	Running 369750 (40)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:04:32	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:07:33	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:10:52	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:14:32	Running 369751 (41)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:18:07	Running 369752 (42)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:21:39	Running 369753 (43)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:25:10	Running 369754 (44)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:28:45	Running 369755 (45)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:32:23	Running 369756 (46)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:36:11	Running 369757 (47)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:39:47	Running 369758 (48)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:43:21	Running 369760 (49)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:46:57	Running 369762 (50)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:50:33	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:53:34	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 14:56:52	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:00:33	Running lcsw45939/40 (51)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:04:15	Running mbw45939/40 (52)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 15:07:55	Running 354875 (53)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:11:30	Running l354875 (54)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:15:07	Running dup354875 (55)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:18:42	Running pdsw354875 (56)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:22:23	Running 354881 (57)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:25:59	Running 354887 (58)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:29:35	Running 354889 (59)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:33:15	Running 354891 (60)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:36:59	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:40:01	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:43:17	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:46:57	Running lcsw46119 (61)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:50:49	Running mbw46119 (62)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:54:29	Running 357031 (63)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 15:58:05	Running l357031 (64)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:01:39	Running dup357031 (65)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:03:46	Closing will close the method and all associated samples.	NAH	Analyst	
	09/27/2013 16:05:14	Running msw357031 (66)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:09:06	Running msdw357031 (67)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:12:56	Running pdsw357031 (68)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:16:19	Running 357033 (69)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:19:54	Running 357035 (70)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:23:34	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:26:35	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:29:54	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:33:34	Running 357037 (71)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:37:09	Running 357039 (72)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:40:44	Running 357041 (73)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:44:36	Running 357043 (74)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:48:10	Running 357045 (75)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:52:01	Running 357047 (76)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:55:43	Running 363186 (77)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 16:59:18	Running 363194 (78)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:02:54	Running 363196 (79)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:06:29	Running 363198 (80)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:10:05	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:13:07	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:16:25	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:20:05	Running 363200 (81)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:23:41	Running 363202 (82)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:27:16	Running 363204 (83)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:30:51	Running 363206 (84)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:34:27	Running 363208 (85)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:38:03	Running 363210 (86)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:41:39	Running 363214 (87)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:45:15	Running lcsw46122\119 (88)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:48:57	Running mbw46122\199 (89)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:52:37	Running 356958 (90)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:56:20	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 17:59:22	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:02:40	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 18:06:20	Running 356961 (91)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:09:55	Running 356963 (92)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:13:29	Running 356965 (93)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:17:02	Running l356965 (94)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:20:38	Running dup356965 (95)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:24:12	Running msw356965 (96)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:27:52	Running msdw356965 (97)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:31:33	Running pdsw356965 (98)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:35:01	Running 356967 (99)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:38:35	Running 356969 (100)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:42:09	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:45:11	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:48:29	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:52:09	Running 356971 (101)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:55:44	Running 356973 (102)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 18:59:25	Running 356975 (103)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:02:59	Running 356977 (104)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:06:32	Running 356979 (105)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:10:14	Running 356981 (106)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:13:49	Running 356983 (107)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:17:40	Running 357017 (108)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:21:14	Running 357019 (109)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:24:48	Running 357021 (110)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:28:23	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:31:25	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:34:42	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:38:23	Running 357023 (111)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:41:58	Running 357025 (113)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:45:33	Running 357027 (114)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:49:08	Running 357029 (112)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:52:43	Running lcss45988 (115)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 19:56:21	Running mbs45988 (116)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:00:02	Running 359018 (117)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:03:27	Running 359019 (118)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:06:54	Running 359020 (119)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:10:26	Running 359021 (120)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:13:53	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:16:55	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:20:13	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:23:54	Running 359022 (121)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:27:31	Running 359023 (122)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:30:57	Running 359024 (123)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:34:28	Running 359025 (124)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:37:54	Running 359026 (125)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:41:39	Running 359027 (126)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:45:21	Running 359028 (127)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:48:58	Running 359029 (128)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:52:22	Running 359030 (129)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:55:47	Running 359031 (130)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 20:59:13	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:02:16	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	09/27/2013 21:05:34	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:09:15	Running 359032 (131)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:12:53	Running l359032 (132)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:16:21	Running dup359032 (133)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:19:41	Running mss359032 (134)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:23:08	Running msds359032 (135)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:26:43	Running pdss359032 (136)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:30:03	Running 359033 (137)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:33:28	Running 359034 (138)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:37:06	Running 359035 (139)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:40:28	Running 359036 (140)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:43:50	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:46:52	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:50:09	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:53:51	Running 359037 (141)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 21:57:12	Running lcss46045 (142)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:00:51	Running mbs46045 (143)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:04:33	Running 362016 (144)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:08:15	Running 362017 (145)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:11:48	Running 362018 (146)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:15:26	Running 362019 (147)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:19:06	Running 362020 (148)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:22:44	Running 362021 (149)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:26:21	Running 362022 (150)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:30:01	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:33:05	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:36:23	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:40:05	Running 362023 (151)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:43:47	Running 362024 (152)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:47:25	Running 362025 (153)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:51:03	Running 362026 (154)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:54:38	Running 362027 (155)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 22:58:19	Running 362028 (156)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:01:59	Running 362029 (157)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:05:40	Running 362030 (158)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:09:18	Running 362031 (159)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:12:41	Running 362032 (160)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:16:26	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:19:29	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:22:47	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:26:29	Running 362033 (161)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:29:58	Running 362034 (162)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:33:43	Running 362035 (163)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:37:10	Running l362035 (164)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:40:43	Running dup362035 (165)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:44:11	Running mss362035 (166)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:47:34	Running msds362035 (167)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:50:59	Running pdss362035 (168)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:54:25	Running lcss46046 (169)	NAH	Analyst	S_DOD Calibration 1
	09/27/2013 23:58:04	Running mbs46046 (170)	NAH	Analyst	S_DOD Calibration 1
	09/28/2013 00:01:47	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1

M11692 09/04/13 As 1000mg/L SPEX certiprep Lot#18-131ASY ex. 8/30/14
MAS

M11693 09/04/13 Pb 1000mg/L SPEX certiprep Lot# 19-01PBY ex. 8/30/14
MAS

09/05/13 15F TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB.565) and 128.6mL 10N NaOH (#M11507). Dilute to 20L with D.I. H_2O and mix. pH=4.93 ± 0.05
Exp: 09/05/14

09/05/13 15F Potassium permanganate soln: 50g potassium permanganate (#M11285) dissolve into 1,000mL of D.I. H_2O.
Exp: 03/05/14

9/12/13 (3F AS 1000mg/L Spex Certiprep Lot#18-131ASY Exp: 09/30/14

09/12/13 15F Pb 1000mg/L Spex Certiprep Lot#19-01PBY Exp: 09/30/14

9/17/13 15F Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

/17/13 15F Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

/17/13 15F Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11699) into 100ml = 3.0ug/L Hg

/17/13 15F Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

9/17/13 15F Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 11699) into 100ml = 0.2ug/L Hg

/17/13 15F Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

/17/13 15F Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11558) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

9/18/13 15F Potassium persulfate: 50g potassium persulfate (#M10573) dissolve into 1,000mL of D.I. H_2O.
Exp: 03/18/14

#M11707 09/23/13 15F As 1000mg/L Spex Certiprep Lot# 18-131ASY Exp: 09/30/14

#M11708 09/23/13 15F Pb 1000mg/L Spex Certiprep Lot# 19-01PBY Exp: 09/30/14

#M11692 09/04/13 As 1000mg/L SPEX certiprep Lot# 18-131ASY ex. 8/30/14
MAS

#M11693 09/04/13 Pb 1000mg/L SPEX certiprep Lot# 19-01PBY ex. 8/30/14
MAS

#M11694 09/05/13 15F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H_2O. Add 114mL
Exp: 09/05/14 Glacial Acetic Acid (AB: 565) and ~~18~~ 8.6mL 10N NaOH
(#M11507). Dilute to 20L with D.I. H_2O and ~~mix~~
pH = 4.93 ± 0.05

#M11695 09/05/13 15F Potassium permanganate soln: 50g potassium permanganate (#M11285)
Exp: 03/05/14 dissolve into 1,000mL of D.I. H_2O.

#M11696 09/12/13 15F AS 1000mg/L SPEX Certiprep Lot# 18-131ASY Exp: 09/30/14

#M11697 09/12/13 15F Pb 1000mg/L SPEX Certiprep Lot# 19-01PBY Exp: 09/30/14

#M11698 09/17/13 15F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11699 09/17/13 15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11700 09/17/13 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11699) into 100ml = 3.0ug/L Hg
#M11701 09/17/13 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11702 09/17/13 15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11699) into 100ml = 0.2ug/L Hg
#M11703 09/17/13 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11704 09/17/13 15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11558) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11705 09/18/13 15F Potassium persulfate: 50g potassium persulfate (#M10573) dissolve into 1,000mL of
Exp: 03/18/14 D.I. H_2O.

#M11706 09/19/13 15F NaCl Hydroxylamine Sulfate Reagent: Dissolve into 60g NaCl (#M9574) and 60g
Exp: 03/19/14 Hydroxylamine Sulfate (#M11336) in 500mL Milli-Q H_2O.

#M11707 09/23/13 15F As 1000mg/L spex certiprep Lot# 18-131ASY

#M11708 09/23/13 15F Pb 1000mg/L spex certiprep Lot# 19-01PBY

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#M11677 8-20-13 As 1000mg/L Spex Certiprep lot # 18-13ASO ex 8/30/14

#M11678 8-20-13 Pb 1000 mg/L Spex Certiprep lot# 19-01PBY ex: 8/30/14

#M11679 8-20-13 S 10,000 mg/L SPC Science lot# S13072402L 02/5/15

#M11680 08/22/13 SF (Fisher) Hydroxylamine Sulfate lot#1274466 Exp: 08/22/14

#M11681 8-22-13 Spex Certiprep lot# 4-20NY ex 8/14 (Custom Ass. Std)

#M11682 8-22-13 CPI Pb, 10,000 mg/L lot# 11J007 ex 2/15

#M11683 08/22/13 SF TCLP Extraction Fluid #1: Fill a 2gal carboy w/1 gal D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 565) and 128.6mL 10N NaOH (#M110507). Dilute to 2gal with D.I. H2O and mix. pH=4.95±0.0
Exp: 08/22/14

#M11684 08/22/13 SF TCLP Extraction Fluid #1: Fill a 2gal carboy w/1 gal D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 565) and 128.6mL 10N NaOH (#M110507). Dilute to 2gal with D.I. H2O and mix. pH=4.95±0.05
Exp: 08/22/14

et 10mls
WI DI H2O

8-19-13

pipet 50mls
ask WI DI H2O.

2/15

2/15

2/15

2/15

ansfer (#M11285)
f D.I. H2O.

(#M11493) and
M113376) in 50ml

#M11685 08/29/13 SF — Hg Working Stds: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
- 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
- 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
- 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
- 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
- 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11686 08/29/13 SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
- 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11687 08/29/13 SF — Hg ICV / LCSW (0.2% HNO3, HCl)
- 3.0ml of 100ug/L Hg (#M11686) into 100ml = 3.0ug/L Hg

#M11688 08/29/13 SF — Hg CCV (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11689 08/29/13 SF — Hg MRL: (0.2% HNO3, HCl)
- 0.2ml of 100ug/L Hg (#M11686) into 100ml = 0.2ug/L Hg

#M11690 08/29/13 SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11691 08/29/13 SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11558) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11618 8-13-13 MRL/ICVLL into 1000 ml vol flask pipet the
master standard following ->

.5% HCl, HNO3

Bring up to Mark
with DI H2O.

ex 1/2/13

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	20	M11170	1000	1
Al	400	M11537	10000	2
Ba	10	M11052	1000	0.5
Be	4	M11239	1000	0.2
Cd	5	M11242	1000	0.25
Co	10	M11355	1000	0.5
Cr	10	M11053	10000	0.05
Cu	10	M11051	10000	0.05
Mg	500	M11536	10000	2.5
Mn	10	M11054	10000	0.05
Mo	10	M11357	1000	0.5
Ni	10	M11358	1000	0.5
Pb	10	M11400	1000	0.5
Sb	20	M11172	1000	1
V	10	M11241	1000	0.5
Zn	10	M11240	10000	0.05
K	1000	M11243	10000	5
Na	1000	M11366	10000	5
As	20	M11173	1000	1.
Ca	500	M11539	10000	2.5
Fe	300	M11535	10000	1.5
Se	20	M11171	10000	0.1
Tl	20	M11361	1000	1
Si	100	M11356	1000	5
B	20	M11205	1000	1
Li	20	M11362	1000	1
W	50	M11365	1000	2.5
Tl	10	M11364	1000	0.5
Sr	10	M11360	1000	0.5
Sn	50	M11359	1000	2.5
S	100	M11343	1000	5

#M11677 8-20-1

#M11678 8

#M11679

#M11680 08/22/13

#M11681 8-2

#M11682 8-2

#M11683 08/22/1

#M11684 08/22/13

#M11619 8-13-13 MRL into 500 ml vol flask pipet 10mls
.5% HCl, HNO3 of Master std #M11618. Bring up to Mark WI DI H2O

#M11620 8-13-13 ICVLL into 500 ml vol flask pipet 50mls
0.5% HCl, HNO3 of Master std #M11618. Bring up to Mark WI DI H2O.

#M11621 8-19-13 Na 1000 mg/L CPI Lot 13E226 ex 2/15

#M11622 8-19-13 Fe 10,000 mg/L CPI Lot 13H100 ex 2/15

#M11623 8-19-13 K 10,000 mg/L CPI Lot 13H099 ex 2/15

#M11624 8-19-13 K 1000 mg/L CPI Lot 13E108 ex 2/15

#M11675 08/20/13 15F Potassium permanganate soln: 50g potassium permanganate (#M11285)
Exp: 02/20/14 dissolve into 1000ml of D.I. H2O.

#M11676 08/20/13 15F NaCl Hydroxylamine Sulfate Reagent: Dissolve into 60g NaCl (#M11493) and
60g hydroxylamine sulfate (#M11336) in 500ml
Exp: 02/20/14 Milli-Q H2O.

#M11606 8-7-13 5% HCL 5% HNO3

Continuing Calibration Standard 1(CCV1)

Into a one liter volmetric flask pipet 50mls of # M11584b (ex 07/14) and 5 ml of #M11585 (ex 07/14).
ex. 07/14
Bring up to mark with DI H2O

#M11607 8-7-13 5% HCL + HNO3

Continuing Calibration Standard 2(CCV2)

Into a one liter volmetric flask pipet 5 mls of # M11584b (ex 7/14) and 0.5 ml of #M11585 (ex 07/14).
ex. 7/14
Bring up to mark with DI H2O

#M11608 8-7-13 5% HCL + HNO3

Initial Calibration Standard (ICV)

Into one liter volumetric flask pipet 10 mls of M11542 (ex 6/14) 2.0 mls of #m11399 (ex 03/14) and 0.5 mls #M11357 Mo (ex 08/14) and 0.5 mls of #M11205 B (ex 5/14) bring up to mark with DI H2O

INO3 (AB: 554)

Chloride (#M11558) in

#M11609 8-7-13 5% HCL 5% HNO3

ICSAB (DODcal) into 500 ml vol flask pipet 50 mls #M11399 2.5 mls #M11584b, 2.5 mls #M11585, 15 mls #M11535. Bring up to mark w/ DI H_2O. ex 3/14.

3-195NY

#M11610 5% HCL 8-7-13 5% HNO3

ICSA (DODcal) Into 500 ml vol flask pipet 50 mls #M11399 15 mls #M11535 bring up to mark with DI H_2O ex 3/14

#M11611 08/13/13 SF

Hg Working Stds: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11612 08/13/13 SF

Hg Alt Source Working Std: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11613 08/13/13 SF

Hg ICV / LCSW (0.2% HNO3, HCl)

3.0ml of 100ug/L Hg (#M 11612) into 100ml = 3.0ug/L Hg

#M11614 08/13/13 SF

Hg CCV (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11615 08/13/13 SF

Hg MRL: (0.2% HNO3, HCl)

0.2ml of 100ug/L Hg (#M 11612) into 100ml = 0.2ug/L Hg

#M11616 08/13/13 SF

Hg Aqua Regia Reagent:

"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554) ,.

#M11617 08/13/13 SF

Stannous Chloride Reagent:

Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11558) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

ug/L std
tric flask= 1000 ug/L std

0 mls #M11400 Pb (ex 3-14),

,10 mls #M11537 AL (ex 12/14)

), 50 mls #M11537 AL (ex 12/14)

2/14),100 mls #M11537 AL (ex 12/14)

ex 2-14

#M11597 08/05/13/SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11598 08/05/13/SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11599 08/05/13/SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11598) into 100ml = 3.0ug/L Hg
#M11600 08/05/13/SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11601 08/05/13/SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11598) into 100ml = 0.2ug/L Hg
#M11602 08/05/13/SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11603 08/05/13/SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11558) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11604 8-6-13 Spex Certiprep Certum Assurance Std Lot # 3-195NY ex Aug 2014.
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#M11605
8-7-13
A

ICAP Working Standards

5% HNO3 5%HCL

Standard name	Pipet the following respectively:
0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standard 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M11584b(ex 07/14) and 1.0 mls of #M11585 (ex 07/14) into 1000 ml volumectric flask= 100 ug/L std
1000	10.0 mls of #M11584b(ex 07/14) and #M11585 (ex 07/14) and 1 mL of #M11356 Si into 1000 ml volumetric flask= 1000 ug/L std
10,000	100 mls #M11584b (ex 07/14),100 mls #M11585 (ex 07/14),
100k	10 mls of #M11051 Cu (ex 2/14) , 10 mls of #M11054 Mn (ex 2/14) , 10 mls of #M11053 Cr (ex 2/14), 100 mls #M11400 Pb (ex 3-14), 10 mls zn #M11240(ex 6-14), 10 mls #M11366 Na (ex 8/14)= 100,000 ug/L 10 mls #11607 AS (ex 8/14)
100,000	10 mls of #M11536 Mg (ex 12/14) , 10 mls of #M11535 Fe (ex 12/14) ,10 mls of #M11539 Ca (ex 12/14),10 mls #M11537 AL (ex 12/14) , into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M11536 Mg (ex 12/14) , 50 mls of #M11535 Fe (ex 12/14) ,50 mls of #M11539 Ca (ex 12/14), 50 mls #M11537 AL (ex 12/14) into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M11536 Mg (ex 12/14) , 100 mls of #M11535 Fe (ex 12/14) ,100 mls of #M11539 Ca (ex 12/14),100 mls #M11537 AL (ex 12/14) into 1000 ml vol flask = 1,000,000 ug/l std Bring the 1000 ml volumetric up to mark with DI H2O

ex 2-14

#M11606 C
8-7-13 A
5% HCL
5% HNO3

#M11607 C
8-7-13 A
5% HCL + HNO3

#M11608 I
8-7-13 A
5% HCL
+ HNO3

#M11609 I
5% HCL 8-7-13
5% HNO3 A

#M11610
5% HCL 8-7-13
5% HNO3 A

#M11611 08/13/13/SF

#M11612 08/13/13/SF

#M11613 08/13/13/SF

#M11614 08/13/13/SF

#M11615 08/13/13/SF

#M11616 08/13/13/SF

#M11617 08/13/13/SF

H2O. Add 114mL
and 128.6mL
dilute to 2oL with H2O
0.05

1938, product # 39043

#10-70YP

product 50 mls
11573 & M11085.
9/13

H2O. Add 114mL
6mL 10N NaOH
H2O and mix.

#M11584b 7-29-13 Custum Assurance std 100mg/L(22) Spex Certiprep Lot# 20-105CR.
7A ex 7/14.

#M11585 7-29-13 Custum Assurance std 100mg/L(3) Spex Certiprep Lot# 20-104CR.
7A ex 7/14

#M11586 07/30/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11587 07/30/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11588 07/30/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11587) into 100ml = 3.0ug/L Hg
#M11589 07/30/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11590 07/30/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11587) into 100ml = 0.2ug/L Hg
#M11591 07/30/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11592 07/30/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11492) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11593 07/31/13 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve into 60g NaCl (#M11493) and 60g hydroxylamine Sulfate (#M11376) in 500mL Milli-Q H2O.
Exp: 01/31/13

#M11594 07/31/13 MDS TCLP Extraction Fluid #1: Fill a 20L Carboy with 19L D.I. H2O. Add 114mL Glacial Acetic (AB.565) and 128.6mL 10N NaOH (M11507). Dilute to 20L with D.I. H2O + mix.
pH = 4.93±0.05

#M11595 07/31/13 MDS TCLP Extraction Fluid #1: Fill a 20L Carboy with 19L D.I. H2O. Add 114mL Glacial Acetic (AB.565) and 128.6mL 10N NaOH (M11507). Dilute to 20L with D.I. H2O.
pH = 4.93±0.05

#M11596 08/02/13 SF Potassium permanganate Soln: 50g Potassium permanganate (#M11285) dissolve into 1000mL of D.I. H2O.
Exp: 02/02/14

(AB: 554)

w/ D.I. H2O.

with D.I. H2O.

#M11571 07/16/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H_2O. Add 114 mL Glacial Acetic Acid (AB: 565) and 128.6 mL 10N NaOH (#M11507). ~~Dilute~~ Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 07/16/14

#M11572 07/16/13 MDS Nickel Nitrate Matrix Modifier Sol'n Alfa Aesar - Specpure Lot # 32-441193E, product # 39043
exp. 07/14

M11573 07/16/13 JA Spex Certiprep Custom Assurance std Lot # 10-70YP
ex 7/30/14

M11574 7-17-13 JA ICSAB into 500 mL vol flask pipet 50 mls of #M11399 15 mls #M11535 2.5 mls of #M11573 + M11585
ex 8/13
Bring up to mark with DI H_2O ex 9/13

#M11575 07/23/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H_2O. Add 114 mL Glacial Acetic (AB: 565) and 128.6 mL 10N NaOH (#M11507). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 07/23/14

M11576 07/24/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
M11577 07/24/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
M11578 07/24/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11577) into 100ml = 3.0ug/L Hg
M11579 07/24/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
M11580 07/24/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11577) into 100ml = 0.2ug/L Hg
M11581 07/24/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
M11582 07/24/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11492) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

M11583 07/25/13 MDS GFAA Base Std. Into a Liter vol. Flask, pipet 0.25 mL #M11430. Bring up to volume w/ D.I. H_2O.
exp: 05/14

M11584 07/25/13 MDS GFAA ICV (alt source) - Into a Liter vol. Flask, pipet 1mL #M11431. Bring up to volume with D.I. H_2O.

M11584 7-29-13 JA Custum Assurance std 100mg/L (22) Spex Certiprep
ex 7/14

M11585 7-29-13 JA Custum Assurance std 100mg/L (3) Spex Certiprep
ex 7/14

#M11586 07/30/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10m 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11587 07/30/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10m 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11588 07/30/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11587) into 100ml = 3.0
#M11589 07/30/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10r 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11590 07/30/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11587) into 100ml = 0.2
#M11591 07/30/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) wit
#M11592 07/30/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g S 70 mL HCl (AB: 553). Bring up to volume with D

#M11593 07/31/13 SF Nacl Hydroxylamine Sulfate Reagent: Dissolve into 600g NaCl (
hydroxylamine Sulfate (#M
H_2O.
Exp: 01/31/13

#M11594 07/31/13 MDS TCLP Extraction Fluid #1: Fill a 20L Carboy with 19L D.I. H_2O. Add
and 128.6 mL 10N NaOH (M11507). Dilute
pH = 4.93 ± 0.05

#M11595 07/31/13 MDS TCLP Extraction Fluid #1: Fill a 20L Carboy with 19L D.I. H_2O. Add 114 ml
and 128.6 mL 10N NaOH (M11507). Dilut
pH = 4.93 ± 0.05

#M11554 07/02/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11555 07/02/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11552) into 100ml = 0.2ug/L Hg
#M11556 07/02/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11557 07/02/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.
#M11558 07/08/13 SF	Stannous Chloride (Macron) - Lot # 0000045932	
#M11559 07/10/13 MOS exp. 05/14	GFAA Base Std. - Into a Liter vol. Flask, pipet 0.25mL #M11430. Bring up to volume with D.I water.	
#M11560 07/10/13 MOS	GFAA ICV (Alt. Source) - Into a 1-Liter vol. flask, pipet 1ml #M11431 + bring up to volume with D.I water.	
#M11561 07/10/13 MOS	GFAA CCV - Into a 1-Liter vol. Flask, pipet 0.1mL #M11430 + bring up to volume with D.I water.	
#M11562 07/10/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11563 07/10/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11564 07/10/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11563) into 100ml = 3.0ug/L Hg
#M11565 07/10/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11566 07/10/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11563) into 100ml = 0.2ug/L Hg
#M11567 07/10/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11568 07/10/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11492) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.
#M11569 07/15/13 SF Exp: 07/15/14	Potassium permanganate soln:	50g Potassium permanganate (#M11285) dissolve into 1,000mL of D.I. H_2O.
#M11570 07/16/13 SF Exp: 07/16/14	TCLP Extraction Fluid #1:	Fill a 20L carboy w/19L D.I. H_2O. Add 114mL (AB: 553) glacial Acetic Acid and 128.6mL 10N NaOH (#M11344). Dilute to 20L 07/16/13 SF

2mate (#M11285)
= D.I. H_2O.

:tPrep Lot # 3-80XL

0mg/L Hg

10mg/L Hg

3.0ug/L Hg

:10mg/L Hg

: 0.2ug/L Hg

with 1part HNO3 (AB: 554)

g Stannous Chloride (#M11075) in
h D.I. Water.

/131349 exp 12/14

I10563) into 100ml=10mg/L Hg
)0ml = 100ug/L Hg
00ml = 0.5ug/L Hg
00ml = 1.0ug/L Hg
00ml = 2.0ug/L Hg
00ml = 4.0ug/L Hg
00ml =5.0ug/L Hg
100ml = 10.0ug/L Hg

M9063) into 100ml = 10mg/L Hg
ml = 100ug/L Hg

11552) into 100ml = 3.0ug/L Hg

#M11538 06/24/13 LSF Na 1000mg/L CPI Lot#13E225 Exp: 12/14/14

#M11539 06/24/13 LSF Ca 10,000mg/L CPI Lot#13B105 Exp: 12/14/14

M11540 06/24/13 LSF K 1000mg/L CPI Lot#13E108 Exp: 12/14/14

M11541 06/25/13 LSF Potassium permanganate soln: 50g Potassium permanganate (#M11285) dissolve into 1,000mL of D.I. H_2O. Exp: 12/25/13

M11542 06/26/13 Custom Assurance std Spex Certiprep Lot # 3-8[illegible] ex 6/14.

#M11543 06/26/13 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11544 06/26/13 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11545 06/26/13 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11544) into 100ml = 3.0ug/L Hg
#M11546 06/26/13 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11547 06/26/13 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11544) into 100ml = 0.2ug/L Hg
#M11548 06/26/13 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11549 06/26/13 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11550 6-26-13 LF 10,000 µg/mL Env Express Lot # 1311349 ex 12/14

#M11551 07/02/13 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11552 07/02/13 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11553 07/02/13 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11552) into 100ml = 3.0ug/L Hg

M11523 06/13/13 MDS GFAA LOD/LOQ Water Spiking Soln: Into a 1L vol. Flask, pipet 10mL of #M11522 (1% HNO_3) and bring up to volume with D.I water.

#M11524 06/13/13 LSF Potassium persulfate: 50g potassium persulfate (#M9903) dissolve into 1,000mL D.I. H_2O.
Exp: 12/13/13

#M11525 06/14/13 MDS GFAA LOD/LOQ Soil Working Std: Into a 200mL vol. Flask, partially filled with D.I H_2O, pipet the Following and bring up to volume with D.I H_2O.

1.2mL Sb 1000mg/L (#M11172) = 6,000ug/L Sb
3.2mL As 1000mg/L (#M11173) = 16,000ug/L As
3.2mL Se 1000mg/L (#M11171) = 16,000ug/L Se
0.08mL Pb 10,000 mg/L (#M10637A) = 4,000 ug/L Pb
1.0mL Tl 1000mg/L (#M11361) = 5,000ug/L Tl

#M11526 06/14/13 MDS GFAA LOD/LOQ Soil Spiking soln: Into a 1L vol. Flask, pipet 10mL of #M11525 + bring up to volume with DI H_2O.

#M11527 06/17/13 LSF — Hg Working Stds: (0.2% HNO_3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11528 06/17/13 LSF — Hg Alt Source Working Std: (0.2% HNO_3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg.

#M11529 06/17/13 LSF — Hg ICV / LCSW (0.2% HNO_3, HCl)
3.0ml of 100ug/L Hg (#M11528) into 100ml = 3.0ug/L Hg

#M11530 06/17/13 LSF — Hg CCV (0.2% HNO_3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11531 06/17/13 LSF — Hg MRL: (0.2% HNO_3, HCl)
0.2ml of 100ug/L Hg (#M11528) into 100ml = 0.2ug/L Hg

#M11532 06/17/13 LSF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO_3 (AB: 554)

#M11533 06/17/13 LSF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11534 06/20/13 LSF NaCl Hydroxylamine Sulfate Reagent: Dissolve into 60g NaCl (#M11493) and 60g hydroxylamine sulfate (#M11376) in 500mL Milli-Q H_2O.
Exp: 12/20/13

#M11535 06/24/13 LSF Fe 10,000 mg/L CPI Lot# 13D184 Exp: 12/14/14

#M11536 06/24/13 LSF Mg 10,000 mg/L CPI Lot# 13B063 Exp: 12/14/14

#M11537 06/24/13 LSF Al 10,000 mg/L CPI Lot# 13D139 Exp: 12/14/14

#M11511 06/10/13 JSF NaCl Hydroxylamine Sulfate Reagent: Dissolve 600g NaCl (#M11493) and 600g hydroxylamine sulfate (#M11376) in 500ml Milli-Q H_2O.
Exp: 12/10/13

#M11512 06/10/13 JSF Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11513 ~~06/10/13 JSF~~ 06/10/13 JSF Hg All Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11514 06/10/13 JSF Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M11513) into 100ml = 3.0ug/L Hg

#M11515 06/10/13 JSF Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11516 06/10/13 JSF Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M11513) into 100ml = 0.2ug/L Hg

#M11517 06/10/13 JSF Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11518 06/10/13 JSF Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11519 06/12/13 MDS Pd/Mg Modifier- Into a 50mL vol. Flask, pipet 15mL #M11411 and 5mL #M10551. Bring up to volume with milli-Q H_2O.

#M11520 06/13/13 MDS GFAA LOD/LOQ Soil Ag Spiking Sol'n: (1% HNO_3) Exp 04/24/14
Into a 1L vol. Flask, pipet 10mL of #M11521 and bring up to volume w/ D.I water.

#M11521 06/13/13 MDS GFAA LOD/LOQ Soil Ag Working Std: (1% HNO_3) exp. 04/24/14
Into a 200mL vol. Flask, partially filled w/ D.I water, pipet the following and bring up to volume w/ D.I H_2O.
0.12 mL Ag 1000mg/L (#M11170) = 600 ug/L Ag

#M11522 06/13/13 MDS GFAA LOD/LOQ Water Working Std: (1% HNO_3)
Into a 100mL vol. Flask, partially filled with D.I H_2O, pipet the following + bring up to volume w/ D.I H_2O.
1.5mL Sb 1000mg/L (#M11172) = 15,000 ug/L Sb
1.0mL As 1000mg/L (#M11173) = 10,000 ug/L As
2.0mL Se 1000mg/L (#M11171) = 20,000 ug/L Se
0.045mL Pb 10,000 mg/L (#M10839) = 4500 ug/L Pb
0.4mL Tl 1000 mg/L (#M11361) = 4000 ug/L Tl
0.1mL Ag 1000 mg/L (#M11170) = 1000 ug/L Ag

#M11523 06/13/13 MDS

#M11524 06/13/13 JSF
Exp

#M11497 05/28/13 15F TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB.534) and 128.6mL 10N NaOH (#M11344). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp. 05/28/14

#M11498 05/31/13 15F Potassium permanganate Soln: 50g potassium permanganate (#M11285) dissolve into 1,000mL of D.I. H_2O.
Exp. 8/01/13

#M11499 06/03/13 15F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11500 06/03/13 15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml =10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11501 06/03/13 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11500) into 100ml = 3.0ug/L Hg
#M11502 06/03/13 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11503 06/03/13 15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11500) into 100ml = 0.2ug/L Hg
#M11504 06/03/13 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11505 06/03/13 15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11506 06/04/13 MOS TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I H_2O. Add 114mL Glacial Acetic Acid (AB.565) ~~(AB.534)~~ 06/04/13 MOS and 128.6mL 10N NaOH ~~(#M11344)~~ (#M11469) MOS 06/04/13. Dilute to 20L w/ D.I H_2O and mix. pH = 4.93 ± 0.05

#M11507 06/04/13 MOS 10N NaOH: Into a 1L Flask, add 400g NaOH (#M11145) and bring to volume w/ D.I H_2O.

#M11508 06/04/13 MOS TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I H_2O. Add 114mL Glacial Acetic Acid (AB.565) and add 128.6mL 10N NaOH (#M11469). Dilute to 20L w/ D.I H_2O and mix. pH = 4.93 ± 0.05

#M11509 06/04/13 MOS TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I H_2O. Add 114mL Glacial Acetic Acid (AB.565) and add 128.6mL 10N NaOH (#M11507). Dilute to 20L w/ D.I H_2O and mix. pH = 4.93 ± 0.05

#M11510 06/05/13 15F Potassium permanganate soln: 50g Potassium permanganate (#M11285) dissolve into 1,000mL of D.I. H_2O.
Exp. 8/01/14

#M11483 05/17/13 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11484 05/17/13 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11485 05/17/13 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11484) into 100ml = 3.0ug/L Hg
#M11486 05/17/13 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11487 05/17/13 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11484) into 100ml = 0.2ug/L Hg
#M11488 05/17/13 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11489 05/17/13 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11015) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11490 05/20/13 LSF TCLP Extraction Fluid #1: Fill a 7gal carboy with 19L D.I. H_2O. Add 114ml Glacial Acetic Acid (AB:534) and 128.6ml 10N NaOH (#M11344). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 05/20/14

#M11491 05/21/13 LSF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine Sulfate (#M11039) in 50mL Milli-Q H_2O.
Exp: 11/21/13

#M11492 05/28/13 LSF Stannous Chloride (Macron) - Lot #0000040028

#M11493 05/28/13 LSF Sodium Chloride Fisher Lot NO. 126180 f.w. 58.44

#M11494 05/28/13 LSF TCLP Extraction Fluid #1: Fill a 7gal carboy w/19L D.I. H_2O. Add 114ml Glacial Acetic Acid (AB:534) and 128.6ml 10N NaOH (#M11344). Dilute to 7gal with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 05/28/14

#M11495 05/28/13 LSF TCLP Extraction Fluid #1: Fill a 7gal carboy w/19L D.I. H_2O. Add 114ml Glacial Acetic Acid (AB:534) and 128.6ml 10N NaOH (#M11344). Dilute to 7gal with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 05/28/14

#M11496 05/28/13 LSF TCLP Extraction Fluid #1: Fill a 7gal carboy w/19L D.I. H_2O. Add 114ml Glacial Acetic Acid (AB:534) and 128.6ml 10N NaOH (#M11344). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 05/28/13

#M11497 05/28/13 LSF

#M11498 05/31/13 LSF

#M11499 06/03/13 LSF

#M11500 06/03/13 LSF

#M11501 06/03/13 LSF

#M11502 06/03/13 LSF

#M11503 06/03/13 LSF

#M11504 06/03/13 LSF

#M11505 06/03/13 LSF

#M11506 06/04/13 MDS

#M11507 06/04/13 MDS

#M11508 06/04/13 MDS

#M11509 06/04/13 MDS

#M11510 06/07/13

4ml Glacial (#M11344). 4.93± 0.05

#M11471 5-7-13 Boron + Silicon ICV 1% HCL 5-7-13 into 200 ml vol flask pipet 0.2 mls #M11205 & #M11356. Bring up to mark with DI H_2O. ex 5/14.

114ml Glacial (#M11344). 4.93± 0.05

5-7-13 #M11472 ICSA List 2 into 500 ml vol flask pipet 50mls #M11225 & 0.25 mls of #M11359, #M11362, #M11364, #M11056, #M11360. Bring up to mark with DI H_2O. ex 12/13

gasate
ml of D.I. H_2O.

#M11473 05/09/13 SF — Hg Working Stds: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
- 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
- 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
- 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
- 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
- 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11474 05/09/13 SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
- 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11475 05/09/13 SF — Hg ICV / LCSW (0.2% HNO3, HCl)
- 3.0ml of 100ug/L Hg (#M11474) into 100ml = 3.0ug/L Hg

#M11476 05/09/13 SF — Hg CCV (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11477 05/09/13 SF — Hg MRL: (0.2% HNO3, HCl)
- 0.2ml of 100ug/L Hg (#M 11474) into 100ml = 0.2ug/L Hg

#M11478 05/09/13 SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11479 05/09/13 SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

: 554)

(#M11675) in

#M11480 05/10/13 SF Potassium Persulfate: 50g potassium persulfate (#M10573) dissolve into 1,000mL of D.I. H_2O. Exp: 11/10/13

4 05/10/13 SF
) and 60g
500ml Milli-Q H_2O

#M11481 05/13/13 SF Potassium permanganate Soln: 50g potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H_2O. Exp: 11/13/13

to volume with

#M11482 05/15/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB.534) and 128.6mL 10N NaOH (#M11468). Dilute to 20L with D.I. H_2O and mix. pH: 4.93± 0.05. Exp: 05/15/14

pipet 5mls
DI H_2O.
2014

#M11458 04/24/13 SF TCLP Extraction Fluid #1: Fill a 20L Carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M11344). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 04/24/14

#M11459 04/30/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M11344). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 04/30/14

#M11460 05/01/13 SF Potassium permanganate soln: 50g potassium permanganate (#M9903) dissolve into 4000mL of D.I. H_2O.
Exp: 11/01/13

#M11461 05/01/13 SF Hg Working Stds: (0.2% HNO_3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11462 05/01/13 SF Hg Alt Source Working Std: (0.2% HNO_3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11463 05/01/13 SF Hg ICV / LCSW (0.2% HNO_3, HCl)
3.0ml of 100ug/L Hg (#M11462) into 100ml = 3.0ug/L Hg

#M11464 05/01/13 SF Hg CCV (0.2% HNO_3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11465 05/01/13 SF Hg MRL: (0.2% HNO_3, HCl)
0.2ml of 100ug/L Hg (#M11462) into 100ml = 0.2ug/L Hg

#M11466 05/01/13 SF Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO_3 (AB: 554)

#M11467 05/01/13 SF Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M1675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11468 05/01/13 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9903) and 60g hydroxylamine sulfate (#M11039) in 500mL Milli-Q H_2O
Exp: 11/01/13

#M11469 05/03/13 SF 10N NaOH: Into a 1L flask add 400g NaOH (#M11345) and bring up to volume with D.I. H_2O.
Exp: 11/03/13

#M11470-21 5-1-13 ICV Sodium & Potassium: Into a 500 mL vol flask piped 5mLs of #M11243 & 5mLs M113616 Bring up to mark with DI H_2O.
10% HNO_3, 1% HCL
exp Jun/2014

#M11471 5-1-13 Boron 1% HCL 5-1-13

#M11472 5-1-13

#M11473 05/09/13 SF

#M11474 05/09/13 SF

#M11475 05/09/13 SF

#M11476 05/09/13 SF

#M11477 05/09/13 SF

#M11478 05/09/13 SF

#M11479 05/09/13 SF

#M11480 05/10/13 SF

#M11481 05/13/13

#M11482 05/15/13 SF
Exp:

#M11442 04/09/13SF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB.534) and 128.6mL 10N NaOH (#M11344) Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 04/09/14

(AB: 554)

de (#M 1675) in

#M11443 04/12/13SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

xp: 04/01/14

#M11444 04/12/13SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11445 04/12/13SF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11444) into 100ml = 3.0ug/L Hg

#M11446 04/12/13SF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11447 04/12/13SF — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 11444) into 100ml = 0.2ug/L Hg

#M11448 04/12/13SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11449 04/12/13SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 1675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11450 04/12/13SF Potassium Permanganate Sol'n: 50g potassium permanganate (#M9903) dissolve into 1000mL of D.I. H2O.

Exp: 10/12/13

#M11451 04/22/13SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11452 04/22/13SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11453 04/22/13SF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11452) into 100ml = 3.0ug/L Hg

#M11454 04/22/13SF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

IO3 (AB: 554)

#M11455 04/22/13SF — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 11452) into 100ml = 0.2ug/L Hg

loride (#M 1675) in

#M11456 04/22/13SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11457 04/22/13SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 1675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

Vol flask
ant DI H2O

ask pipet
t with DI H2O

#M11427 04/01/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11424) into 100ml = 0.2ug/L Hg
#M11428 04/01/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11429 04/01/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.
#M11430 04/01/13 SF	Custom Solution ~~C97-574-1~~ 04/01/13 SF	Inorganic Ventures lot#G2-MEB471044 Exp: 04/01/14
#M11431 04/01/13 SF	Custom Solution	Inorganic Ventures lot#G2-MEB471043 Exp: 04/01/14
#M11432 04-02-13	GFAA Base Std.	Into 1 Liter Vol flask pipet 7ml 0.5% HNO3 0.25 mls of #M11430 bring up to mark with DI H_2O. ex 5/14.
#M11433 4-2-13	GFAA ICV (Alt Source).	Into 1 Liter Vol flask pipet 1ml #M11431. Bring up to mark with DI H_2O. ex 5/14 7ml 0.5% HNO3
#M11434 4-2-13	GFAA CCV	Into 1 Liter Vol flask pipet 7ml 0.5% HNO3 0.1mls M11430. Bring up to mark with DI H_2O ex 5/14
#M11435 04/05/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11436 04/05/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11437 04/05/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11436) into 100ml = 3.0ug/L Hg
#M11438 04/05/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11439 04/05/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11436) into 100ml = 0.2ug/L Hg
#M11440 04/05/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11441 04/05/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11442 04/09/13 SF

Ex

#M11443 04/12/13 SF

#M11444 04/12/13 SF

#M11445 04/12/13 SF

#M11446 04/12/13 SF

#M11447 04/12/13 SF

#M11448 04/12/13 SF

#M11449 04/12/13 SF

#M11450 04/12/13 SF

Ex

#M11451 04/22/13 SF

#M11452 04/22/13 SF

#M11453 04/22/13 SF

#M11454 04/22/13 SF

#M11455 04/22/13 SF

#M11456 04/22/13 SF

#M11457 04/22/13 SF

~~#M11413~~ 03/21/13 SF #M11413 03/21/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11414 03/21/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11415 03/21/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11414) into 100ml = 3.0ug/L Hg
#M11416 03/21/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11417 03/21/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11414) into 100ml = 0.2ug/L Hg
#M11418 03/21/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11419 03/21/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11420 03/25/13 SF Potassium Permanganate Soln: 50g Potassium permanganate (#M9703) dissolve into 1,000ml of D.I. H_2O
Exp: 09/25/13

#M11421 03/29/13 SF Potassium persulfate: 50g Potassium persulfate (#M10573) dissolve into 1,000ml D.I. H_2O.
Exp: 09/29/13

#M11422 03/29/13 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M11039) in 500ml Milli-Q H_2O.
Exp: 09/29/13

#M11423 04/01/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11424 04/01/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11425 04/01/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11424) into 100ml = 3.0ug/L Hg
#M11426 04/01/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11401 3/14

Acetic to 7pL

#M11398 03/15/13 15F Custom Assurance Standard. spex certiprep lot# 1-222XL Exp: 03/30/14 03/15/13
Cat#: XCTW7-5-500

#M11399 03/15/13 25F Interferents A Standard. Spex CertiPrep lot# 6-126YP Exp: 03/30/14

#M11400 03/15/13 25F Pb 1,000 mg/L spex CertiPrep lot# 18-129PBY Exp: 03/30/14

#M11401 03/15/13 15F As 1,000 mg/L spex CertiPrep lot# 18-131ASY Exp: 03/30/14

#M11402 03/18/13 15F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11403 03/18/13 15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11404 03/18/13 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11403) into 100ml = 3.0ug/L Hg
#M11405 03/18/13 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11406 03/18/13 15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11403) into 100ml = 0.2ug/L Hg
#M11407 03/18/13 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11408 03/18/13 15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11035) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11409 03/19/13 15F Hg 1,000 mg/L CPI lot# 12H328 Exp: 09/13/14

#M11410 3/21/13 21 ICV 2 ICP/OD Cal Dnto 1 Liter Vol flask pipet 5mls #M11
5% HCl + #M11400 Bring up to mark with DI H2O ex 3/14
5% HNO3 = 5000 ug/L As + Pb

#M11411 3-21-13 21 PdNO3 Env. Express Lot# 1234818 ex 3/14

#M11412 03/21/13 15F TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 16N NaOH (#M11344). Dilute to 20L with D.I. H2O and mix. pH=4.93 ~~AS~~ 03/21/13 15F AS

114ml
6ml
H2O

#M11388 03/08/13 JF GFAA H2O 100 Spiking Solution

Spiking Solution calc
Base SPIKE PREPARATION 50x Exp: 04/13

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag water	0.4	M11170	1000	0.02
As water	4	M11173	1000	0.2
Pb water	1.8	M10839	1000	0.09
Sb water	6	M11172	1000	0.3
Se water	8	M11171	1000	0.4
Tl water	1.6	M10566	1000	0.08

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

#M11389 03/08/13 JF GFAA soil 100 Spiking Solution

Spiking Solution calc
Base SPIKE PREPARATION 50x Exp: 4/13

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag soil	0.48	M11170	1000	0.024
As soil	6.4	M11173	1000	0.32
Pb soil	1.6	M10839	1000	0.08
Sb soil	2.4	M11172	1000	0.12
Se soil	6.4	M11171	1000	0.32
Tl soil	2	M10566	1000	0.1

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

1ml
into

#M11390 03/11/13 JF — Hg Working Stds: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11391 03/11/13 JF — Hg Alt Source Working Std: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11392 03/11/13 JF — Hg ICV / LCSW (0.2% HNO3, HCl)

3.0ml of 100ug/L Hg (#M ~~11312~~ 11391 03/11/13 JF) into 100ml = 3.0ug/L Hg

#M11393 03/11/13 JF — Hg CCV (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11394 03/11/13 JF — Hg MRL: (0.2% HNO3, HCl)

0.2ml of 100ug/L Hg (#M ~~11312~~ 11391 03/11/13 JF) into 100ml = 0.2ug/L Hg

#M11395 03/11/13 JF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11396 03/11/13 JF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M ~~11075~~ 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11397 03/14/13 JF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M11344). Dilute to 20L with D.I. H2O and mix. pH=4.93 ± 0.05

Exp: 03/14/14

#M11381 03/04/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H_2O. Add 114 mL Glacial Acetic Acid (AB1534) and 128.6 mL 10 N NaOH (#M11344). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 03/04/14

#M11382 Working Stds ~~Lot 2~~ Into 4 200 ml vol flasks pipet
3-5-13 SF
1% HNO_3
1% HCL

10 0.02 mls #M11203 & .002 mls #M11365
100 ug/L 0.2 mls #M11203 & .02 mls #M11365
1000 ug/L 2 mls #M11203 & .2 mls #M11365
10,000 ug/L 20 mls #M11203 & 2 mls M11365
Bringing up to mark with DI H_2O SF Nov 2013

#M11383 ICV L2 Into a 200 ml vol flask pipet 0.2 mls of
3-5-13 SF
1% HNO_3
1% HCL

#M11356, #M11365, #M11359, #M11360 and #M11356
Bring up to mark with DI H_2O SF 12/13

#M11384 03/07/13 SF LOD, LOQ Check (3050) Into 1 liter volumetric flask pipet 1 ml M11343. Bring up to mark with D.I. H_2O x50 dilution use 1 mL in
Exp: 02/28/14 50 ~~or~~ 10 Into 500 ml for = 240 ug/L or 6 mg/kg.
03/07/13 SF
(3060)

#M11385 03/07/13 SF LOD, LOQ Check 5 H_2O. Into a 1 Liter volumetric flask pipet 1 ml M11343. Bring up to mark with D.I. H_2O x50 dilution use 1 mL in
Exp: 02/28/14 50 or 10 Into 500 ml for = 240 ug/L or 6 mg/kg.

#M11386 03/08/13 SF Hg LOQ Spiking Solution

Spiking Solution calc
Base SPIKE PREPARATION 50x Exp: 04/13

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Hg water	0.12	M10563	1000	0.006

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

#M11387 03/08/13 SF Hg soil LOQ Spiking Solution

Spiking Solution calc
Base SPIKE PREPARATION 50x Exp: 04/13

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Hg soil	0.2	M10563	1000	0.01

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

#M11368 02/26/13 SF Fe 10,000mg/L OPI Lot# 138029 Exp: 08/20/14

#M11369 02/28/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11370 02/28/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11371 02/28/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11370) into 100ml = 3.0ug/L Hg
#M11372 02/28/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11373 02/28/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11370) into 100ml = 0.2ug/L Hg
#M11374 02/28/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11375 02/28/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M[illegible]) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11376 03/01/13 SF (Fisher) Hydroxylamine Sulfate Lot #116718A Exp: 03/01/14

M11377 5 working stds. into 4 100 ml vol. flask pipet respectively
A 3-1-13 from #M 11343 10,000 mg/L S Spex Certiprep Lot# AG14-1735 Y std
0.01 mls -> = 1000ug/L S
0.1 mls -> = 10,000 ug/L S
1.0 mls -> = 100,000 ug/L S
10 mls -> = 1000 ug/L S
Bring up + mark WI DI H2O ex 2/14

#M11378 5 ICV (Alt) into 1 100 vol flask pipet from #M10723
A 3-1-13 A Plasma Cal lot S120116017 0.01 mls = 1000ug/L S. ex 10/13
Bring up to mark w/DI.

#M11379 03/04/13 SF Stannous Chloride (Macron) - Lot #0000017703

#M11380 3/4/13 A ICV into 1 liter vol flask pipet 10mls M 11342, 2mls #M11225, 0.5mls #M11357. Bring up to mark with DI H2O. ex Nov. 2013.

#M11349 02/19/13/5F Hg MRL: (0.2% HNO3, HCl) 0.2ml of 100ug/L Hg (#M11346) into 100ml = 0.2ug/L Hg

#M11350 02/19/13/5F Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11351 02/19/13/5F Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11352 02/22/13/5F Potassium permanganate Soln: 50g potassium permanganate (#M9903) dissolve into 1000mL of D.I. H2O.
Exp: 08/22/13

#M11353 02/22/13/5F NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M11[illegible]) in 500mL Milli-Q H2O.
Exp: 08/22/13

#M11354 02/22/13/5F TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB.534) and 128.6mL 2.0N NaOH (#M11344). Dilute to 20L with D.I. H2O and mix. pH=4.93 ± 0.05
Exp: 02/22/14

#M11355 2-26-13 ~~CPI~~ Co 1000mg/L CPI Lot # 12H067 ex. 8/20/14
M

#M11356 02/26/13 (5F) Si 1000 mg/L CPI Lot#13A214 Exp: 08/20/14

#M11357 02/26/13/5F Mo 1000 mg/L CPI Lot#12K060 Exp: 08/20/14

#M11358 02/26/13/5F Ni 1000 mg/L CPI Lot#13A215 Exp: 08/20/14

#M11359 02/26/13/5F Sn 1000 mg/L CPI Lot#12J125 Exp: 08/20/14

#M11360 02/26/13/5F Sr 1000 mg/L CPI Lot#12L094 Exp: 08/20/14

#M11361 02/26/13/5F Tl 1000mg/L CPI Lot#12G229 Exp: 08/20/14

#M11362 02/26/13/5F Li 1000mg/L CPI Lot#12A008 Exp: 08/20/14

#M11363 02/26/13/5F Al 10,000mg/L CPI Lot#12K049 Exp: 08/20/14

#M11364 02/26/13/5F Ti 1000mg/L CPI Lot#12K061 Exp: 08/20/14

#M11365 02/26/13 (5F) W 1000mg/L CPI Lot#12H257 Exp: 08/20/14

#M11366 02/26/13/5F Na 10,000mg/L CPI Lot#13A194 Exp: 08/20/14

#M11367 02/26/13/5F Ca 10,000mg/L CPI Lot#12L059 Exp: 08/20/14

#M11336 02/07/13 15F TCLP Extraction Fluid #1: Fill a 20L carboy with 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB.534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H_2O and mix.
Exp: 02/07/14 pH = 4.93 ± 0.05

#M11337 02/08/13 15F Potassium permanganate soln: 50g Potassium Permanganate (#M9105) dissolve into 1,000mL of D.I. H_2O.
Exp: 08/08/13

#M11338 02/11/13 15F TCLP Extraction Fluid #1: Fill a 20L carboy with 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB.534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 02/11/14

#M11339 2-13-13 TCLP Extraction Fluid #1: fill a 20 Liter w 19L DI H_2O. Add 114 ml Glacial Acetic Acid (AB.534) and 128.6 ml 10N NaOH (#M10910) dilute to 20L with DI H_2O & mix. pH = 4.93 ± .05
(exp 2-13-13)

#M11340 02/16/13 15F SPLP Extraction Fluid #1: Into a 20L carboy add D.I. H_2O to mark and adjust pH to 4.20 ± 0.05 with M10857.
Exp: 08/16/13

#M11341 02/16/13 15F TCLP Extraction Fluid #1: Fill a 20L carboy with 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB.534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H_2O and mix.
Exp: 02/16/14 pH = 4.93 ± 0.05

#M11342 2-18-13 Custom Assurance Std. xspike-1-250 Spec Certiprep lot# 18-157CR.

#M11343 2-18-13 Sulfa 10,000mg/L Spec Certiprep Lot#A614-177 SU

#M11344 02/18/13 15F 10N NaOH: Into a 1L flask add 400g NaOH (#M11145) and bring up to volume with D.I. H_2O.
Exp: 08/18/13

#M11345 02/19/13 15F — Hg Working Stds: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
- 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
- 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
- 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
- 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
- 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11346 02/19/13 15F — Hg Alt Source Working Std: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
- 1.0ml of 10mg/L Into 100ml = 100ug/L Hg

#M11347 02/19/13 15F — Hg ICV / LCSW (0.2% HNO3, HCl)
- 3.0ml of 100ug/L Hg (#M11346) into 100ml = 3.0ug/L Hg

#M11348 02/19/13 15F — Hg CCV (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11321 01/29/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11320) into 100ml = 3.0ug/L Hg
#M11322 01/29/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11323 01/29/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11320) into 100ml = 0.2ug/L Hg
#M11324 01/29/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11325 01/29/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11045) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11326 01/30/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w 11.9L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB 534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 01/30/14

#M11327 #M11328 02/05/13 SF 1N HCL for TCLP: Into a 1L vol. flask, partially filled with Milli-Q H_2O, add 83mL of Conc. HCL (AB 560) and bring up to volume with Milli-Q H_2O.

Exp: 02/05/14

#M11328 02/06/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11329 02/06/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11330 02/06/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11329) into 100ml = 3.0ug/L Hg
#M11331 02/06/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11332 02/06/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11329) into 100ml = 0.2ug/L Hg
#M11333 02/06/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11334 02/06/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11045) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11335 02/07/13 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9579) and 60g hydroxylamine Sulfate (#M11039 02/07/13 SF) in 500mL Milli-Q H_2O.

Exp: 08/07/13

#M11308 01/17/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M11296). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 01/17/14

#M11309 01/21/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M11296). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 01/21/14

#M11310 1-22-13 Custom Assurance Standard Spex Certiprep Lot 18-068CR exp 1/14

#M11311 01/22/13 SF

Hg Working Stds: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11312 01/22/13 SF

Hg Alt Source Working Std: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11313 01/22/13 SF

Hg ICV / LCSW (0.2% HNO3, HCl)

3.0ml of 100ug/L Hg (#M 11312) into 100ml = 3.0ug/L Hg

#M11314 01/22/13 SF

Hg CCV (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11315 01/22/13 SF

Hg MRL: (0.2% HNO3, HCl)

0.2ml of 100ug/L Hg (#M 11312) into 100ml = 0.2ug/L Hg

#M11316 01/22/13 SF

Hg Aqua Regia Reagent:

"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11317 01/22/13 SF

Stannous Chloride Reagent:

Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11318 01/23/13 SF Potassium permanganate soln: 50g Potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H_2O.

Exp: ~~01/23/13~~ 07/23/13

#M11319 01/29/13 SF

Hg Working Stds: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

114mL

2L H_2O

#M11320 01/29/13 SF

Hg Alt Source Working Std: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

2/4/13

#M11305 01/15/13 SF

MDL Spiking soln all 50X into 1 liter vol flask pipet the following:

Bring up to volume with D.I. H_2O. Use 1mL into 50mls or 10mls into 500.

3050 MDL Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	MDL (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	5	M11170	1000	0.25
Al	10	M10870	10000	0.05
As	20	M11173	1000	1
Ba	2	M11052	1000	0.1
Be	0.5	M11239	1000	0.025
Ca	50	M10898	10000	0.25
Cd	0.5	M11242	1000	0.025
Co	2.5	M10561	1000	0.125
Cr	5	M11053	10000	0.025
Cu	10	M11051	10000	0.05
Fe	20	M11226	10000	0.1
Mg	25	M10868	10000	0.125
Mn	5	M11054	10000	0.025
Mo	2.5	M10560	1000	0.125
Ni	5	M10565	1000	0.25
Pb	10	M10839	10000	0.05
Sb	20	M11172	1000	1
Se	20	M11171	1000	1
Tl	20	M10566	1000	1
V	5	M11241	1000	0.25
Zn	5	M11240	10000	0.025

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

EXPIRES 04/02/13

#M11306 01/15/13 SF

MDL Spiking soln B, Si into 1L vol flask pipet the following:

Bring up to volume with D.I. H_2O. Use 1mL into 5ml's or 10mL into 500mls.

3050 MDL Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	MDL (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	20	M11205	1000	1
Si	100	M10860	1000	5

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

EXPIRES 04/02/13

#M11307 01/16/13 SF TCLP Extraction Fluid #1: 01/16/13 SF ~~Into~~ a 20L carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB534) and 1286mL 6N NaOH (#M11796). Dilute to 20L with D.I. H_2O and mix. pH=4.93 ± 0.05

Exp: 01/16/14

AZ 01/16/13

#M11292 01/07/13 CSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11293 01/07/13 CSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11290) into 100ml = 0.2ug/L Hg
#M11294 01/07/13 CSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11295 01/07/13 CSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11296 01/08/13 CSF 10N NaOH: Into a 1L flask add 400g NaOH (#M10570) and bring up to
Exp: 01/08/14 Volume with D.I. H_2O.

#M11297 01/10/13 CSF Potassium persulfate: 50g potassium persulfate (#M10573) dissolve into 400mL
Exp: 07/10/13 D.I. H_2O.

#M11298 01/11/13 CSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11299 01/11/13 CSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11300 01/11/13 CSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11299) into 100ml = 3.0ug/L Hg
#M11301 01/11/13 CSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11302 ~~01/11/13~~ 01/11/13 CSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11299) into 100ml = 0.2ug/L Hg
#M11303 01/11/13 CSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11304 01/11/13 CSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

2/24/13

#M11284 A
5% HCL 1-4-13
5% HNO3

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Li	14.4	M10567	1000	0.72
Sn	20	M10562	1000	1
Sr	3.2	M10569	1000	0.16
Tl	9.6	M10709	1000	0.48
W	24	M10559	1000	1.2

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 4/13

~~#M11285 01/04/13 SF Ammonium Chloride (Mallinckrodt) - Lot. No.~~

#M11285 01/04/13 SF Potassium Permanganate (Fisher) - Lot. No. 123302

#M11286 01/07/13 SF NaCl Hydroxylamine ~~Sulfate~~ Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M1020) in 500mL Milli-Q H2O.
Exp: 07/07/13

ICAP Working Standards Boron & Silicon

#M11287 A
1-7-13

Standard name — Into 1 liter Pipet the following respectively:

50	0.5 mls of #M11203 and .05mls #M10860 = 50 ug/L
2*100	1* mls of #M11203 and 0.1* mls #M10860 = 100 ug/L
1000	10 mls of #M11203 and 1.0mls #M10860 = 1000 ug/L
2000	20 mls of #M11203 and 2.0mls #M10860 = 1000 ug/L
10000	100 mls of #M11203 and 10mls #M10860 = 10000 ug/L

*A 1-7-13 ex 12-13

#M11288 A
1-7-13

Initial Calibration Standard (ICV) B, Si
Into 1 liter vol flsk pipet 1 ml of #M11205 & M10564
bring up to mark with DI H2O ex 4/13

#M11289 01/07/13 SF

Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11290 01/07/13 SF

Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11291 01/07/13 SF

Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M11290) into 100ml = 3.0ug/L Hg

#M11280 1-4-13
5% HCL 5% HNO3

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
K	2640	M11243	10000	13.2
Na	960	M10570	10000	4.8

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 4/13

#M11281 1-4-13
5% HCL, 5% HNO3

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	52	M11205	1000	2.6
Si	192	M10564	1000	9.6

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 4/13

#M11282 1-4-13
5% HCL, 5% HNO3

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	16	M11205	1000	0.8
Si	200	M10564	1000	10

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 13-Apr

M11283 1-4-13
5% HCL
5% HNO3

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Li	10	M10567	1000	0.5
Sn	10	M10562	1000	0.5
Sr	2	M10569	1000	0.1
Tl	8	M10709	1000	0.4
W	36	M10559	1000	1.8

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 13-Apr

1-4-13

#M11278 1-4-13
5% HCL 5% HNO3

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	4	M11170	1000	0.2
Al	38	M11226	10000	0.18
As	24	M11173	1000	1.2
Ba	1.8	M11052	1000	0.09
Be	0.6	M11239	1000	0.03
Ca	100	M11227	10000	0.5
Cd	2	M11242	1000	0.1
Co	4	M10561	1000	0.2
Cr	4	M11053	10000	0.02
Cu	7	M11051	10000	0.035
Fe	100	M11228	10000	0.5
Mg	40	M11228	10000	0.2
Mn	4	M11054	10000	0.02
Mo	7	M10560	1000	0.35
Ni	6	M10565	1000	0.3
Pb	4	M10869	10000	0.02
Sb	12	M11172	1000	0.6
Se	13	M11171	1000	0.65
Tl	15	M10566	1000	0.75
V	5	M11241	1000	0.25
Zn	10	M11240	10000	0.05

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 13-Apr

#M11279 1-4-13
5% HCL, 5% HNO3

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	4	M11170	1000	0.2
Al	9.6	M11226	10000	0.048
As	32	M11173	1000	1.6
Ba	2	M11052	1000	0.1
Be	1.6	M11239	1000	0.08
Ca	56	M11227	10000	0.28
Cd	1.6	M11242	1000	0.08
Co	9.6	M10561	1000	0.48
Cr	5.6	M11053	10000	0.028
Cu	16	M11051	10000	0.08
Fe	72	M11228	10000	0.36
Mg	32	M11228	10000	0.16
Mn	6	M11054	10000	0.03
Mo	9.6	M10560	1000	0.48
Ni	4.8	M10565	1000	0.24
Pb	10	M10869	10000	0.05
Sb	32	M11172	1000	1.6
Se	16	M11171	1000	0.8
Tl	19	M10566	1000	0.95
V	3.2	M11241	1000	0.16
Zn	12	M11240	10000	0.06

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 4/13

#M11268 [illegible]
1-2-13
ICV Na, K
~~5% HCL 5% HNO3~~
dissolved

Initial Calibration Standard (ICV) Into 500 ml volumetric pipette 5 mls of #M10570 and #M11243 and bring up to mark with DI H2O. expires april 2013.

#M11269 01/03/13 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11270 01/03/13 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11271 01/03/13 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11270) into 100ml = 3.0ug/L Hg
#M11272 01/03/13 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11273 01/03/13 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11270) into 100ml = 0.2ug/L Hg
#M11274 01/03/13 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11275 01/03/13 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11276 01/03/13 LSF TCLP Extraction Fluid #1: 01/03/13 LSF Fill a 20L carboy w/19L D.I. H2O. ~~Into a 20L carboy add D.I. H2O~~ Add 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 01/03/14

#M11277 1-4-13
5% HCL, 5% HNO3

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
K	500	M11243	10000	2.5
Na	600	M10570	10000	3

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 13-Apr

[illegible] 2/14/13

#M11263 12/27/12 SF
#M112664 12/27/12 SF

Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 1165) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M112665 12/28/12 SF Potassium Permanganate Soln: 50g potassium permanganate (#M9703) dissolved into 1,000mL of D.I. H2O.
Exp: 06/28/13

#M112660 1-2-13
5% HNO3
5% HCL

MRL Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	MRL (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	20	M11170	1000	1
Al	400	M11228	10000	2
Ba	10	M11052	1000	0.5
Be	4	M11239	1000	0.2
Cd	5	M11242	1000	0.25
Co	10	M10561	1000	0.5
Cr	10	M11053	10000	0.05
Cu	10	M11051	10000	0.05
Mg	500	M11228	10000	2.5
Mn	10	M11054	10000	0.05
Mo	10	M10560	1000	0.5
Ni	10	M10565	1000	0.5
Pb	10	M10839	10000	0.05
Sb	20	M11172	1000	1
V	10	M11241	1000	0.5
Zn	10	M11240	10000	0.05
K	5000	M11243	10000	25
Na	1000	M10570	10000	5
As	20	M11173	1000	1
Ca	500	M11227	10000	2.5
Fe	300	M11228	10000	1.5
Se	20	M11171	1000	1
Tl	20	M10566	1000	1
Si	100	M10564	1000	5
B	20	M11205	1000	1
Li	20	M10567	1000	1
W	50	M10559	1000	2.5
Ti	10	M10708	1000	0.5
Sr	10	M10569	1000	0.5
Sn	50	M10562	1000	2.5
S	100	M10773	1000	5

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard. EX 4-13

#M11267 1-2-13 NAK working std

Working Standards for Sodium and Potassium; into seven, 200 ml volumetric flasks pipette from #M11245 and #M11244.

For the 0.5 mg/L std– 0.1 mls of each
1.0 mg/L std – 0.2 mls of each
5.0 mg/L std – 1.0 mls of each
10.0 mg/L std – 2.0 mls of each
50.0 mg/L std - 10.0 mls of each
100 mg/L std -20.0 mls each also used for Continuing Calibration Standard (CCV)
200 mg/L std -40.0 mls of each
Bring up to mark with DI H2O. Expires June 5 2014.

#M ~~11245~~ 11249 12/13/12 BF (12/13/12 BF)	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11250 12/13/12 BF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11251 12/13/12 BF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11250) into 100ml = 3.0ug/L Hg
#M11252 12/13/12 BF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11253 12/13/12 BF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11250) into 100ml = 0.2ug/L Hg
#M11254 12/13/12 BF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11255 12/13/12 BF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 10015) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11256 12/14/12 BF NaCl Hydroxylamine sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M10210) in 500mL Milli-Q H_2O.
Exp: 06/14/13

#M11257 12/17/12 BF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05.
Exp: 12/17/13

#M11258 12/27/12 BF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11259 12/27/12 BF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11260 12/27/12 BF (12/27/12 BF)	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11259) into 100ml = 3.0ug/L Hg
#M11261 12/27/12 BF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11262 12/27/12 BF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M[illegible]) into 100ml = 0.2ug/L Hg

Th 11/13

#M11241 12-10-12 V 1000 mg/L CPI Lot # 12F116 ex 6/14.

#M11242 12-10-12 Ca 1000 mg/L CPI Lot # 126063 ex 6/14.

#M11243 12-10-12 K 10000 mg/L CPI Lot # 12C112 ex 6/14.

#M11244 12-10-12 K 1000 mg/L CPI Lot # 11G006 ex 6/14.

#M11245 12-10-12 Na 10,000 mg/L CPI Lot # 12C263 ex 6/14.

#M11246 12-10-12 100,000 ug/L cal std remade with 20 mg/L 1000 std

ICAP Working Standards

5% HNO3 . 5%HCL

Standard name	Pipet the following respectively:
0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standard 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M11031(ex 8/13) and 1.0 mls of #M11085 (ex 09/13) into 1000 ml volumectric flask= 100 ug/L std
1000	10.0 mls of #M11031(ex 8/13) and #M11085 (ex 9/13) and 1 mL of #M10860 Si into 1000 ml volumetric flask= 1000 ug/L std
10,000	100 mls #M11031 (ex 8/13),100 mls #M11085 (ex 9/13),
100k	10 mls of #M11051 Cu (ex 2/14) , 10 mls of #M11054 Mn (ex 2/14) , 10 mls of #M11053 Cr (ex 2/14), 10 mls #M10839 Pb (ex 10/13) 10 mls zn #M11240(ex 6-14 = 100,000 ug/L
100,000	10 mls of #M10899 Mg (ex 06/13) , 10 mls of #M10896 Fe (ex 11/13) ,10 mls of #M10898 Ca (ex 11/13),10 mls #M10897 AL (ex 11/13) , into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M10899 Mg (ex 11/13) , 50 mls of #M10896 Fe (ex 11/13) ,50 mls of #M10898 Ca (ex 11/13), 50 mls #M10897 AL (ex 2/13) into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M10899 Mg (ex 06/13) , 100 mls of #M10896 Fe (ex 11/13) ,100 mls of #M10898 Ca (ex 11/13),100 mls #M10897 AL (ex 11/13) into 1000 ml vol flask = 1,000,000 ug/l std

Bring the 1000 ml volumetric up to mark with DI H2O

ex 8-13

#M11247 12-10-12

ICAP Working Standards Boron & Silicon

Standard name	Into 1 liter Pipet the following respectively:
10	0.1 mls of #M11031 and .01mls #M10860 = 10 ug/L
50	0.5 mls of #M11031 and .05mls #M10860 = 50 ug/L
100	1 mls of #M11031 and 0.1mls #M10860 = 100 ug/L
1000	10 mls of #M11031 and 1.0mls #M10860 = 1000 ug/L
10000	100 mls of #M11031 and 10mls #M10860 = 10000 ug/L

ex 8-13

#M11248 12-10-12

Initial Calibration Standard (ICV) B, Si

Into 1 liter vol fisk pipet 1 ml of #M11205 & M10564
bring up to mark with DI H2O ex 4/13

#M11247

Continuing Calibration Standard (CCV)

Into 1 liter vol flask pipet 10 mls of #M11205 and 1.0mls #M10860 = 1000 ug/L
bring up to mark with DI H20 ex 8-13

#M11224 12-3-12 Ameco tub std. Lot # C254646 ex 11/13

#M11225 12-3-12 Interferents A std 5 pkg Cont. prep lot # 6-126 YP ex 11/13

#M11226 12-3-12 Al metal 10,000 ug/ml CPI Lot ~~AL190t~~ 12E211 ~~#12-3-12~~ ex 5/14.

#M11227 12-3-12 Ca 10,000 ug/ml CPI Lot # 12I240 ex 5/14

#M11228 12-3-12 Fe 10,000 ug/ml CPI Lot # 12J195 ex 5/14

#M11229 12-3-12 Mg 10,000 ug/ml CPI Lot # 12F144 ex 5/14.

#M11230 12/03/12 JF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix
Exp: 12/03/13 pH = 4.93 ± 0.05

#M11231 12/05/12 JF Potassium permanganate soln: 50g Potassium permanganate (#M9903) dissolve into 1,000 mL of D.I. H2O.
Exp: 06/05/13

#M11232 12/05/12 JF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11233 12/05/12 JF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11234 12/05/12 JF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11233) into 100ml = 3.0ug/L Hg
#M11235 12/05/12 JF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11236 12/05/12 JF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11233) into 100ml = 0.2ug/L Hg
#M11237 12/05/12 JF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11238 12/05/12 JF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11065) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11239 12-10-12 Be 1000 mg/L CPI Lot 12K081. ex 6/14.

#M11240 12-10-12 Zn 10,000 mg/L CPI Lot 12F097 ex 6/14.

2413

#M11212 11/21/12 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11209) into 100ml = 0.2ug/L Hg
#M11213 11/21/12 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11214 11/21/12 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11045) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11215 11/21/12 Nickel Nitrate Matrix Modifier (10,000 µg/ml) LOT # 24-196050H, Alfa Aesar
AMA Exp. 11-2013

#M11216 11/28/12 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11217 11/28/12 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11218 11/28/12 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11217) into 100ml = 3.0ug/L Hg
#M11219 11/28/12 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11220 11/28/12 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11217) into 100ml = 0.2ug/L Hg
#M11221 11/28/12 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11222 11/28/12 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11045) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11223 12-3-12 ICP Working Stds.

Pipet the following respectively:

0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standard 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M11031(ex 8/13) and 1.0 mls of #M11085 (ex 09/13) into 1000 ml volumectric flask= 100 ug/L std
1000	10.0 mls of #M11031(ex 8/13) and #M11085 (ex 9/13) and 1 mL of #M10860 SI into 1000 ml volumetric flask= 1000 ug/L std
10,000	100 mls #M11031 (ex 8/13),100 mls #M11085 (ex 9/13),
100k	10 mls of #M11051 Cu (ex 2/14) , 10 mls of #M11054 Mn (ex 2/14) , 10 mls of #M11053 Cr (ex 2/14), 10 mls #M10839 Pb (ex 10/13) = 100,000 ug/L
100,000	10 mls of #M10899 Mg (ex 06/13) , 10 mls of #M10896 Fe (ex 11/13) ,10 mls of #M10898 Ca (ex 11/13),10 mls #M10897 AL (ex 11/13) , into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M10899 Mg (ex 11/13) , 50 mls of #M10896 Fe (ex 11/13) ,50 mls of #M10898 Ca (ex 11/13), 50 mls #M10897 AL (ex 2/13) into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M10899 Mg (ex 06/13) , 100 mls of #M10896 Fe (ex 11/13) ,100 mls of #M10898 Ca (ex 11/13),100 mls #M10897 AL (ex 11/13) into 1000 ml vol flask = 1,000,000 ug/l std
	Bring the 1000 ml volumetric up to mark with DI H2O

12-4-13

#M11197 11/13/12 SF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11198 11/13/12 SF — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 11195) into 100ml = 0.2ug/L Hg

#M11199 11/13/12 SF — Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11200 11/13/12 SF — Stannous Chloride Reagent:
Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11201 11/13/12 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9594) and 60g hydroxylamine sulfate (#M10210) in 500mL Milli-Q H2O.
Exp: 05/13/13

#M11202 11/16/12 SF Potassium permanganate Soln: 50g potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H2O.
Exp: 05/16/13

#M11203 11-19-12 Custom Assurance Std. Spex Certiprep Lot# 16-236CR. ex 11/13
X-CTWI-5-500

#M11204 11-19-12 Custom Assurance Std. Spex Certiprep Lot 16-237CR - ex 11/13
X spike-1-250

#M11205 11-19-12 Boron 1000mg/L CPI Lot# R6092

#M11206 11-19-12 Y 10,000 mg/L Eno. Exp. Lot# 1208040 ex 5/2014

#M11207 11/20/12 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH=4.93 ± 0.05
Exp: 11/20/13

#M11208 11/21/12 SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11209 11/21/12 SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11210 11/21/12 SF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11209) into 100ml = 3.0ug/L Hg

#M11211 11/21/12 SF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11183 11-9-12 ZA Env. Express 4 10,000 mg/L ex May 6 2014
Lot#1208040

#M11184 11-09-12 Magnesium Nitrate Matrix Modifier Solution (10,000 mg/L Mg)
AMA Environmental Express Lot No. 1214232, Expires 11-06-13

#M11185 11/08/12 ZF Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11186 11/08/12 ZF Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11187 11/08/12 ZF Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11186) into 100ml = 3.0ug/L Hg

#M11188 11/08/12 ZF Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11189 11/08/12 ZF Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 11186) into 100ml = 0.2ug/L Hg

#M11190 11/08/12 ZF Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11191 11/08/12 ZF Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11192 ZA ICSA Into 500ml Vol pipet 50mls #M10868 + 15 mls #M10896
11-12-12 5% HNO3 Bring up to mark w/ DI H2O. ex 4/13.
5% HCL

#M11193 ZA ICSAB Na, K into 500ml Vol pipet 50mls #M10868 5mls #M10896
5% HNO3, 5% HCL 5mls #M10837 + 5mls #M10570 Bring up to mark w/ DI H2O
ex 1/13.

#M11194 11/13/12 ZF Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11195 11/13/12 ZF Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11196 11/13/12 ZF Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11195) into 100ml = 3.0ug/L Hg

#M11197 11/13/12 ZF

#M11198 11/13/12 ZF

#M11199 11/13/12 ZF

#M11200 11/13/12 ZF

#M11201 11/13/12 ZF

Exp: 0

#M11202 11/16/12 ZF

#M11203 11-19
ZA

#M11204 11-
ZA

#M11205 11-1

#M11206 11-1

#M11169 11/01/13F TCLP Extraction Fluid #1: Fill a 20L carboy w/19L DI. H_2O. Add 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M11136a). Dilute to 20L with DI. H_2O and mix. pH = 4.93 ± 0.05

Exp: 11/01/13

#M11170 11/02/12 Ag 1000 µg/mL CPI LOT NO. 11E160 Exp. 04/24/2014
AMA

#M11171 11/02/12 Se 1000 µg/mL CPI LOT NO. 123054 Exp. 04/24/2014
AMA

#M11172 11/02/12 Sb 1000 µg/mL CPI LOT NO. 12E115 Exp. 04/24/2014
AMA

#M11173 11/02/12 As 1000 µg/mL CPI LOT NO. 121034 Exp. 04/24/2014
AMA

#M11174 11/06/12F to 11/06/12SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11175 11/06/12SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11176 11/06/12SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11175) into 100ml = 3.0ug/L Hg
#M11177 11/06/12SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11178 11/06/12SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11175) into 100ml = 0.2ug/L Hg
#M11179 11/06/12SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11180 11/06/12SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11181 11/07/12SF Potassium permanganate Soln: 50g potassium permanganate (#M9903) dissolve into 1,000 mL of D.I. H_2O.
Exp: 05/07/13

#M11182 11/07/12SF Potassium persulfate: 50g potassium persulfate (#M10573) dissolve into 1000 mL D.I. H_2O.
Exp: 05/07/13

INO3 (AB: 554)

Chloride (#M11075) in

0. Add 114mL
and 128.6mL
L with D.I. H_2O

. H_2O to mark
5 with M10857.

IO3 (AB: 554)

hloride (#M 11075 in

(#M 9574)
Sulfate (#M 10210)
H_2O.

#M11156 10/24/12 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11155) into 100ml = 3.0ug/L Hg
#M11157 10/24/12 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11156 10/24/12 15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11155) into 100ml = 0.2ug/L Hg
#M11157 10/24/12 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11158 10/24/12 15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11158 10/25/12 15F 10/25/12 15F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 1L D.I. H2O. Add 114mL Glacial Acetic Acid (AB.534) and 128.6mL 6N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 10/25/13

#M11160 10/25/12 15F SPLP Extraction Fluid #1: Into a 20L carboy add D.I. H2O to mark and adjust pH to 4.20 ± 0.05 with M1057.

Exp: 04/25/13

#M11161 10/31/12 15F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml = 5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11162 10/31/12 15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11163 10/31/12 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11162) into 100ml = 3.0ug/L Hg
#M11164 10/31/12 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11165 10/31/12 15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11162) into 100ml = 0.2ug/L Hg
#M11166 10/31/12 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11167 10/31/12 15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11065) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11168 10/31/12 15F NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine Sulfate (#M6210) in 500mL Milli-Q H2O.

Exp: 04/31/13

#M11169 11/06/12 15F

#M11170 11/02/12 AMA

#M11171 11/02/12 AMA

#M11172 11/02/12 AMA

#M11173 11/02/12 AMA

#M11174 11/06/12 15F

#M11175 11/06/12 15F

#M11176 11/06/12 15F

#M11178 11/06/12 15F

#M11179 11/06/12 15F

#M11180 11/06/12 15F

#M11181 11/07/12 15F

Exp: 0

#M11182 11/07/12 15F

Exp: 0

#M11144 10/18/12 15F NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M10210) in 500mL Milli-Q H_2O.
Exp: 04/18/13

#M11145 10/19/12 15F Sodium Hydroxide - Fisher scientific lot#122989 3kg

#M11146 10/23/12 AMA GFAA Base std. (25µg/L) (1% HNO_3) - Pipet 25mL of #M10818 into a 1L vol. flask and bring up to volume with Milli-Q H_2O. Exp. 04/01/13

#M11147 10/23/12 AMA GFAA Alt. Source std. (10µg/L) (1% HNO_3) - Pipet 50mL of #M10819 into a 1L vol. flask and bring up to volume with Milli-Q H_2O. Exp. 04/01/13

#M11148 10/23/12 AMA GFAA CCV std. (10µg/L) (1% HNO_3) - Pipet 10mL of #M10818 into a 1L vol flask and bring up to volume with Milli-Q H_2O. Exp. 04/01/13

#M11149 10/23/12 AMA GFAA Stability check working standard (1% HNO_3) - Into a 250mL vol. flask, pipet the following and bring up to volume with D.I. H_2O. Exp. 11/25/12

0.6mL of 1000mg/L As (#M10281)
0.04mL of 10,000mg/L Pb (#M10839)
1.7mL of 1000mg/L Se (#M10277)
0.9mL of 1000mg/L Sb (#M10280)
0.4mL of 1000mg/L Tl (#M10566)
0.07mL of 1000mg/L Ag (#M10310)

#M11150 10/23/12 AMA GFAA Stability check standard (1% HNO_3) - Pipet 5mL of #M11149 into a 1L vol. flask and bring up to volume with D.I. H_2O. Exp. 11/25/12

#M11151 10/23/12 AMA Pd/Mg Modifier - Into a 50mL vol. flask, pipet 15mL #M10726 and 5mL #M10551. Bring up to volume with Milli-Q H_2O. Exp. 10/30/12

#M11152 10/23/12 AMA $Ni(NO_3)_2$ Modifier - Into a 100mL vol. flask, pipet 20mL $Ni(NO_3)_2$ (#M9853) and bring up to volume with Milli-Q H_2O.

#M11153 10/24/12 15F Potassium permanganate Sol'n: 50g potassium permanganate (#M9903) dissolve into 1000mL of D.I. H_2O.
Exp: 04/24/13

#M11154 10/24/12 15F

Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11155 10/24/12 15F

Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11129 10/10/12 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11128) into 100ml = 3.0ug/L Hg
#M11130 10/10/12 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11131 10/10/12 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11128) into 100ml = 0.2ug/L Hg
#M11132 10/10/12 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11133 10/10/12 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11134 10/10/12 SF Potassium permanganate Soln: 50g Potassium permanganate (#M9903) dissolve into 1,000ml of D.I. H_2O.
Exp: 04/10/13

#M11135 10/15/12 SF TCLP Extraction Fluid #1: Fill a 20L Carboy w 19L D.I. H_2O. Add 114ml Glacial Acetic Acid (AB.534) and 128.6ml 10N NaOH (#M10910). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 10/15/13

#M11136 10/17/12 SF 10N NaOH: Into a 1L vol. flask add 400g NaOH (#M10571) and bring up to volume with D.I. H_2O.
Exp: 10/17/13

#M11137 10/18/12 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11138 10/18/12 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11139 10/18/12 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11138) into 100ml = 3.0ug/L Hg
#M11140 10/18/12 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11141 10/18/12 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11138) into 100ml = 0.2ug/L Hg
#M11142 10/18/12 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11143 10/18/12 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11144 10/18/12 SF
Exp

#M11145 10/19/12 SF

#M11146 10/23/12 GFA
AMA

#M11147 10/23/12 GFA
AMA

#M11148 10/23/12 GFA
AMA

#M11149 10/23/12 GFA
AMA

#M11150 10/23/12 GFA
AMA

#M11151 10/23/12 PA/N
AMA

#M11152 10/23/12 NH4NO
AMA

#M11153 10/24/12 SF PC
Exp:

#M11154 10/24/12 SF

#M11155 10/24/12 SF