SDG: J2911
KAFB ST-106
10/07/2010

Project/Contact Information	
Project #	382698.02.SV.10.07
Project Name	KAFB ST-106, TO-96
Report Copy to	Paul Clement
Company Name/Contact	CH2M HILL- ABQ\ Sharon Minchak

THIS AREA FOR LAB USE ONLY	
Lab #	Pg 1 of 3
Lab PM	Custody Review
Log In J2911	LIMS Verification
pH	Cust Seals Y N Ice
QC Level 1 2 3	

	Sampling Date	Sampling Time	Type Comp	Type Grab	Matrix Water	Matrix Soil	Matrix Air	Client Sample ID	LAB QC	Total Number of Containers	VOC TO-15 (including acetone, MTBE, and MEK)	TPH-G by 8015	Fixed Gas by 2720		Cooler Temperature Alternate Description	Lab ID
											Preservative: none					
1	10/5/10	9:35		X			X	ST106-AR- SVMW05-50 -05102010		1	X	X	X		Can #: SG 1863	1
2	10/5/10	9:40		X			X	ST106-AR- SVMW05-100 -05102010		1	X	X	X		Can #: SG 1695	2
3	10/5/10	9:46		X			X	ST106-AR- SVMW05-229 -05102010		1	X	X	X		Can #: SG 1853	3
4	10/5/10	9:51		X			X	ST106-AR- SVMW05-287 -05102010		1	X	X	X		Can #: SG 1859	4
5	10/5/10	10:35		X			X	ST106-AR- SVMW01-50 -05102010		1	X	X	X		Can #: SG 1894	5
6	10/5/10	10:39		X			X	ST106-AR- SVMW01-100 -05102010		1	X	X	X		Can #: SG 1789	6
	10/5/10	10:51		X			X	ST106-AR- SVMW01-250 -05102010		1	X	X	X		Can #: SG 1791	7
	10/5/10	11:00		X			X	ST106-AR- SVMW01-308 -05102010		1	X	X	X		Can #: SG 1788	8
	10/5/10	11:08		X			X	ST106-AR- SVMW06-50 -05102010		1	X	X	X		Can #: SG 1701	9
	10/5/10	11:11		X			X	ST106-AR- SVMW06-99 -05102010		1	X	X	X		Can #: SG 1770	10
	10/5/10	11:17		X			X	ST106-AR- SVMW06-252 -05102010		1	X	X	X		Can #: SG 1780	11
	10/5/10	11:22		X			X	ST106-AR- SVMW06-302 -05102010		1	X	X	X		Can #: SG 1792	12
	10/5/10	11:37		X			X	ST106-AR- SVMW03-50 -05102010		1	X	X	X		Can #: SG 1862	13
	10/5/10	11:40		X			X	ST106-AR- SVMW03-100 -05102010		1	X	X	X		Can #: SG 1687	14
	10/5/10	11:48		X			X	ST106-AR- SVMW03-250 -05102010		1	X	X	X		Can #: SG 1851	15

Meredith Brislen	Relinquished By [signature] 10/6 8940	SHIPPED: Fed Ex
Received By Laura McKinley 10/7/10 1100	Relinquished By	AIRBILL: 7939 8307 4650 + 7939 8332 8487
Received By	Date/Time	

Special Instructions Hard copy to Shane Lowe in STL office of CH2M HILL; pdf, EDD, and questions to Paul Clement. Do not analyze SG1398, can vacuum low and not used for sampling.

SDG: J2911
KAFB ST-106
10/07/2010

Project/Contact Information	
Project #	382698.02.SV.10.07
Project Name	KAFB ST-106, TO-96
Report Copy to	Paul Clement
Company Name/Contact	CH2M HILL- ABQ\ Sharon Minchak

Sampling		Type		Matrix			Client Sample ID	LAB QC	Total Number of Containers	Requested Analysis				Preservative
Date	Time	Comp	Grab	Water	Soil	Air				VOC TO-15 (including acetone, MTBE, and MEK)	TPH-G by 8015	Fixed Gas by 2720		none
10/5/10	11:55		X			X	ST106-AR- SVMW03-300 -05102010		1	X	X	X		
10/5/10	13:13		X			X	ST106-AR- SVMW10-50 -05102010		1	X	X	X		
10/5/10	13:19		X			X	ST106-AR- SVMW10-100 -05102010		1	X	X	X		
10/5/10	13:22		X			X	ST106-AR- SVMW10-150 -05102010		1	X	X	X		
10/5/10	13:27		X			X	ST106-AR- SVMW10-250 -05102010		1	X	X	X		
10/5/10	13:46		X			X	ST106-AR- SVMW09-50 -05102010		1	X	X	X		
10/5/10	13:50		X			X	ST106-AR- SVMW09-100 -05102010		1	X	X	X		
10/5/10	13:54		X			X	ST106-AR- SVMW09-250 -05102010		1	X	X	X		
10/5/10	13:58		X			X	ST106-AR- SVMW09-260 -05102010		1	X	X	X		
10/5/10	14:13		X			X	ST106-AR- SVMW04-50 -05102010		1	X	X	X		
10/5/10	14:19		X			X	ST106-AR- SVMW04-98 -05102010		1	X	X	X		
10/5/10	14:24		X			X	ST106-AR- SVMW04-250 -05102010		1	X	X	X		
10/5/10	14:30		X			X	ST106-AR- SVMW04-297 -05102010		1	X	X	X		
10/5/10	14:54		X			X	ST106-AR- SVMW11-50 -05102010		1	X	X	X		
10/5/10	14:58		X			X	ST106-AR- SVMW11-100 -05102010		1	X	X	X		

THIS AREA FOR LAB USE ONLY	
Lab #	Pg 2 of 3
Lab PM	Custody Review
Log In	LIMS Verification
pH	Cust Seals Y N Ice
QC Level	1 2 3
Cooler Temperature	

Alternate Description	Lab ID
Can #: SG 1850	16
Can #: SG 1273	17
Can #: SG 1959	18
Can #: SG 1842	19
Can #: SG 1774	20
Can #: SG 1681	21
Can #: SG 1872	22
Can #: SG 1771	23
Can #: SG 1888	24
Can #: SG 1779	25
Can #: SG 1893	26
Can #: SG 1881	27
Can #: SG 1300	28
Can #: SG 1335	29
Can #: SG 1992	30

Sampled By	Meredith Brislen
Received By	Shana McKinley 10/7/10 1100
Received By	
Relinquished By	10/6 0940
Relinquished By	
Date/Time	
SHIPPED:	Fed Ex
AIRBILL:	794985074650 + 794983328487

Special Instructions: Hard copy to Shane Lowe in STL office of CH2M HILL; pdf, EDD, and questions to Paul Clement. Do not analyze SG1398, can vacuum low and not used for sampling.

SDG: J2911
KAFB ST-106
10/07/2010

Project/Contact Information	
Project #	382698.02.SV.10.07
Project Name	KAFB ST-106, TO-96
Report Copy to	Paul Clement
Company Name/Contact	CH2M HILL- ABQ\ Sharon Minchak

Sampling		Type		Matrix			Client Sample ID	LAB QC	Total Number of Containers	Requested Analysis				THIS AREA FOR LAB USE ONLY	
Date	Time	Comp	Grab	Water	Soil	Air				VOC TO-15 (including acetone, MTBE, and MEK)	TPH-G by 8015	Fixed Gas by 2720		Lab #	Pg 3 of 3
										Preservative				Alternate Description	Lab ID
										none					
10/5/10	15:05		X			X	ST106-AR- SVMW11-250 -05102010		1	X	X	X		Can #: SG 1756	31
10/5/10	15:15		X			X	ST106-AR- SVMW11-260 -05102010		1	X	X	X		Can #: SG 1884	32

Lab PM | Custody Review
Log In | LIMS Verification
pH | Cust Seals Y N | Ice
QC Level 1 2 3
Cooler Temperature

Sampled By	Meredith Brislen	Relinquished By	10/6 0940
Received By	Dana McKinley 10/7/10 1100	Relinquished By	
Received By		Date/Time	

SHIPPED: Fed Ex
AIRBILL: 793983074650
4 793983328487

Special Instructions: Hard copy to Shane Lowe in STL office of CH2M HILL; pdf, EDD, and questions to Paul Clement. Do not analyze SG1398, can vacuum low and not used for sampling.

SDG: J2911
KAFB ST-106
10/07/2010

Project/Contact Information	
Project #	382698.02.SV.10.07
Project Name	KAFB ST-106, TO-96
Report Copy to	Paul Clement
Company Name/Contact	CH2M HILL- ABQ\ Sharon Minchak

Sampling		Type		Matrix			Client Sample ID	LAB QC	Total Number of Containers	Requested Analysis				THIS AREA FOR LAB USE ONLY
Date	Time	Comp	Grab	Water	Soil	Air				VOC TO-15 (including acetone, MTBE, and MEK)	TPH-G by 8015	Fixed Gas by 2720		
										Preservative				
										none	none	none		
10/4/10	11:53		X			X	ST106-AR-SVMW15-150-04102010		1	X	X	X		Can #: SG 1768 33
10/4/10	11:56		X			X	ST106-AR-SVMW15-250-04102010		1	X	X	X		Can #: SG 1845 34
10/4/10	11:58		X			X	ST106-AR-SVMW15-350-04102010		1	X	X	X		Can #: SG 1268 35
10/4/10	12:04		X			X	ST106-AR-SVMW15-450-04102010		1	X	X	X		Can #: SG 1879 36
10/4/10	12:21		X			X	ST106-AR-SVEW13-400-04102010		1	X	X	X		Can #: SG 1875 37
10/4/10	12:35		X			X	ST106-AR-SVMW13-150-04102010		1	X	X	X		Can #: SG 1473 38
10/4/10	12:36		X			X	ST106-AR-SVMW13-250-04102010		1	X	X	X		Can #: SG 1372 39
10/4/10	12:40		X			X	ST106-AR-SVMW13-350-04102010		1	X	X	X		Can #: SG 1352 40
10/4/10	12:45		X			X	ST106-AR-SVMW13-450-04102010		1	X	X	X		Can #: SG 1994 41
10/4/10	12:56		X			X	ST106-AR-SVEW11-400-04102010		1	X	X	X		Can #: SG 1831 42
10/4/10	13:09		X			X	ST106-AR-SVMW12-150-04102010		1	X	X	X		Can #: SG 1333 43
10/4/10	13:15		X			X	ST106-AR-SVMW12-250-04102010		1	X	X	X		Can #: SG 1866 44
10/4/10	13:16		X			X	ST106-AR-SVMW12-350-04102010		1	X	X	X		Can #: SG 1869 45
10/4/10	13:35		X			X	ST106-AR-SVMW12-450-04102010		1	X	X	X		Can #: SG 1763 46
10/4/10	13:32		X			X	ST106-AR-SVEW10-400-04102010		1	X	X	X		Can #: SG 1810 47

Lab #	Pg 1	of 2
Lab PM	Custody Review	
Log In	LIMS Verification	
pH	Cust Seals Y N	Ice
QC Level 1 2 3		
Cooler Temperature		
Alternate Description	Lab ID	

Sampled By	Meredith Brislen	
Received By	Dawna McKinley 10/7/10 1055	
Received By		
Relinquished By	10/6 0855	
Relinquished By		
Date/Time		
SHIPPED:	FedEx	
AIRBILL:	796315218200	

Special Instructions Hard copy to Shane Lowe in STL office of CH2M HILL; pdf, EDD, and questions to Paul Clement.
Do not analyze SG1378, 1671, and 1803-samples were collected but contents should be disposed of.

SDG: J2911
KAFB ST-106
10/07/2010

Project/Contact Information	
Project #	382698.02.SV.10.07
Project Name	KAFB ST-106, TO-96
Report Copy to	Paul Clement
Company Name/Contact	CH2M HILL- ABQ\ Sharon Minchak

Sampling		Type		Matrix			Client Sample ID	LAB QC	Total Number of Containers	Requested Analysis				Preservative				Alternate Description	Lab ID
Date	Time	Comp	Grab	Water	Soil	Air				VOC TO-15 (including acetone, MTBE, and MEK)	TPH-G by 8015	Fixed Gas by 2720		none					
10/4/10	14:00		X			X	ST106-AR- SVMW08-50 -04102010		1	X	X	X						Can #: SG 1353	48
10/4/10	14:04		X			X	ST106-AR- SVMW08-250 -04102010		1	X	X	X						Can #: SG 1418	49

THIS AREA FOR LAB USE ONLY	
Lab #	Pg 2 of 2
Lab PM	Custody Review
Log In	LIMS Verification
pH	Cust Seals Y N Ice
QC Level	1 2 3
Cooler Temperature	

Sampled By	Meredith Brislen
Received By	Jaime McKinley 10/7/10 1055
Received By	
Special Instructions	Hard copy to Shane Lowe in STL office of CH2M HILL; pdf, EDD, and questions to Paul Clement. Do not analyze SG1378, 1671, and 1803-samples were collected but contents should be disposed of.

Relinquished By	10/6 0855
Relinquished By	
Date/Time	

SHIPPED:	FedEx
AIRBILL:	7963 1521 8200

CH2MHILL
Applied Sciences Laboratory (ASL)

Sample Receipt Record

Batch Number: SDG: J2911
KAFB ST-106
Client/Project: 10/07/2010

Date received: 10/7/10
Checked by: DDK
Checked by: _____

VERIFICATION OF SAMPLE CONDITIONS (verify all items) * HD = Client Hand delivered Samples

Observation	NA	YES	NO
Radiological Screening for DoD			X
Were custody seals intact and on the outside of the cooler?		X	
Type of packing material: Ice Blue Ice (Bubble wrap) Box Blue Foam			
Was a Chain of Custody provided?		X	
Was the Chain of Custody properly filled out? If not document in SRER			X
Were the sample containers in good condition (broken or leaking)?		X	
Containers supplied by ASL?		X	
Any sample with < 1/2 holding time remaining? If so contact LPM			X
Samples have multi-phase? If yes, document on SRER			X
Was there ice in the cooler? Enter temp. If >6°C contact client/SRER °C	X - Air Samples		

All VOCs free of air bubbles? No, document on SRER	X		
pH of all samples checked and met requirements? No, then document in SRER	X		
Enough sample volume provided for analysis? No, document in SRER	unknown		
Did sample labels agree with COC? No, document in SRER			X
Dissolved/Soluble metals filtered in the field?	X		
Dissolved/Soluble metals have sediment in bottom of container? Document in SRER	X		

Sample ID	Reagent	Reagent Lot Number	Volume Added	Initials

CH2MHILL
Applied Sciences Laboratory (ASL)

Sample Receipt Exception Report

Sample Batch Number: SDG: J2911
KAFB ST-106
10/07/2010

The following exceptions were noted:

		Comments (write number of exception description and the impacted sample numbers)
	1. No custody seal as required by project	10) J2911-24
	2. No chain-of-custody provided	COC ID: ST106-AR-SVMW09-260-05102010
	3. Analysis, description, date of collection not provided	Label ID: ST106-AR-SVMW09-260-05102010
	4. Samples broken or leaking on receipt.	
	5. Temperature of samples inappropriate for analysis requested	
	6. Container inappropriate for analysis requested	
	7. Inadequate sample volume.	
	8. Preservation inappropriate for analysis requested	
	9. Samples received out of holding time for analysis requested	
X	10. Discrepancies between COC form and container labels.	
	11. Other.	

ACTION TAKEN: 10) Notify client. Verify correct ID.

Originator: Daisy Kemper Date: 10/7/10

Client was notified on: (Date/Time) Client Contact:

Client Services:

Kemper, Daisy/CVO

From: Brislen, Meredith/ABQ
Sent: Friday, October 08, 2010 7:38 AM
To: Kemper, Daisy/CVO; Clement, Paul/ABQ
Subject: RE: CH2M HILL Applied Sciences Laboratory (ASL) -- RE: Rcvd Samples - SDG: J2911

Sorry, it should be 266. The label is correct.
Thanks,
Meredith

From: Kemper, Daisy/CVO
Sent: Thursday, October 07, 2010 6:49 PM
To: Clement, Paul/ABQ
Cc: Brislen, Meredith/ABQ
Subject: RE: CH2M HILL Applied Sciences Laboratory (ASL) -- RE: Rcvd Samples - SDG: J2911

Oopsie- forgot to mention there was a discrepancy between the COC and container label for # 24 .... Should it be 260 or 266??

Thanks!
Daisy

From: Kemper, Daisy/CVO
Sent: Thursday, October 07, 2010 5:48 PM
To: Clement, Paul/ABQ
Subject: CH2M HILL Applied Sciences Laboratory (ASL) -- RE: Rcvd Samples - SDG: J2911

The LOA and COC for the KAFB ST-106 air samples received today are attached to this email. Your reference number for this sample set is J2911.

Thank you,
Daisy

Daisy Kemper/CH2M HILL
Environmental Chemist
email: Daisy.Kemper@CH2M.com
Office: 541.768.3103
Fax: 541.752.0276
www.ch2mlab.com

CH2M HILL's Applied Sciences Laboratory has moved. Please note that all correspondence/shipment of samples should be sent to:

CH2M HILL Applied Sciences Laboratory
1000 NE Circle Blvd.
Suite 10350
Corvallis, OR 97330-4210

How is our Service? CH2M HILL's Applied Sciences Laboratory (ASL) would like your feedback. Please Click Here to leave your comments and suggestions.

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SDG: J2931
KAFB ST-106
10/11/2010

J2931
22.9°

Project/Contact Information	
Project #	382698.02.SV.10.07
Project Name	KAFB ST-106, TO-96
Report Copy to	Paul Clement
Company Name/Contact	CH2M HILL- ABQ\ Sharon Minchak

Sampling		Type		Matrix			Client Sample ID	LAB QC	Total Number of Containers	Requested Analysis			
Date	Time	Comp	Grab	Water	Soil	Air				VOC TO-15 (including acetone, MTBE, and MEK)	TPH-G by 8015	Fixed Gas by 2720	
										Preservative			
										none			
10/6/10	15:10		X			X	ST106-AR-1066POSTE1 -06102010		1	X	X	X	
10/6/10	15:12		X			X	ST106-AR-1066POSTE2 -06102010		1	X	X	X	
10/6/10	15:15		X			X	ST106-AR-1066INLET -06102010		1	X	X	X	
10/6/10	15:30		X			X	ST106-AR-1068POSTE1 -06102010		1	X	X	X	
10/6/10	15:35		X			X	ST106-AR-1068POSTE2 -06102010		1	X	X	X	
10/6/10	15:38		X			X	ST106-AR-1068INLET -06102010		1	X	X	X	
10/6/10	15:50		X			X	ST106-AR-1065INLET -06102010		1	X	X	X	
10/6/10	15:52		X			X	ST106-AR-1065POSTE2 -06102010		1	X	X	X	
10/6/10	16:21		X			X	ST106-AR-106POSTE1 -06102010		1	X	X	X	
10/6/10	16:23		X			X	ST106-AR-106POSTE2 -06102010		1	X	X	X	
10/6/10	16:25		X			X	ST106-AR-106INLET -06102010		1	X	X	X	
10/7/10	11:34		X			X	ST106-AR-10628-150 -07102010		1	X	X	X	
10/7/10	11:43		X			X	ST106-AR-10628-250 -07102010		1	X	X	X	
10/7/10	11:55		X			X	ST106-AR-10628-350 -07102010		1	X	X	X	
10/7/10	12:05		X			X	ST106-AR-10628-450 -07102010		1	X	X	X	
10/7/10	12:09		X			X	ST106-AR-10628-450DUP -07102010		1	X	X	X	

THIS AREA FOR LAB USE ONLY		
Lab #	Pg 1	of 3
Lab PM	Custody Review	
Log In	LIMS Verification	
pH	Cust Seals Y N	Ice
QC Level 1 2 3		
Cooler Temperature		
Alternate Description		Lab ID
Can #: SG 1760		-1
Can #: SG 1784		-2
Can #: SG 1782		-3
Can #: SG 1688		-4
Can #: SG 1690		-5
Can #: SG 1692		-6
Can #: SG 1855		-7
Can #: SG 1678		-8
Can #: SG 1686		-9
Can #: SG 1693		-10
Can #: SG 1860		-11
Can #: SG 1464		-12
Can #: SG 1864		-13
Can #: SG 1856		1-14
Can #: SG 1689		-15
Can #: SG 1839		-16

Meredith Brislen

Relinquished By 10/8/20

SHIPPED: Fed Ex

Received By 10/11/10 10:30A

Relinquished By

AIRBILL:

Received By

Date/Time

Special Instructions Hard copy to Shane Lowe in STL office of CH2M HILL; pdf, EDD, and questions to Paul Clement.
Do not analyze SG1359, SG1758, can vacuum low and not used for sampling.

Rcvd SG1758, SG1359

SDG: J2931
KAFB ST-106
10/11/2010

Project/Contact Information	
Project #	382698.02.SV.10.07
Project Name	KAFB ST-106, TO-96
Report Copy to	Paul Clement
Company Name/Contact	CH2M HILL- ABQ\ Sharon Minchak

Sampling		Type		Matrix			Client Sample ID	LAB QC	Total Number of Containers	Requested Analysis				Cooler Temperature	
Date	Time	Comp	Grab	Water	Soil	Air				VOC TO-15 (including acetone, MTBE, and MEK)	TPH-G by 8015	Fixed Gas by 2720	Preservative: none	Alternate Description	Lab ID
10/7/10	13:22		X			X	ST106-AR- SVMW14-150 -07102010		1	X	X	X		Can #: SG 1804	-17
10/7/10	13:25		X			X	ST106-AR- SVMW14-250 -07102010		1	X	X	X		Can #: SG 1377	-18
10/7/10	13:28		X			X	ST106-AR- SVMW14-350 -07102010		1	X	X	X		Can #: SG 1320	-19
10/7/10	13:32		X			X	ST106-AR- SVMW14-450 -07102010		1	X	X	X		Can #: SG 1440	-20
10/7/10	13:52		X			X	ST106-AR- SVEW12-400 -07102010		1	X	X	X		Can #: SG 1843	-21
10/7/10	14:30		X			X	ST106-AR- SVMW02-50 -07102010		1	X	X	X		Can #: SG 1348	-22
10/7/10	14:33		X			X	ST106-AR- SVMW02-97 -07102010		1	X	X	X		Can #: SG 1674	-23
10/7/10	14:35		X			X	ST106-AR- SVMW02-150 -07102010		1	X	X	X		Can #: SG 1404	-24
10/7/10	15:05		X			X	ST106-AR- SVMW07-49 -07102010		1	X	X	X		Can #: SG 1846	-25
10/7/10	15:08		X			X	ST106-AR- SVMW07-95 -07102010		1	X	X	X		Can #: SG 1389	-26
10/7/10	15:12		X			X	ST106-AR- SVMW07-147 -07102010		1	X	X	X		Can #: SG 1790	-27
10/7/10	16:26		X			X	ST106-AR- SVEW04-298 -07102010		1	X	X	X		Can #: SG 1661	-28
10/7/10	16:27		X			X	ST106-AR-SVEW04-298DUP -07102010		1	X	X	X		Can #: SG 1459	-29
10/7/10	16:30		X			X	ST106-AR- SVEW05-445 -07102010		1	X	X	X		Can #: SG 1677	-30
10/7/10	16:31		X			X	ST106-AR-SVEW05-445DUP -07102010		1	X	X	X		Can #: SG 1778	-31

THIS AREA FOR LAB USE ONLY	
Lab #	Pg 2 of 3
Lab PM	Custody Review
Log In	LIMS Verification
pH	Cust Seals Y N Ice
QC Level	1 2 3

Sampled By	Meredith Brislen	Relinquished By	10/8/19720
Received By	10/11/10 10:30A	Relinquished By	
Received By		Date/Time	

SHIPPED: Fed Ex
AIRBILL:

Special Instructions: Hard copy to Shane Lowe in STL office of CH2M HILL; pdf, EDD, and questions to Paul Clement. Do not analyze SG1359, SG1758, can vacuum low and not used for sampling.

SDG: J2931
KAFB ST-106
10/11/2010

Project/Contact Information	
Project #	382698.02.SV.10.07
Project Name	KAFB ST-106, TO-96
Report Copy to	Paul Clement
Company Name/Contact	CH2M HILL- ABQ\ Sharon Minchak

Sampling		Type		Matrix			Client Sample ID	LAB QC	Total Number of Containers	Requested Analysis				THIS AREA FOR LAB USE ONLY
Date	Time	Comp	Grab	Water	Soil	Air				VOC TO-15 (including acetone, MTBE, and MEK)	TPH-G by 8015	Fixed Gas by 2720		
										Preservative				Cooler Temperature
										none				Alternate Description / Lab ID
10/7/10	16:43		X			X	ST106-AR- SVEW01-245 -07102010		1	X	X	X		Can #: SG 1318 -32
10/8/10	14:24		X			X	ST106-AR- SVEW02-45 -08102010		1	X	X	X		Can #: SG 1271 -33
10/8/10	14:24		X			X	ST106-AR-SVEW02-45DUP -08102010		1	X	X	X		Can #: SG 1762 -34
10/8/10	14:38		X			X	ST106-AR- SVEW03-145 -08102010		1	X	X	X		Can #: SG 1374 -35
10/8/10	14:51		X			X	ST106-AR- SVEW06-45 -08102010		1	X	X	X		Can #: SG 1662 -36
10/8/10	15:03		X			X	ST106-AR- SVEW07-145 -08102010		1	X	X	X		Can #: SG 1341 -37
10/8/10	15:17		X			X	ST106-AR- SVEW08-245 -08102010		1	X	X	X		Can #: SG 1675 -38
10/8/10	15:18		X			X	ST106-AR-SVEW08-245DUP -08102010		1	X	X	X		Can #: SG 1766 -39
10/8/10	15:27		X			X	ST106-AR- SVEW09-435 -08102010		1	X	X	X		Can #: SG 1394 -40
10/8/10	15:28		X			X	ST106-AR-SVEW09-435DUP -08102010		1	X	X	X		Can #: SG 1761 -41

Lab #	Pg 3 of 3		
Lab PM	Custody Review		
Log In	LIMS Verification		
pH	Cust Seals Y N	Ice	
QC Level	1 2 3		

Sampled By	Meredith Brislen	Relinquished By	10/8/10 1720
Received By	10/11/10 10:30A	Relinquished By	SHIPPED: Fed Ex
Received By		Date/Time	AIRBILL:

Special Instructions Hard copy to Shane Lowe in STL office of CH2M HILL; pdf, EDD, and questions to Paul Clement. Do not analyze SG1359, SG1758, can vacuum low and not used for sampling.

CH2MHILL
Applied Sciences Laboratory (ASL)

Sample Receipt Record

Batch Number: SDG: J2931
KAFB ST-106
10/11/2010

Client/Project: _

Date received: 10-11-10

Checked by: RM

Checked by: _____

VERIFICATION OF SAMPLE CONDITIONS (verify all items) * HD = Client Hand delivered Samples

Observation	NA	YES	NO
Radiological Screening for DoD		✓	
Were custody seals intact and on the outside of the cooler?		✓	
Type of packing material: Ice Blue Ice Bubble wrap BOX - AIR CANS		✓	
Was a Chain of Custody provided?		✓	
Was the Chain of Custody properly filled out? If not document in SRER		✓	
Were the sample containers in good condition (broken or leaking)?		✓	
Containers supplied by ASL?		✓	
Any sample with < 1/2 holding time remaining? If so contact LPM			✓
Samples have multi-phase? If yes, document on SRER			✓
Was there ice in the cooler? Enter temp. If >6°C contact client/SRER °C	✓		

All VOCs free of air bubbles? No, document on SRER	✓		
pH of all samples checked and met requirements? No, then document in SRER	✓		
Enough sample volume provided for analysis? No, document in SRER		✓	
Did sample labels agree with COC? No, document in SRER		✓	
Dissolved/Soluble metals filtered in the field?	✓		
Dissolved/Soluble metals have sediment in bottom of container? Document in SRER	✓		

Sample ID	Reagent	Reagent Lot Number	Volume Added	Initials

#3501094 Wells 15, 16, and 3

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CHAIN OF CUSTODY RECORD

Page 1 of 1 3501094 NB

Special Handling:
TAT- Indicate Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
CC: Ben.Moayyad@CH2M.com

Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4 GW 2010
T0260
APINVOICES@CH2M.com

P.O. No.: 941821 RQN: _____

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): B. Moayyad,

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= ICe 10= NaOH+ZnAl 11= _____

List preservative code below: 10 9 9 9 2 9 9 4 3

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Containers: Analyses: NB 10-22-10

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	E276.1-Sulfide	8015B-DRO	8270-SIM SVOC	8011-EDB	8015B-GRO 8260B-VOCs	E300-Anions	E310 Alk	Dissolved 6010 Metals	E350 Ammonia
-01	ST106-GW-15-21102010	10/21/10	0815	G	GW	9	2	/	5	1	1	1	3	6	1	1	1	1
-02	ST106-GW-16-21102010	10/21/10	0840	G	GW	9	2	/	5	1	1	1	3	6	1	1	1	1
-03	ST106-GW-03-21102010	10/21/10	0900	G	GW	9	2	/	5	1	1	1	3	6	1	1	1	1

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards: _____

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH<2 8260, 8015G, 6010, 350.1 pH>9 376.1

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 3.1
no double ambers received

Relinquished by:	Received by:	Date:	Time:
[signature] Christy Hall		10/21/10	1730
	[signature]	10-22-10	850

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3501067 Wells 1064, 10616, 1061, and 3411

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CHAIN OF CUSTODY RECORD

Page 1 of 3501067 DB

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
cc. Ben.Moayyad@CH2M.com

Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4GW2010
TO 260
APINVOICES@CH2M.com

P.O. No.: 941821 RQN:

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): T. Arrowood, C. Hall

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= ICE 10= NaOH+ZnAc 11=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8015 B-DRO	List preservative code below: 9	9	9	2	9	9	4	3	10
						Containers:					Analyses: QS 10-19-10								
											8270 SIM-SVOC	8011 - EDB	8015 B-GRO 8260B-VOCs	E300 - Anions	E310 - ALK	Dissolved 6010 - Metals	E350 - Ammonia	E376.1 - Sulfide	
-01	ST106-TB-09-18102010	10/18/2010	0955	G	GW	2	✓	✓	✓	✓	✓	✓	2	✓	✓	✓	✓	✓	
-02	ST106-GW-1064-18102010		1000	G	GW	9	2	✓	5	1	1	3	6	1	1	1	1	1	
-03	ST106-GW-10616-18102010		1350	G	GW	9	2	✓	5	1	1	3	6	1	1	1	1	1	
-04	ST106-GW-1061-18102010		1217	G	GW	9	2	✓	5	1	1	3	6	1	1	1	1	1	
-05	ST106-GW-3411-18102010		1545	G	GW	9	2	✓	5	1	1	3	6	1	1	1	1	1	

Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards:

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
ph#2 8260.6010, 8015G, 350.1 ph#9 376.1

Relinquished by:	Received by:	Date:	Time:
Todd Arrowood		10/18/10	1730
	[signature]	10-19-10	950

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5.4C, 3.6C

no double ambers received

3501067

283

#3501056 Wells 1062, 10611, 10615 and 1067

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CHAIN OF CUSTODY RECORD

Page 1 of 3501056 08

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
CC: Ben Moayyad@CH2M.com
Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4GW2010
To 268
APINVOICES@CH2M.com
P.O. No.: 941821 RQN:

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): T. Arrowood, C. Hall

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= ICE 10= NaOH +ZnAc 11=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8015 B-DRO	8270 SIM-SVOC	8011 - EDB	8015 B-GRO, 8260B-VOC's	E 300 - Anions	E 310-ALK	6010 - Dissolved Metals	E350-Ammonia	E 376.1 - Sulfide
	ST106-TB-08-1510	10/15/2010	0907	G	GW	2	/	/	/	/	/	/	2	/	/	/	/	/
	ST106-GW-1062-1510	10/15/2010	1000	G	GW	9	2	/	5	1	1	3	6	1	1	1	1	1
	ST106-GW-10611-1510	10/15/2010	1114	G	GW	9	2	/	5	1	1	3	6	1	1	1	1	1
	ST106-GW-10615-1510	10/15/2010	1330	G	GW	9	2	/	5	1	1	3	6	1	1	1	1	1
	ST106-GW-1067-1510	10/15/2010	1523	G	GW	9	2	/	5	1	1	3	6	1	1	1	1	1

List preservative code below:

9	9	2	9	9	4	3	10

Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards:

☑ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH<2 8260, 6010, 350.1, 8015G pH>9 376.1

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 2.3C, 2.4C
No double ambers received

Relinquished by:	Received by:	Date:	Time:
Todd Arrowood		10/15/10	1730
		10/16/10	940

3501056

297

3501031 Wells 1063, 10612

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CHAIN OF CUSTODY RECORD

3501031 NB

Page 1 of Cooler 1 of 2

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
CC: Ben Mayyard@CH2M.com
Project Mgr.: Sharon Minchalk

Invoice To: ST106 Q4 GW2010
T0260
APINVOICES@CH2M.com
P.O. No.: 941821 RQN:

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): T. Arrowood, C. Hall

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Ice 10= NaOH+ZnAc 11= 9

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8015 B-DRO	List preservative code below: 9	9	2	9	9	4	3	10	Analyses: NB 10-15-10 8270 SIM-SVOC	8011-EDB	8015 B-GRO & 8260B-VOCs	E300-Anions	E310-ALK	6010-Dissolved Metals	E350-Ammonia	E376.1-Sulfide	Notes:
-01	ST106-TB-07-14102010	10/14/2010	0900	G	GW	2	/	/	/	/	/	/	2	/	/	/	/	/									
-02	ST106-GW-1063-14102010	10/14/2010	1010			9	2	/	5	X1	B1	B3	6	1	1	1	1	1									
-03	ST106-GW-10612-14102010		1540							1	1	3	6	1	1	1	1	1									
-04	ST106-FD-10612-14102010		1545							1	1	3	6	1	1	1	1	1									
-05	ST106-MS-10612-14102010		1550							1	1	3	6	1	1	1	1	1									
-06	ST106-MSD-10612-14102010		1550							1	1	3	6	1	1	1	1	1									

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards:

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH<2 8260, 8015G, 6010, 350.2 pH>9 376.1

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 4.8, 1.8

Relinquished by:	Received by:	Date:	Time:
Todd Arrowood		10/14/10	1800
	M Sa	10/15/10	905

3501031

321

#3501013 Wells 10617 and 10619

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CHAIN OF CUSTODY RECORD

Page ____ of 3501013 DS

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
CC: Ben.Moayyad@CH2M.com

Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4 GW 2010
TO260
APINVOICES@CH2M.com

P.O. No.: 941821 RQN: ____

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): B Moayyad, C. Hall

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Ice 10=NaOH+ZnAcc. 11=____ 9

List preservative code below: 9 | ~~92~~ | ~~89~~ | ~~99~~ | ~~94~~ | ~~93~~ | ~~3~~ | ~~70~~

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=____ X2=____ X3=____

G=Grab C=Composite

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8015B-DRO 8270SIM-SVOC	8011-EDB	8015B-GRO 8260B-VOCs	E300-Anions	E310-ALK	6010-Metals	E350-Ammonia	E276L-Sulfide	
-01	ST106-TB-05-12102010	10/12/10	0910	G	GW	2	/	/	/			2						
-02	ST106-EB-Pump2-12102010	10/12/10	0915	G	GW	6	2	/	2	2		6	1		1			
-03	ST106-GW-10617-12102010	10/12/10	1050	G	GW	9	2	/	5	2	3	6	1	1	1	1	1	
-04	ST106-GW-10619-12102010	10/12/10	1340	G	GW	9	2	/	5	2	3	6	1	1	1	1	1	

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH<2 8260, 8015G, 6010, 350.1 ~~376.1~~ NS 10-13-10 pH>9 376.1

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 3.2

Relinquished by:	Received by:	Date:	Time:
B Moayyad		10/12/10	1700
	[signature]	10/13/10	855

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#3501006 Wells 10613 and 10620

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CHAIN OF CUSTODY RECORD

Page ____ of 3501006 ng

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
CC: Ben.Moayyad@CH2M.com

Project Mgr.: Sharon MinChak

Invoice To: ST106 Q4 GW 2010
TO 260
APINVOICES@CH2M.com

P.O. No.: 941821 RQN: ____

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): B Moayyad, C. Hall

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= ICe 10= NaOH+ ZnAct 11= ____

List preservative code below: 9 9 2 9 9 4 3 10

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=____ X2=____ X3=____

G=Grab C=Composite

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards: ____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8015B-DRO 8270SIM-SVOC	~~8015B-GRO~~ 8011-EDB	8015B-GRO 8260B-VOCs	E300-Anions	E310-ALK	6010 Dissolved Metals	E350-Ammonia	E376.1-Sulfide
-01	ST106-TB-04-11102010	10/11/10	0845	G	GW	2		/	~~2~~				2	~~1~~		~~1~~ ng 10-12-10		
-02	ST106-EB-Pump3-11102010	10/11/10	0900	G	GW	6	2	/	2		2		6	1		1 ng 10-12-10		
-03	ST106-GW-~~10612~~ 10620 MF 10/12/10 11102010	10/11/10	1030	G	GW	9	2	/	5		2	3	6	1	1	1	1	1
-04	ST106-GW-10613-11102010	10/11/10	1315	G	GW	9	2	/	5		2	3	6	1	1	1	1	1

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH<2 8260, 8015G, 6010, 350.1 pH>9 376.1

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 3.2

Relinquished by:	Received by:	Date:	Time:
[signature]		10/11/2010	1530
	[signature]	10/12/10	910

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3500996 Well 10621

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3500996 KJS

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
shane.lowe@ch2m.com
cc Ben.moayyad@ch2m.com

Project Mgr.: Sharon Minchak

Invoice To: ST106 · Q4 GW2010
T0260
AP Invoices@CH2M.com

P.O. No.: 94821 RQN:

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): B. Moayyad

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Ice 10= NaOH + Zn Ach 11=

List preservative code below: 9 9 2 9 9 4 3 10

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Containers: Analyses:

Lab Id:	Sample Id:	Date: 10/8/10	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8015B-DRO 8270SIM(SVOC)	8011-EDB	8015B-GRO 8260B-VOC	E300-Anions	E310-Alkalinity	6010-Dissolved Metals	E350-Ammonia	E376.1-Sulfide	
-01	ST106-TB-03-08102010		0850	G	GW	2		X					2						trip blank
-02	ST106-EB-Pump4-08102010		0900	G	GW	9	2	X	2		2	3	6	1		1			
-03	ST106-GW-10621-08102010		1110	G	GW	9	2	X	5		2	3	6	1	1	1	1	1	

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other see QAPP

State specific reporting standards:

☑ E-mail to Shane.lowe@ch2m.com
EDD Format Paul.clement@ch2m.com
pH<2 8260, 8015G, 6010, 350.1 pH>9 376.1, No double Ambers

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 2.6

Relinquished by:	Received by:	Date:	Time:
Ben Moayyad		10/8/10	1500
	Russell [signature]	10/9/10	09:15

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#3500982 Wells 10622 and 10623

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CHAIN OF CUSTODY RECORD

Page 1 of 1 3500982 NJ

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.lowe@ch2m.com
cc Ben.moayyad@ch2m.com

Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4 GW2010
T0260
APINVOICES@CH2M.COM

P.O. No.: 941821 RQN:

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): B. Moayyad

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= ICE 10= NaOH+Zn Act 11=

List preservative code below: 9 9 2 9 9 4 3 10

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☑ Level IV
☑ Other See QAPP

State specific reporting standards:

Lab Id:	Sample Id:	Date: 10/7/10	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8015B-DRO 8270SIM(VOC)	8011-EDB	8015B-GRO 8260B-VOC	E300-Anions	E310-Alkalinity	6010-Dissolved Metals	E350-Ammonia	E376.1-Sulfide	
-01	ST106-EB-Pump5-07102010		0850	G	GW	9	2	/	5		2	3	6	1	1	1	1	1	10-8-10
-02	ST106-GW-10623-07102010		10450	G	GW	9	2	/	5		↓	↓	↓	1	1	1	1	1	
-03	ST106-GW-10622-07102010		1340	G	GW	9	2	/	5		↓	↓	↓	1	1	1	1	1	
-04	ST106-TB-02-07102010		0845	G	W	2							2						trip blank

☑ E-mail to Shane.lowe@ch2m.com
EDD Format cc paul.clement@ch2m.com
pH<2 350.1, 6010, 8260, 8015G pH>9 376.1

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5.4C

Relinquished by:	Received by:	Date:	Time:
Ben Moayyad		10/7/10	1610
	[signature]	10-8-10	8:35

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3501020 Wells 10624 and 10627

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CHAIN OF CUSTODY RECORD

Page 1 of 1 3501020 08

Special Handling:
TAT- Indicate Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
CC: Ben.Mayyad@CH2M.com
Project Mgr.: Sharon Minchalk

Invoice To: ST106 Q4 GW 2010
T0260
APInvoices@CH2M.com
P.O. No.: 941821 RQN:

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): B. Mayyad, C. Hall, T. Allowood

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Ice 10= NAOH+ZnAc 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8015 B - ORO	List preservative code below: 9	9	9	2	9	9	4	3	1b	Analyses: 8270 SIM-SVOC	8011-EDB	8015B-GRO 8260B-VOC	E 300-Anions	E310-ALK	6010-metals	E350-Ammonia	E376.1-Sulfide
-01	ST106-EB-Pump1-13102010 (Sample ID's switched RDS 10-14-10)	10/13/10	0920	G	GW	2	~~3~~ 2 (10-14-10)	/	/	/				2						/	/	2	/	/	/	/	/
-02	ST106-TB-06-13102010	10/13/10	0948	G	GW	~~3~~ 2	/	2	1					3	6	1	/	1	/	/								
-03	ST106-GW-10627-13102010	10/13/10	1052	G	GW	9	2	/	5	1				3	6	1	1	1	1	1								
-04	ST106-GW-10624-13102010	10/13/10	1342	G	GW	9	2	/	5	1				3	6	1	1	1	1	1								

Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards:

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH<2 8260, 8015G, 6010, 350.3 pH>9 376.1

Relinquished by:	Received by:	Date:	Time:
Todd Accawood		10/13/10	1700
	TM SM	10/14/10	850

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 2.4C

Sample 01 has 75mm headspace

3501020
282

#3500970 Wells 10626 and 10625 Cooler 1 of 2

PEL
A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1 3500970 ng

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
shane.lowe@ch2m.com
cc Ben.moayyad@ch2m.com
Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4 GW 2010
T0260
AP INVOICES@CH2M.com
P.O. No.: 941821 RQN:

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): B Moayyad, ~~[illegible]~~

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Ice 10= NaOH + Zn Act 11=

List preservative code below: 9 9 2 9 9 4 3 10

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☑ Level IV
☑ Other See QAPP

State specific reporting standards:

Lab Id:	Sample Id:	Date: 10/6/10	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8015B-DRO 8270SIM-SVOC	8011-EDB	8015B-GRO 8260B-VOC	E300-Anions	E310-Alkalinity	6010-Dissolved Metals	E350-Ammonia	E376.1 Sulfide	
-01	ST106-GW-10626-06102010		10:15	G	GW	9	2	/	5		2	3	6	1	1	1	1	1	normal
-02	ST106-MS-10626-06102010		10:15	↓	↓	9	↓		↓		↓	↓	↓	↓	↓	↓	↓	↓	Matrix Spike
-03	ST106-MSD-10626-06102010		10:15	↓	↓	↓	↓		↓		↓	↓	↓	↓	↓	↓	↓	↓	Matrix spike Dup.
-04	ST106-FD-10626-06102010		1030	↓	↓	↓	↓		↓		↓	↓	↓	↓	↓	↓	↓	↓	
-05	ST106-TB-01-06102010		1000	G	W	2							2						Trip Blank
-06	ST106-GW-10625-06102010		1510	G	GW	9	2	/	5		2	3	6	1	1	1	1	1	
			118 10-7-10																

☐ E-mail to
EDD Format pH<2 8260, 8015, 350.1, 6010
pH 79 376.1

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 2.0, 4.3

Relinquished by:	Received by:	Date:	Time:
[signature] Ben Moayyad		10/6/10	1700
	[signature]	10/7/10	950

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3500970

317

#3501071 Wells 10618 and 10610

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CHAIN OF CUSTODY RECORD

Page 1 of 1 Cooler 1 of 2 3501071 08

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane. Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
cc Ben.Moayyad@CH2M.com
Project Mgr.: Sharon Minchale

Invoice To: ST106 Q4 GW 2010
TO 260
APINVOICES@CH2M.com
P.O. No.: 941821 RQN:

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): T. Arrowood, C. Hall

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= ICE 10= NaOH+ZnAc 11=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8015 B - DRO	8270 SIM-Sval	8011 - EDB	8015 B-GRO 8260B-VOCs	E 300-Anions	E310 Alk	6010 Dissolved Metals	E350-Ammonia	E 376.1 Sulfide
						List preservative code below:				9	9	9	2	9	9	4	3	10
-01	ST106-TB-10-19102010	10/19/10	0950	G	GW	2	1	1	1	1	1	1	2	1	1	1	1	1
-02	ST106-GW-10618-19102010		0945			9	2	1	5	1	1	3	6	1	1	1	1	1
-03	ST106-GW-10610-19102010		1300			9	2	1	5	1	1	3	6	1	1	1	1	1
-04	ST106-FD-1-10610-19102010		1330			9	2	1	5	1	1	3	6	1	1	1	1	1

Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☑ Level IV
☐ Other See QAPP

State specific reporting standards:

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH<2 8260, 6010, 8015G, 350.1 pH>9 376.1

Condition upon receipt: ☑ Iced ☐ Ambient ☐ °C 1.6C, 3.3C

Relinquished by:	Received by:	Date:	Time:
Todd Arrowood		10/19/10	1600
	[signature]	10-20-10	840

no double ambers received

3501071

317

#3501084 Wells 1069, 1065, and 10618

PEL
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CHAIN OF CUSTODY RECORD

Page 1 of 3501084 ns

Special Handling:
TAT- Indicate Date Needed:
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
cc. Ben-Moayyad@CH2M.com

Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4 GW 2010
TO 260
AP INVOICES@CH2M.com

P.O. No.: 941821 RQN:

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): T. Arrowood, C. Hall

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= ICE 10= NaOH + 2nAC 11=

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Containers: Analyses: ns 10-21-10

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8015 B-DRO	8270 SIM-SVOC	8011-EDB	8015 B-GRO 8260 B-VOCs	E300-Anions	E310-ALK	Dissolved 6010-Metals	E350-Ammonia	E276.1-Sulfide
										9	9	9	2	9	9	4	3	10
-01	ST106-TB-11-20102010	10/20/10	0910	G	GW	2	/	/	/	/	/	/	2	/	/	/	/	/
-02	ST106-GW-P-1069-20102010	↓	1000	↓	↓	9	2	/	5	1	1	3	6	1	1	1	1	1
-03	ST106-GW-P-1065-20102010	↓	1215	↓	↓	9	2	/	5	1	1	3	6	1	1	1	1	1
-04	ST106-GW-P-10617-20102010	↓	1430	↓	↓	9	2	/	5	1	1	3	6	1	1	1	1	1

Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards:

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH<2 8260, 6010, 350.1, 8015G pH>9 3760.1

Relinquished by:	Received by:	Date:	Time:
Todd Arrowood		10/20/10	1700
	[signature]	10/21/10	855

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 4.9C

no double ambers received

8405 Benjamin Road • Tampa, Florida 33634 • 813-888-9507 • FAX 813-889-7128 • www.pelab.com

3501095 Wells 1066 and 1068

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CHAIN OF CUSTODY RECORD

Page 1 of 1 3501095 03

Special Handling:
TAT- Indicate Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
Shane.Lowe@CH2M.com
cc. Ben.Moayyed@CH2M.com

Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4GW2010
TO 260
APINVOICES@CH2M.com

P.O. No.: 941821 RQN: _____

Project No.: 408190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): T. Arrowood, C. Hall

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Ice 10= NaOH+ZnAc 11= _____

List preservative code below: 9 9 9 2 9 9 4 3 10

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards: _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8015 B-DRO	Analyses: 03 10-22-10 8270 SIM-SVOL	8011 - EDB	8015-B GRO 8260-B-VOCs	E300 - Anions	E310 - ALK	6010 - Dissolved	E350 - Ammonia	E376.1 - Sulfide
-01	ST106-TB-12-21102010	10/21/10	0850	G	GW	2	/	/	/	/	/	/	2	/	/	/	/	/
-02	ST106-GW-P-1066-21102010		0940	G	GW	9	2	/	5	1	1	3	6	1	1	1	1	1
-03	ST106-GW-P-1068-21102010		11:45	G	GW	9	2	/	5	~~1~~	~~1~~	3	6	1	~~1~~	1	1	1
			03 10-22-10															

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH<2 8260, 8015G, 6010, 350.1 pH>9 376.1

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 2.1

Relinquished by:	Received by:	Date:	Time:
Christy Hall		10/21/10	1730
		10-22-10	850

Sample -03 376.1 container contains limited volume

3501095
282

3501115 Well 10628

PEL
A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1 3501115 NB

Special Handling:
TAT- Indicate Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane.Lowe
(314) 335 3624
Shane.Lowe@CH2M.com
cc/ Ben.Moayyad@CH2M.com
Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4 GW2010
To 260
APINVOICES@CH2M.com
P.O. No.: 941821 RQN: _____

Project No.: 409190.02.FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): T.Arrowood, C.Hall

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= ICE 10= NaOH/ZnAc 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8015 D-DRO	List preservative code below: 9	9	2	9	9	4	3	10	Analyses: NB 10-28-10 8270 SIM SVOC	8011 - EDB	8015 B-GRO 8260 B-VOCs	E300-Anions	E310-Alk	6010 Dissolved Metals	E350 Ammonia	E376.1 Sulfide
-01	ST106-TB-13-22102010	10/22/10	0900	G	GW	2	/	/	/	/									/	/	2	/	/	/	/	/
-02	ST106-GW-P-10628-22102010	↓	0915	G	GW	9	2	/	5	1									1	3	6	1	1	1	1	1

Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other See QAPP

State specific reporting standards: _____

☒ E-mail to Shane.Lowe@CH2M.com
EDD Format Paul.Clement@CH2M.com
pH=7 SW6020, Co010, 350.1; SM5310B pH=9 376.1

Relinquished by:	Received by:	Date:	Time:
Todd Arrowood		10/22/10	1300
		10/23/10	905

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 4.6C
No double ambers received for bromide, contains Cl- bubbles

3501115

279

3501187 VA2

PEL
A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page ____ of ____ 3501187 NB

Special Handling:
TAT- Indicate Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
shane.lowe@ch2m.com
cc Ben.Moayyad@ch2m.com

Project Mgr.: Sharon Minchak

Invoice To: ST106 Q4 GW 2010
TO 260
AP INVOICES@CH2M.COM

P.O. No.: 941821 RQN: _____

Project No.: 408190.02.FE.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): B. Moayyad

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Ice 10= NaOH + Zn Acid 11= _____

List preservative code below: 9 9 10 9 9 4 3 10

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Containers: Analyses:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8011-EDB 8015B-DRO	8270 PAHs	8015B-GRO 8260B-VOCs	E300-Anions	E310 Alkalinity	6010 Metals	E350-Ammonia	E376.1-Sulfide
-01	ST106-TB-14-0211 2010	11/2/10	0900	G	GW	2							2		per client NB 11-3-10			
-02	ST106-GW-IDW-tank-4Q2010	↓	1220	↓	↓						3/1	1	6	1	~~1~~	1	~~1~~	~~1~~
-03	ST106-GW-VA2-0211 2010	↓	1315 NB 11-3	↓	↓						3/1	1	6	1	1	1	1	1

collection time for sample 03 taken from sample containers

☑ E-mail to shane.lowe@ch2m.com
EDD Format cc Paul.Clement@CH2M.com
pH<2 6010, 8260, 8015G, no double ambers received
pH79 376.1 350.1
Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 3.8

Relinquished by:	Received by:	Date:	Time:
[signature] B. Moayyad		11/2/10	1525
	[signature]	11-3-10	850

8405 Benjamin Road, Suite A • Tampa, Florida 33634 • 813-888-9507 • FAX 813-889-7128 • www.pelab.com

3501355 Ridgecrest Rapid Turn Requested ~~Rap~~

PEL
A Division of SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1 3501355 ng

Special Handling:
TAT- Indicate Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Shane Lowe
(314) 335-3024
shane.low@ch2m.com
Ben.Moayyad@CH2M.com
Project Mgr.: _____

Invoice To: ST106 Q4GW2010
T0260
APINVOICES@CH2M.COM
P.O. No.: 941821 RQN: _____

Project No.: 408190.02FF.03
Site Name: ST106
Location: Kirtland AFB State: NM
Sampler(s): B. Moayyad, ~~EAM~~

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Ice 10= NaOH+Zn Acid 11= _____

List preservative code below: 9 9 2 9 9 4 3 10

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☑ Level IV
☐ Other see QAPP

State specific reporting standards: _____

Lab Id:	Sample Id:	Date: 11/18/10	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8015B-DRO 8270SIM-PAHs	8011-EDB	8015-GRO 8260-VOCs	E300-Anions	E310-Alkalinity	SW6010-Dissolved Metals	E350-Ammonia	E376.1-Sulfide	
-01	ST106-GW-2819RC-18112010		0925	G	GW	9	2	/	5		2	3	6	1	1	1	1	1	1 week Turn

1 extra amber received

☑ E-mail to Shane.lowe@ch2m.com
EDD Format Paul.clement@ch2m.com
pH<2 350.1, 6010, 8260, 8015G
pH>9 376.1
Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 2.0

Relinquished by:	Received by:	Date:	Time:
[signature] Benjamin Moayyad		11/18/10	1200
	[signature]	11-19-10	855

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