



01-Feb-2012

Herman Lucero
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **PDC Mesa 16 Background 5/4/11**

Work Order: **1105150**

Dear Herman,

ALS Environmental received 5 samples on 06-May-2011 10:00 AM for the analyses presented in the following report.

This is a REVISED REPORT. The Case Narrative provides information discussing the reason for issuing a revised report. The total number of pages in this revision is 34.

If you have any questions regarding these test results, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Alex Csaszar

Ann Preston
Project Manager



ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

ALS GROUP USA, CORP. Part of the ALS Group A Campbell Brothers Limited Company

Environmental The ALS logo, a stylized blue triangle with a yellow flame inside.

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



Client: HRL Compliance Solutions
Project: PDC Mesa 16 Background 5/4/11
Work Order: 1105150

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1105150-01	Drill Cuttings	Soil		5/4/2011 10:30	5/6/2011 10:00	<input checked="" type="checkbox"/>
1105150-02	AS 1	Soil		5/4/2011 10:45	5/6/2011 10:00	<input type="checkbox"/>
1105150-03	AS 2	Soil		5/4/2011 10:50	5/6/2011 10:00	<input type="checkbox"/>
1105150-04	AS 3	Soil		5/6/2011 11:00	5/6/2011 10:00	<input type="checkbox"/>
1105150-05	Background	Soil		5/4/2011 11:05	5/6/2011 10:00	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: PDC Mesa 16 Background 5/4/11
Work Order: 1105150

Case Narrative

The Drill Cuttings data are not included in this revised report, per the client's request 1/11/12.

Batch 33205, Diesel Range Organics by GC-FID, Sample 1105150-01A: Surrogate recovery was above control limits due to matrix interference.

Batch 33203 MS/MSD data for Metals is not related to this project's samples.

Batch 33204 LCS/LCSD recoveries for a few Semi-volatile compounds were above control limits. All samples in this quality control batch were ND for these compounds. The MS/MSD data for Semi-Volatiles is not related to this project's samples.

Batch 33240 MS/MSD data for Hexavalent Chromium is not related to this project's samples.

A revised report was issued per client request to remove Drill Cuttings data.

Client: HRL Compliance Solutions
Project: PDC Mesa 16 Background 5/4/11
WorkOrder: 1105150

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight
s.u.	Standard Units



ALS Group USA, Corp

Date: 01-Feb-12

Client: HRL Compliance Solutions

Project: PDC Mesa 16 Background 5/4/11

Sample ID: AS 1

Collection Date: 5/4/2011 10:45 AM

Work Order: 1105150

Lab ID: 1105150-02

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 5/7/2011	Analyst: CES
Arsenic	23		0.94	mg/Kg-dry	2	5/10/2011 06:40 AM
MOISTURE			A2540 G			Analyst: JJG
Moisture	26		0.050	% of sample	1	5/6/2011 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



Client:	HRL Compliance Solutions	Work Order:	1105150
Project:	PDC Mesa 16 Background 5/4/11	Lab ID:	1105150-03
Sample ID:	AS 2	Matrix:	SOIL
Collection Date:	5/4/2011 10:50 AM		

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 5/7/2011	Analyst: CES
Arsenic	28		1.1	mg/Kg-dry	2	5/10/2011 06:46 AM
MOISTURE			A2540 G			Analyst: JJG
Moisture	29		0.050	% of sample	1	5/6/2011 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.



ALS Group USA, Corp

Date: 01-Feb-12

Client: HRL Compliance Solutions
Project: PDC Mesa 16 Background 5/4/11
Sample ID: AS 3
Collection Date: 5/6/2011 11:00 AM

Work Order: 1105150
Lab ID: 1105150-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS			SW6020A		Prep Date: 5/7/2011	Analyst: CES
Arsenic	44		1.0	mg/Kg-dry	2	5/10/2011 06:52 AM
MOISTURE			A2540 G			Analyst: JJG
Moisture	25		0.050	% of sample	1	5/6/2011 12:01 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client:	HRL Compliance Solutions	Work Order:	1105150
Project:	PDC Mesa 16 Background 5/4/11	Lab ID:	1105150-05
Sample ID:	Background	Matrix:	SOIL
Collection Date:	5/4/2011 11:05 AM		

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
SUBCONTRACTED ANALYSES			SUBCONTRACT			Analyst: A&LGL
Subcontracted Analyses	Rcvd 5/11/11			attached	1	5/11/2011
MOISTURE			A2540 G			Analyst: JJG
Moisture	26		0.050	% of sample	1	5/6/2011 12:01 PM
PH			SW9045D			Analyst: JJG
pH	7.44			s.u.	1	5/6/2011 11:00 AM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Report Number: F11129-0258
Account Number: 91000

A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, Indiana 46808-4413 • Phone 260-483-4759 • Fax 260-483-5274
www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS



REPORT PRINTED 2/1/2012

TO: ALS LABORATORY GROUP
3352 128TH AVE
HOLLAND, MI 49424-9263

RE: 1105150

DATE RECEIVED: 05/09/2011

DATE REPORTED: 02/01/2012

PAGE: 1

P.O. NUMBER: 20-122010075

ATTN: ANN PRESTON

REPORT OF ANALYSIS

LAB NO.	SAMPLE ID	ANALYSIS	RESULT	UNIT	METHOD
30107	05B	Sat'd Paste Extraction with DIW	1		USDA Handbook 60
		Conductivity (ECe)	0.21	mmho/cm	USDA Handbook 60
		Calcium (Sat'd Paste)	23	ppm	USDA Handbook 60
		Magnesium (Sat'd Paste)	8	ppm	USDA Handbook 60
		Sodium (Sat'd Paste)	16	ppm	USDA Handbook 60
		Sodium Adsorption Ratio (SAR)	0.7	-	USDA Handbook 60

ALS Group USA, Corp

Date: 01-Feb-12

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33205 Instrument ID GC8 Method: SW8015M

MBLK	Sample ID: DBLKS1-33205-33205					Units: mg/Kg		Analysis Date: 5/10/2011 09:15 PM		
Client ID:	Run ID: GC8_110510A				SeqNo: 1623019		Prep Date: 5/9/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	4.2								
Surr: 4-Terphenyl-d14	1.602	0	1.667	0	96.1	39-115	0			

LCS	Sample ID: DLCSS1-33205-33205				Units:mg/Kg		Analysis Date: 5/10/2011 07:37 PM			
Client ID:	Run ID: GC8_110510A				SeqNo:1623016		Prep Date: 5/9/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	180.9	5.0	200	0	90.4	60-130	0			
Surr: 4-Terphenyl-d14	1.756	0	2	0	87.8	39-115	0			

LCSD	Sample ID: DLCSDS1-33205-33205					Units:mg/Kg		Analysis Date: 5/10/2011 08:02 PM		
Client ID:	Run ID: GC8_110510A				SeqNo:1623047		Prep Date: 5/9/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
RO (C10-C28)	175.7	5.0	200	0	87.8	60-130	180.9	2.92	30	
Surr: 4-Terphenyl-d14	1.672	0	2	0	83.6	39-115	1.756	4.85	30	

MS	Sample ID: 1105174-04A MS				Units: mg/Kg		Analysis Date: 5/10/2011 03:57 PM			
Client ID:	Run ID: GC8_110510A				SeqNo: 1623008		Prep Date: 5/9/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	299.6	8.2	328	8.159	88.9	60-130	0			
Surr: 4-Terphenyl-d14	2.175	0	3.28	0	66.3	39-115	0			

MSD	Sample ID: 1105174-04A MSD				Units: mg/Kg		Analysis Date: 5/10/2011 04:21 PM			
Client ID:	Run ID: GC8_110510A				SeqNo: 1623039		Prep Date: 5/9/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	313.1	7.9	317.1	8.159	96.1	60-130	299.6	4.39	30	
Surr: 4-Terphenyl-d14	1.937	0	3.171	0	61.1	39-115	2.175	11.6	30	

The following samples were analyzed in this batch: 1105150-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.


Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: R89951 Instrument ID GC9 Method: SW8015

MBLK	Sample ID: MBLK-R89951-R89951					Units: µg/L		Analysis Date: 5/10/2011 12:38 PM		
Client ID:	Run ID: GC9_110510B					SeqNo: 1622997		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	200								
Surr: Toluene-d8	94.8	0	100	0	94.8	70-130	0			

LCS	Sample ID: LCS-R89951-R89951				Units: µg/L		Analysis Date: 5/10/2011 11:15 AM			
Client ID:	Run ID: GC9_110510B				SeqNo: 1622995		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	27010	200	25000	0	108	70-130	0			
Surr: Toluene-d8	104.5	0	100	0	105	70-130	0			

LCSD	Sample ID: LCSD-R89951-R89951					Units: µg/L		Analysis Date: 5/10/2011 11:41 AM		
Client ID:	Run ID: GC9_110510B				SeqNo: 1622996		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	28380	200	25000	0	114	70-130	27010	4.93	30	
 Surr: Toluene-d8	103.7	0	100	0	104	70-130	104.5	0.816	30	

MS	Sample ID: 1105136-03A MS				Units: µg/Kg		Analysis Date: 5/10/2011 09:44 PM			
Client ID:	Run ID: GC9_110510B				SeqNo: 1622987		Prep Date:		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	2573000	5,000	2500000	0	103	70-130	0			
Surr: Toluene-d8	9665	0	10000	0	96.6	50-150	0			

MS	Sample ID: 1105174-04B MS				Units: µg/Kg		Analysis Date: 5/10/2011 10:10 PM			
Client ID:	Run ID: GC9_110510B				SeqNo: 1622988		Prep Date:		DF: 118	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	2956000	5,900	2950000	0	100	70-130	0			
Surr: Toluene-d8	11290	0	11800	0	95.7	50-150	0			

MSD	Sample ID: 1105136-03A MSD				Units: µg/Kg		Analysis Date: 5/10/2011 10:36 PM			
Client ID:	Run ID: GC9_110510B				SeqNo: 1622989		Prep Date:		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	2406000	5,000	2500000	0	96.3	70-130	2573000	6.68	30	
Surr: Toluene-d8	9269	0	10000	0	92.7	50-150	9665	4.18	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1105150
Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: **R89951** Instrument ID **GC9** Method: **SW8015**

MSD	Sample ID: 1105174-04B MSD				Units: µg/Kg		Analysis Date: 5/10/2011 11:01 PM			
Client ID:	Run ID: GC9_110510B				SeqNo: 1622990		Prep Date:		DF: 118	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	2744000	5,900	2950000	0	93	70-130	2956000	7.46	30	
Surr: Toluene-d8	11240	0	11800	0	95.2	50-150	11290	0.45	30	

The following samples were analyzed in this batch:

1105150-01B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33259 Instrument ID HG1 Method: SW7471

MBLK	Sample ID: MBLK-33259-33259					Units:mg/Kg		Analysis Date: 5/12/2011 12:36 PM		
Client ID:	Run ID: HG1_110512A				SeqNo:1623668		Prep Date: 5/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.020								

LCS	Sample ID: LCS-33259-33259					Units:mg/Kg		Analysis Date: 5/12/2011 12:38 PM		
Client ID:	Run ID: HG1_110512A				SeqNo:1623669		Prep Date: 5/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1652	0.020	0.1665	0	99.2	80-120	0			

LCSD	Sample ID: LCSD-33259-33259					Units:mg/Kg		Analysis Date: 5/12/2011 12:40 PM		
Client ID:	Run ID: HG1_110512A				SeqNo:1623670		Prep Date: 5/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1705	0.020	0.1665	0	102	80-120	0.1652	3.13	20	

MS	Sample ID: 1105208-03BMS				Units: mg/Kg		Analysis Date: 5/12/2011 01:14 PM			
Client ID:	Run ID: HG1_110512A				SeqNo: 1623685		Prep Date: 5/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1671	0.018	0.1516	0.006278	106	75-125	0			

MSD	Sample ID: 1105208-03BMSD					Units:mg/Kg		Analysis Date: 5/12/2011 01:16 PM		
Client ID:	Run ID: HG1_110512A				SeqNo:1623686		Prep Date: 5/12/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1695	0.019	0.1611	0.006278	101	75-125	0.1671	1.41	35	

The following samples were analyzed in this batch:

1105150-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33203 Instrument ID ICPMS1 Method: SW6020A

MBLK Sample ID: MBLK-33203-33203 Units: mg/Kg Analysis Date: 5/10/2011 04:12 AM

Client ID: Run ID: ICPMS1_110509A SeqNo: 1621165 Prep Date: 5/7/2011 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	ND	0.25								
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

MBLK Sample ID: MBLK-33203-33203 Units: mg/Kg Analysis Date: 5/10/2011 01:17 PM

Client ID: Run ID: ICPMS1_110509A SeqNo: 1621829 Prep Date: 5/7/2011 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	ND	0.25								

CS Sample ID: LCS-33203-33203 Units: mg/Kg Analysis Date: 5/10/2011 04:18 AM

Client ID: Run ID: ICPMS1_110509A SeqNo: 1621167 Prep Date: 5/7/2011 DF: 2

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.132	0.50	5	0	103	80-120	0			
Barium	4.909	0.50	5	0	98.2	80-120	0			
Cadmium	4.589	0.20	5	0	91.8	80-120	0			
Chromium	5.625	0.50	5	0	112	80-120	0			
Copper	5.414	0.50	5	0	108	80-120	0			
Nickel	5.598	0.50	5	0	112	80-120	0			
Selenium	4.753	0.50	5	0	95.1	80-120	0			
Silver	4.485	0.50	5	0	89.7	80-120	0			
Zinc	5.422	1.0	5	0	108	80-120	0			

LCS Sample ID: LCS-33203-33203 Units: mg/Kg Analysis Date: 5/10/2011 01:47 PM

Client ID: Run ID: ICPMS1_110509A SeqNo: 1621832 Prep Date: 5/7/2011 DF: 2

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	4.871	0.50	5	0	97.4	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33203 Instrument ID ICPMS1 Method: SW6020A

LCSD		Sample ID: LCSD-33203-33203				Units: mg/Kg		Analysis Date: 5/10/2011 04:24 AM		
Client ID:		Run ID: ICPMS1_110509A				SeqNo: 1621169		Prep Date: 5/7/2011		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.943	0.50	5	0	98.9	80-120	5.132	3.75	20	
Barium	4.747	0.50	5	0	94.9	80-120	4.909	3.36	20	
Cadmium	4.422	0.20	5	0	88.4	80-120	4.589	3.71	20	
Chromium	5.33	0.50	5	0	107	80-120	5.625	5.39	20	
Copper	5.166	0.50	5	0	103	80-120	5.414	4.69	20	
Nickel	5.33	0.50	5	0	107	80-120	5.598	4.9	20	
Selenium	4.559	0.50	5	0	91.2	80-120	4.753	4.17	20	
Silver	4.271	0.50	5	0	85.4	80-120	4.485	4.89	20	
Zinc	5.176	1.0	5	0	104	80-120	5.422	4.64	20	

LCSD		Sample ID: LCSD-33203-33203				Units: mg/Kg		Analysis Date: 5/10/2011 01:53 PM		
Client ID:		Run ID: ICPMS1_110509A				SeqNo: 1621833		Prep Date: 5/7/2011		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	4.738	0.50	5	0	94.8	80-120	4.871	2.77	20	

MS		Sample ID: 1105171-04BMS				Units: mg/Kg		Analysis Date: 5/10/2011 10:13 AM		
Client ID:		Run ID: ICPMS1_110509A				SeqNo: 1621291		Prep Date: 5/7/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.409	0.41	8.157	1.531	84.3	80-120	0			
Barium	51.66	0.41	8.157	40.99	131	80-120	0			SO
Cadmium	7.184	0.16	8.157	0.03361	87.7	80-120	0			
Lead	13.59	0.41	8.157	4.057	117	80-120	0			
Selenium	6.488	0.41	8.157	0.2389	76.6	80-120	0			S
Silver	7.121	0.41	8.157	0.002449	87.3	80-120	0			
Zinc	18.16	0.82	8.157	11.3	84.1	80-120	0			

MS		Sample ID: 1105171-04BMS				Units: mg/Kg		Analysis Date: 5/10/2011 06:20 PM		
Client ID:		Run ID: ICPMS1_110509A				SeqNo: 1622158		Prep Date: 5/7/2011		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Copper	9.561	0.82	8.157	1.912	93.8	80-120	0			

MS		Sample ID: 1105171-04BMS				Units: mg/Kg		Analysis Date: 5/11/2011 11:00 AM		
Client ID:		Run ID: ICPMS2_110511A				SeqNo: 1622606		Prep Date: 5/7/2011		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	12.8	0.82	8.157	4.15	106	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33203 Instrument ID ICPMS1 Method: SW6020A

MSD		Sample ID: 1105171-04BMSD				Units: mg/Kg		Analysis Date: 5/10/2011 10:19 AM		
Client ID:		Run ID: ICPMS1_110509A				SeqNo: 1621292		Prep Date: 5/7/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.626	0.41	8.278	1.531	85.7	80-120	8.409	2.54	25	
Barium	49.83	0.41	8.278	40.99	107	80-120	51.66	3.61	25	O
Cadmium	7.455	0.17	8.278	0.03361	89.7	80-120	7.184	3.7	25	
Lead	13.82	0.41	8.278	4.057	118	80-120	13.59	1.72	25	
Selenium	6.759	0.41	8.278	0.2389	78.8	80-120	6.488	4.1	25	S
Silver	7.342	0.41	8.278	0.002449	88.7	80-120	7.121	3.06	25	
Zinc	20.02	0.83	8.278	11.3	105	80-120	18.16	9.74	25	

MSD		Sample ID: 1105171-04BMSD				Units: mg/Kg		Analysis Date: 5/10/2011 06:26 PM		
Client ID:		Run ID: ICPMS1_110509A				SeqNo: 1622159		Prep Date: 5/7/2011		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Copper	9.882	0.83	8.278	1.912	96.3	80-120	9.561	3.3	25	

MSD		Sample ID: 1105171-04BMSD				Units: mg/Kg		Analysis Date: 5/11/2011 11:05 AM		
Client ID:		Run ID: ICPMS2_110511A				SeqNo: 1622607		Prep Date: 5/7/2011		DF: 2
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	13.09	0.83	8.278	4.15	108	80-120	12.8	2.29	25	

The following samples were analyzed in this batch:

1105150-01A	1105150-02A	1105150-03A
1105150-04A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204 Instrument ID SVMS5 Method: SW8270

MBLK Sample ID: SBLKS1-33204-33204 Units: µg/Kg Analysis Date: 5/11/2011 09:02 AM

Client ID: Run ID: SVMS5_110510A SeqNo: 1622740 Prep Date: 5/9/2011 DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	ND	160								
1,2-Dichlorobenzene	ND	160								
1,3-Dichlorobenzene	ND	160								
1,4-Dichlorobenzene	ND	160								
2,4,5-Trichlorophenol	ND	160								
2,4,6-Trichlorophenol	ND	160								
2,4-Dichlorophenol	ND	160								
2,4-Dimethylphenol	ND	330								
2,4-Dinitrophenol	ND	660								
2,4-Dinitrotoluene	ND	160								
2,6-Dinitrotoluene	ND	160								
2-Chloronaphthalene	ND	80								
2-Chlorophenol	ND	160								
2-Methylnaphthalene	ND	80								
2-Methylphenol	ND	160								
2-Nitroaniline	ND	660								
2-Nitrophenol	ND	160								
2,3'-Dichlorobenzidine	ND	660								
3-Nitroaniline	ND	660								
4,6-Dinitro-2-methylphenol	ND	330								
4-Bromophenyl phenyl ether	ND	160								
4-Chloro-3-methylphenol	ND	160								
4-Chloroaniline	ND	660								
4-Chlorophenyl phenyl ether	ND	160								
4-Methylphenol	ND	160								
4-Nitroaniline	ND	660								
4-Nitrophenol	ND	660								
Acenaphthene	ND	30								
Acenaphthylene	ND	30								
Anthracene	ND	30								
Benzo(a)anthracene	ND	30								
Benzo(a)pyrene	ND	30								
Benzo(b)fluoranthene	ND	30								
Benzo(g,h,i)perylene	ND	30								
Benzo(k)fluoranthene	ND	30								
Bis(2-chloroethoxy)methane	ND	160								
Bis(2-chloroethyl)ether	ND	160								
Bis(2-chloroisopropyl)ether	ND	160								
Bis(2-ethylhexyl)phthalate	ND	330								
Butyl benzyl phthalate	ND	160								
Carbazole	ND	160								
Chrysene	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204		Instrument ID SVMS5		Method: SW8270				
Dibenzo(a,h)anthracene	ND	30						
Dibenzofuran	ND	160						
Diethyl phthalate	ND	330						
Dimethyl phthalate	ND	330						
Di-n-butyl phthalate	76.67	330						J
Di-n-octyl phthalate	ND	160						
Famphur	ND	0						
Fluoranthene	ND	30						
Fluorene	ND	30						
Hexachlorobenzene	ND	160						
Hexachlorobutadiene	ND	160						
Hexachlorocyclopentadiene	ND	330						
Hexachloroethane	ND	160						
Indeno(1,2,3-cd)pyrene	ND	30						
Isophorone	ND	160						
Naphthalene	ND	30						
Nitrobenzene	ND	160						
N-Nitrosodi-n-propylamine	ND	160						
N-Nitrosodiphenylamine	ND	160						
Pentachlorophenol	ND	330						
Phenanthrene	ND	30						
Phenol	ND	160						
Pyrene	ND	30						
Pyridine	ND	160						
Surr: 2,4,6-Tribromophenol	1198	0	1667	0	71.9	34-140	0	
Surr: 2-Fluorobiphenyl	953	0	1667	0	57.2	12-100	0	
Surr: 2-Fluorophenol	1080	0	1667	0	64.8	33-117	0	
Surr: 4-Terphenyl-d14	1615	0	1667	0	96.9	25-137	0	
Surr: Nitrobenzene-d5	1009	0	1667	0	60.6	37-107	0	
Surr: Phenol-d6	1033	0	1667	0	62	40-106	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204 Instrument ID SVMS5 Method: SW8270

LCS		Sample ID: SLCSS1-33204-33204				Units: µg/Kg		Analysis Date: 5/11/2011 09:36 AM		
Client ID:		Run ID: SVMS5_110510A				SeqNo: 1622741		Prep Date: 5/9/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	1021	160	1333	0	76.6	45-110	0			
1,2-Dichlorobenzene	993	160	1333	0	74.5	45-95	0			
1,3-Dichlorobenzene	960.7	160	1333	0	72.1	40-100	0			
1,4-Dichlorobenzene	978	160	1333	0	73.4	35-105	0			
2,4,5-Trichlorophenol	1066	160	1333	0	80	50-110	0			
2,4,6-Trichlorophenol	1022	160	1333	0	76.7	45-110	0			
2,4-Dichlorophenol	1030	160	1333	0	77.3	45-110	0			
2,4-Dimethylphenol	1065	330	1333	0	79.9	30-105	0			
2,4-Dinitrophenol	745	660	1333	0	55.9	15-130	0			
2,4-Dinitrotoluene	1073	160	1333	0	80.5	50-115	0			
2,6-Dinitrotoluene	1135	160	1333	0	85.1	50-110	0			
2-Chloronaphthalene	1045	80	1333	0	78.4	45-105	0			
2-Chlorophenol	976.7	160	1333	0	73.3	45-105	0			
2-Methylnaphthalene	1102	80	1333	0	82.7	45-105	0			
2-Methylphenol	1018	160	1333	0	76.3	40-105	0			
2-Nitroaniline	1348	660	1333	0	101	45-120	0			
2-Nitrophenol	1008	160	1333	0	75.6	40-110	0			
2-Nitroaniline	1197	660	1333	0	89.8	25-150	0			
4-Bromophenyl phenyl ether	1161	160	1333	0	87.1	45-115	0			
4-Chloro-3-methylphenol	1155	160	1333	0	86.6	45-115	0			
4-Chloroaniline	4827	660	1333	0	362	15-110	0			SE
4-Chlorophenyl phenyl ether	1031	160	1333	0	77.3	45-110	0			
4-Methylphenol	1058	160	1333	0	79.3	40-105	0			
4-Nitroaniline	952	660	1333	0	71.4	35-150	0			
4-Nitrophenol	1033	660	1333	0	77.5	15-140	0			
Acenaphthene	1040	30	1333	0	78	45-110	0			
Acenaphthylene	1110	30	1333	0	83.3	45-105	0			
Anthracene	1225	30	1333	0	91.9	55-105	0			
Benzo(a)anthracene	1094	30	1333	0	82.1	50-110	0			
Benzo(a)pyrene	1171	30	1333	0	87.9	50-110	0			
Benzo(b)fluoranthene	1115	30	1333	0	83.6	45-115	0			
Benzo(g,h,i)perylene	1082	30	1333	0	81.2	40-125	0			
Benzo(k)fluoranthene	1194	30	1333	0	89.6	45-115	0			
Bis(2-chloroethoxy)methane	1081	160	1333	0	81.1	45-110	0			
Bis(2-chloroethyl)ether	1010	160	1333	0	75.8	40-105	0			
Bis(2-chloroisopropyl)ether	1009	160	1333	0	75.7	20-115	0			
Bis(2-ethylhexyl)phthalate	1183	330	1333	0	88.7	45-125	0			
Butyl benzyl phthalate	1117	160	1333	0	83.8	50-125	0			
Carbazole	1909	160	1333	0	143	50-150	0			
Chrysene	1158	30	1333	0	86.9	55-110	0			
Dibenzo(a,h)anthracene	1152	30	1333	0	86.4	40-125	0			
Dibenzofuran	1128	160	1333	0	84.6	50-105	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204	Instrument ID SVMS5		Method: SW8270					
Diethyl phthalate	1194	330	1333	0	89.5	50-115	0	
Dimethyl phthalate	1143	330	1333	0	85.8	50-110	0	
Di-n-butyl phthalate	1105	330	1333	0	82.9	55-110	0	
Di-n-octyl phthalate	1169	160	1333	0	87.7	40-130	0	
Fluoranthene	1342	30	1333	0	101	55-115	0	
Fluorene	1127	30	1333	0	84.6	50-110	0	
Hexachlorobenzene	1162	160	1333	0	87.2	45-120	0	
Hexachlorobutadiene	1034	160	1333	0	77.5	40-115	0	
Hexachlorocyclopentadiene	812	330	1333	0	60.9	40-115	0	
Hexachloroethane	983	160	1333	0	73.7	35-110	0	
Indeno(1,2,3-cd)pyrene	1120	30	1333	0	84	40-120	0	
Isophorone	1096	160	1333	0	82.2	45-110	0	
Naphthalene	1035	30	1333	0	77.7	40-105	0	
Nitrobenzene	1063	160	1333	0	79.7	40-115	0	
N-Nitrosodi-n-propylamine	1079	160	1333	0	80.9	40-115	0	
N-Nitrosodiphenylamine	1665	160	1333	0	125	50-115	0	S
Pentachlorophenol	933.7	330	1333	0	70	25-120	0	
Phenanthrene	1199	30	1333	0	90	50-110	0	
Phenol	1040	160	1333	0	78	40-100	0	
Pyrene	1123	30	1333	0	84.2	45-125	0	
Surr: 2,4,6-Tribromophenol	1488	0	1667	0	89.3	34-140	0	
Surr: 2-Fluorobiphenyl	1260	0	1667	0	75.6	12-100	0	
Surr: 2-Fluorophenol	1255	0	1667	0	75.3	33-117	0	
Surr: 4-Terphenyl-d14	1649	0	1667	0	99	25-137	0	
Surr: Nitrobenzene-d5	1315	0	1667	0	78.9	37-107	0	
Surr: Phenol-d6	1284	0	1667	0	77	40-106	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204 Instrument ID SVMS5 Method: SW8270

LCSD Sample ID: SLCSDS1-33204-33204				Units: µg/Kg			Analysis Date: 5/11/2011 10:10 AM			
Client ID:		Run ID: SVMS5_110510A			SeqNo: 1622742		Prep Date: 5/9/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	1090	160	1333	0	81.7	45-110	1021	6.54	25	
1,2-Dichlorobenzene	1061	160	1333	0	79.6	45-95	993	6.65	25	
1,3-Dichlorobenzene	1039	160	1333	0	78	40-100	960.7	7.87	25	
1,4-Dichlorobenzene	1059	160	1333	0	79.4	35-105	978	7.95	25	
2,4,5-Trichlorophenol	1180	160	1333	0	88.5	50-110	1066	10.1	25	
2,4,6-Trichlorophenol	1108	160	1333	0	83.1	45-110	1022	8.04	25	
2,4-Dichlorophenol	1110	160	1333	0	83.2	45-110	1030	7.45	25	
2,4-Dimethylphenol	1026	330	1333	0	77	30-105	1065	3.67	25	
2,4-Dinitrophenol	1090	660	1333	0	81.7	15-130	745	37.6	25	R
2,4-Dinitrotoluene	1111	160	1333	0	83.4	50-115	1073	3.48	25	
2,6-Dinitrotoluene	1175	160	1333	0	88.2	50-110	1135	3.52	25	
2-Chloronaphthalene	1115	80	1333	0	83.6	45-105	1045	6.42	25	
2-Chlorophenol	1050	160	1333	0	78.8	45-105	976.7	7.24	25	
2-Methylnaphthalene	1168	80	1333	0	87.6	45-105	1102	5.79	25	
2-Methylphenol	1092	160	1333	0	81.9	40-105	1018	7.08	25	
2-Nitroaniline	1293	660	1333	0	97	45-120	1348	4.11	25	
2-Nitrophenol	1119	160	1333	0	83.9	40-110	1008	10.4	25	
3-Nitroaniline	1233	660	1333	0	92.5	25-110	1197	2.94	25	
4-Bromophenyl phenyl ether	1158	160	1333	0	86.9	45-115	1161	0.23	25	
4-Chloro-3-methylphenol	1209	160	1333	0	90.7	45-115	1155	4.57	25	
4-Chloroaniline	5039	660	1333	0	378	15-110	4827	4.3	25	SE
4-Chlorophenyl phenyl ether	1058	160	1333	0	79.4	45-110	1031	2.65	25	
4-Methylphenol	1127	160	1333	0	84.6	40-105	1058	6.38	25	
4-Nitroaniline	1004	660	1333	0	75.3	35-150	952	5.35	25	
4-Nitrophenol	1144	660	1333	0	85.8	15-140	1033	10.3	25	
Acenaphthene	1106	30	1333	0	83	45-110	1040	6.18	25	
Acenaphthylene	1171	30	1333	0	87.9	45-105	1110	5.35	25	
Anthracene	1243	30	1333	0	93.2	55-105	1225	1.46	25	
Benzo(a)anthracene	1135	30	1333	0	85.2	50-110	1094	3.68	25	
Benzo(a)pyrene	1206	30	1333	0	90.4	50-110	1171	2.89	25	
Benzo(b)fluoranthene	1158	30	1333	0	86.9	45-115	1115	3.81	25	
Benzo(g,h,i)perylene	1134	30	1333	0	85.1	40-125	1082	4.69	25	
Benzo(k)fluoranthene	1390	30	1333	0	104	45-115	1194	15.2	25	
Bis(2-chloroethoxy)methane	1169	160	1333	0	87.7	45-110	1081	7.88	25	
Bis(2-chloroethyl)ether	1102	160	1333	0	82.6	40-105	1010	8.65	25	
Bis(2-chloroisopropyl)ether	1068	160	1333	0	80.1	20-115	1009	5.68	25	
Bis(2-ethylhexyl)phthalate	1213	330	1333	0	91	45-125	1183	2.53	25	
Butyl benzyl phthalate	1162	160	1333	0	87.2	50-125	1117	3.95	25	
Carbazole	1921	160	1333	0	144	50-150	1909	0.609	25	
Chrysene	1182	30	1333	0	88.7	55-110	1158	2.08	25	
Dibenzo(a,h)anthracene	1212	30	1333	0	90.9	40-125	1152	5.08	25	
Dibenzofuran	1168	160	1333	0	87.6	50-105	1128	3.48	25	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204	Instrument ID SVMS5			Method: SW8270						
Diethyl phthalate	1224	330	1333	0	91.8	50-115	1194	2.54	25	
Dimethyl phthalate	1172	330	1333	0	87.9	50-110	1143	2.45	25	
Di-n-butyl phthalate	1125	330	1333	0	84.4	55-110	1105	1.76	25	
Di-n-octyl phthalate	1195	160	1333	0	89.6	40-130	1169	2.23	25	
Fluoranthene	1400	30	1333	0	105	55-115	1342	4.26	25	
Fluorene	1160	30	1333	0	87	50-110	1127	2.86	25	
Hexachlorobenzene	1186	160	1333	0	89	45-120	1162	2.04	25	
Hexachlorobutadiene	1095	160	1333	0	82.1	40-115	1034	5.73	25	
Hexachlorocyclopentadiene	932.3	330	1333	0	69.9	40-115	812	13.8	25	
Hexachloroethane	1062	160	1333	0	79.6	35-110	983	7.69	25	
Indeno(1,2,3-cd)pyrene	1175	30	1333	0	88.1	40-120	1120	4.79	25	
Isophorone	1169	160	1333	0	87.7	45-110	1096	6.45	25	
Naphthalene	1114	30	1333	0	83.6	40-105	1035	7.35	25	
Nitrobenzene	1128	160	1333	0	84.6	40-115	1063	5.96	25	
N-Nitrosodi-n-propylamine	1149	160	1333	0	86.2	40-115	1079	6.31	25	
N-Nitrosodiphenylamine	1697	160	1333	0	127	50-115	1665	1.94	25	S
Pentachlorophenol	1092	330	1333	0	81.9	25-120	933.7	15.6	25	
Phenanthrene	1220	30	1333	0	91.5	50-110	1199	1.71	25	
Phenol	1132	160	1333	0	84.9	40-100	1040	8.44	25	
Pyrene	1179	30	1333	0	88.5	45-125	1123	4.92	25	
Surr: 2,4,6-Tribromophenol	1509	0	1667	0	90.6	34-140	1488	1.42	40	
Surr: 2-Fluorobiphenyl	1376	0	1667	0	82.6	12-100	1260	8.83	40	
Surr: 2-Fluorophenol	1331	0	1667	0	79.8	33-117	1255	5.85	40	
Surr: 4-Terphenyl-d14	1723	0	1667	0	103	25-137	1649	4.35	40	
Surr: Nitrobenzene-d5	1442	0	1667	0	86.5	37-107	1315	9.21	40	
Surr: Phenol-d6	1361	0	1667	0	81.7	40-106	1284	5.82	40	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204 Instrument ID SVMS5 Method: SW8270

MS		Sample ID: 1105174-04A MS				Units: µg/Kg		Analysis Date: 5/11/2011 10:45 AM		
Client ID:		Run ID: SVMS5_110510A				SeqNo: 1622743		Prep Date: 5/9/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	1534	320	2632	0	58.3	45-110	0			
1,2-Dichlorobenzene	1422	320	2632	0	54	45-95	0			
1,3-Dichlorobenzene	1321	320	2632	0	50.2	40-100	0			
1,4-Dichlorobenzene	1329	320	2632	0	50.5	35-105	0			
2,4,5-Trichlorophenol	2204	320	2632	0	83.7	50-110	0			
2,4,6-Trichlorophenol	2183	320	2632	0	82.9	45-110	0			
2,4-Dichlorophenol	2010	320	2632	0	76.4	45-110	0			
2,4-Dimethylphenol	1683	650	2632	0	64	30-105	0			
2,4-Dinitrophenol	625.9	1,300	2632	0	23.8	15-130	0			J
2,4-Dinitrotoluene	2061	320	2632	0	78.3	50-115	0			
2,6-Dinitrotoluene	2154	320	2632	0	81.8	50-110	0			
2-Chloronaphthalene	1817	160	2632	0	69	45-105	0			
2-Chlorophenol	1637	320	2632	0	62.2	45-105	0			
2-Methylnaphthalene	1809	160	2632	9.926	68.3	45-105	0			
2-Methylphenol	1777	320	2632	0	67.5	40-105	0			
2-Nitroaniline	2436	1,300	2632	0	92.5	45-120	0			
2-Nitrophenol	1768	320	2632	0	67.2	40-110	0			
2-Nitroaniline	2351	1,300	2632	0	89.3	25-110	0			
4-Bromophenyl phenyl ether	1906	320	2632	0	72.4	45-115	0			
4-Chloro-3-methylphenol	2288	320	2632	0	86.9	45-115	0			
4-Chloroaniline	6998	1,300	2632	0	266	15-110	0			SE
4-Chlorophenyl phenyl ether	1770	320	2632	0	67.2	45-110	0			
4-Methylphenol	1901	320	2632	0	72.2	40-105	0			
4-Nitroaniline	1619	1,300	2632	0	61.5	35-150	0			
4-Nitrophenol	2178	1,300	2632	0	82.7	15-140	0			
Acenaphthene	1949	59	2632	31.43	72.9	45-110	0			
Acenaphthylene	2013	59	2632	16.54	75.8	45-105	0			
Anthracene	2359	59	2632	100.3	85.8	55-105	0			
Benzo(a)anthracene	3552	59	2632	666.4	110	50-110	0			
Benzo(a)pyrene	3721	59	2632	654.5	116	50-110	0			S
Benzo(b)fluoranthene	3741	59	2632	759.4	113	45-115	0			
Benzo(g,h,i)perylene	2599	59	2632	307.7	87	40-125	0			
Benzo(k)fluoranthene	5017	59	2632	882.1	157	45-115	0			SE
Bis(2-chloroethoxy)methane	1906	320	2632	0	72.4	45-110	0			
Bis(2-chloroethyl)ether	1587	320	2632	0	60.3	40-105	0			
Bis(2-chloroisopropyl)ether	1568	320	2632	0	59.6	20-115	0			
Bis(2-ethylhexyl)phthalate	1915	650	2632	35.4	71.4	45-125	0			
Butyl benzyl phthalate	1747	320	2632	0	66.4	50-125	0			
Carbazole	4235	320	2632	0	161	50-150	0			SE
Chrysene	3682	59	2632	770.9	111	55-110	0			S
Dibenzo(a,h)anthracene	2195	59	2632	116.1	79	40-125	0			
Dibenzofuran	2051	320	2632	14.89	77.3	50-105	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204	Instrument ID SVMS5		Method: SW8270					
Diethyl phthalate	2124	650	2632	0	80.7	50-115	0	
Dimethyl phthalate	2268	650	2632	212.4	78.1	50-110	0	
Di-n-butyl phthalate	1830	650	2632	75.77	66.6	55-110	0	
Di-n-octyl phthalate	2114	320	2632	63.2	77.9	40-130	0	
Fluoranthene	8671	59	2632	2204	246	55-115	0	SE
Fluorene	2105	59	2632	45.66	78.2	50-110	0	
Hexachlorobenzene	1997	320	2632	0	75.9	45-120	0	
Hexachlorobutadiene	1443	320	2632	0	54.8	40-115	0	
Hexachlorocyclopentadiene	485	650	2632	0	18.4	40-115	0	JS
Hexachloroethane	1213	320	2632	0	46.1	35-110	0	
Indeno(1,2,3-cd)pyrene	2644	59	2632	274.6	90	40-120	0	
Isophorone	1953	320	2632	0	74.2	45-110	0	
Naphthalene	1629	59	2632	8.603	61.6	40-105	0	
Nitrobenzene	1744	320	2632	0	66.3	40-115	0	
N-Nitrosodi-n-propylamine	1874	320	2632	0	71.2	40-115	0	
N-Nitrosodiphenylamine	2458	320	2632	0	93.4	50-115	0	
Pentachlorophenol	1934	650	2632	0	73.5	25-120	0	
Phenanthrene	4681	59	2632	837.4	146	50-110	0	SE
Phenol	1797	320	2632	0	68.3	40-100	0	
Pyrene	5847	59	2632	1471	166	45-125	0	SE
Surr: 2,4,6-Tribromophenol	2791	0	3291	0	84.8	34-140	0	
Surr: 2-Fluorobiphenyl	1997	0	3291	0	60.7	12-100	0	
Surr: 2-Fluorophenol	2156	0	3291	0	65.5	33-117	0	
Surr: 4-Terphenyl-d14	2081	0	3291	0	63.2	25-137	0	
Surr: Nitrobenzene-d5	2319	0	3291	0	70.5	37-107	0	
Surr: Phenol-d6	2328	0	3291	0	70.7	40-106	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204 Instrument ID SVMS5 Method: SW8270

MSD		Sample ID: 1105174-04A MSD				Units: µg/Kg		Analysis Date: 5/11/2011 11:19 AM		
Client ID:		Run ID: SVMS5_110510A				SeqNo: 1622744		Prep Date: 5/9/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2,4-Trichlorobenzene	1663	310	2567	0	64.8	45-110	1534	8.07	30	
1,2-Dichlorobenzene	1516	310	2567	0	59	45-95	1422	6.35	30	
1,3-Dichlorobenzene	1376	310	2567	0	53.6	40-100	1321	4.06	30	
1,4-Dichlorobenzene	1443	310	2567	0	56.2	35-105	1329	8.19	30	
2,4,5-Trichlorophenol	2258	310	2567	0	88	50-110	2204	2.43	30	
2,4,6-Trichlorophenol	2214	310	2567	0	86.2	45-110	2183	1.41	30	
2,4-Dichlorophenol	2090	310	2567	0	81.4	45-110	2010	3.91	30	
2,4-Dimethylphenol	1814	640	2567	0	70.7	30-105	1683	7.46	30	
2,4-Dinitrophenol	415.9	1,300	2567	0	16.2	15-130	625.9	0	30	J
2,4-Dinitrotoluene	2067	310	2567	0	80.5	50-115	2061	0.275	30	
2,6-Dinitrotoluene	2180	310	2567	0	84.9	50-110	2154	1.22	30	
2-Chloronaphthalene	1955	150	2567	0	76.1	45-105	1817	7.29	30	
2-Chlorophenol	1684	310	2567	0	65.6	45-105	1637	2.83	30	
2-Methylnaphthalene	1988	150	2567	9.926	77	45-105	1809	9.42	30	
2-Methylphenol	1903	310	2567	0	74.1	40-105	1777	6.83	30	
2-Nitroaniline	2476	1,300	2567	0	96.5	45-120	2436	1.66	30	
2-Nitrophenol	1801	310	2567	0	70.2	40-110	1768	1.84	30	
3-Nitroaniline	2447	1,300	2567	0	95.3	25-110	2351	3.98	30	
4-Bromophenyl phenyl ether	2128	310	2567	0	82.9	45-115	1906	11	30	
4-Chloro-3-methylphenol	2366	310	2567	0	92.2	45-115	2288	3.34	30	
4-Chloroaniline	7413	1,300	2567	0	289	15-110	6998	5.76	30	SE
4-Chlorophenyl phenyl ether	1930	310	2567	0	75.2	45-110	1770	8.64	30	
4-Methylphenol	2048	310	2567	0	79.8	40-105	1901	7.45	30	
4-Nitroaniline	1667	1,300	2567	0	64.9	35-150	1619	2.92	30	
4-Nitrophenol	2259	1,300	2567	0	88	15-140	2178	3.69	30	
Acenaphthene	2073	58	2567	31.43	79.5	45-110	1949	6.16	30	
Acenaphthylene	2190	58	2567	16.54	84.7	45-105	2013	8.45	30	
Anthracene	2399	58	2567	100.3	89.5	55-105	2359	1.71	30	
Benzo(a)anthracene	3363	58	2567	666.4	105	50-110	3552	5.48	30	
Benzo(a)pyrene	3566	58	2567	654.5	113	50-110	3721	4.26	30	S
Benzo(b)fluoranthene	3690	58	2567	759.4	114	45-115	3741	1.36	30	
Benzo(g,h,i)perylene	2051	58	2567	307.7	67.9	40-125	2599	23.5	30	
Benzo(k)fluoranthene	4774	58	2567	882.1	152	45-115	5017	4.95	30	SE
Bis(2-chloroethoxy)methane	1976	310	2567	0	77	45-110	1906	3.63	30	
Bis(2-chloroethyl)ether	1575	310	2567	0	61.4	40-105	1587	0.769	30	
Bis(2-chloroisopropyl)ether	1668	310	2567	0	65	20-115	1568	6.14	30	
Bis(2-ethylhexyl)phthalate	2036	640	2567	35.4	77.9	45-125	1915	6.12	30	
Butyl benzyl phthalate	1873	310	2567	0	73	50-125	1747	6.98	30	
Carbazole	4375	310	2567	0	170	50-150	4235	3.26	30	SE
Chrysene	3614	58	2567	770.9	111	55-110	3682	1.85	30	S
Dibenzo(a,h)anthracene	1939	58	2567	116.1	71	40-125	2195	12.4	30	
Dibenzofuran	2172	310	2567	14.89	84	50-105	2051	5.72	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33204	Instrument ID SVMS5		Method: SW8270						
Diethyl phthalate	2237	640	2567	0	87.1	50-115	2124	5.16	30
Dimethyl phthalate	2212	640	2567	212.4	77.9	50-110	2268	2.5	30
Di-n-butyl phthalate	1935	640	2567	75.77	72.4	55-110	1830	5.62	30
Di-n-octyl phthalate	2388	310	2567	63.2	90.5	40-130	2114	12.2	30
Fluoranthene	7003	58	2567	2204	187	55-115	8671	21.3	30 SE
Fluorene	2203	58	2567	45.66	84	50-110	2105	4.53	30
Hexachlorobenzene	2159	310	2567	0	84.1	45-120	1997	7.8	30
Hexachlorobutadiene	1578	310	2567	0	61.5	40-115	1443	8.95	30
Hexachlorocyclopentadiene	341.5	640	2567	0	13.3	40-115	485	0	30 JS
Hexachloroethane	1145	310	2567	0	44.6	35-110	1213	5.75	30
Indeno(1,2,3-cd)pyrene	2213	58	2567	274.6	75.5	40-120	2644	17.7	30
Isophorone	2061	310	2567	0	80.3	45-110	1953	5.37	30
Naphthalene	1794	58	2567	8.603	69.5	40-105	1629	9.62	30
Nitrobenzene	1842	310	2567	0	71.7	40-115	1744	5.44	30
N-Nitrosodi-n-propylamine	1974	310	2567	0	76.9	40-115	1874	5.2	30
N-Nitrosodiphenylamine	2284	310	2567	0	89	50-115	2458	7.35	30
Pentachlorophenol	2038	640	2567	0	79.4	25-120	1934	5.26	30
Phenanthrene	4218	58	2567	837.4	132	50-110	4681	10.4	30 SE
Phenol	1841	310	2567	0	71.7	40-100	1797	2.44	30
Pyrene	5017	58	2567	1471	138	45-125	5847	15.3	30 SE
Surr: 2,4,6-Tribromophenol	2815	0	3210	0	87.7	34-140	2791	0.866	40
Surr: 2-Fluorobiphenyl	2286	0	3210	0	71.2	12-100	1997	13.5	40
Surr: 2-Fluorophenol	2143	0	3210	0	66.8	33-117	2156	0.621	40
Surr: 4-Terphenyl-d14	2491	0	3210	0	77.6	25-137	2081	17.9	40
Surr: Nitrobenzene-d5	2337	0	3210	0	72.8	37-107	2319	0.77	40
Surr: Phenol-d6	2353	0	3210	0	73.3	40-106	2328	1.09	40

The following samples were analyzed in this batch: 1105150-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: R89919 Instrument ID VMS5 Method: SW8260

MBLK	Sample ID: VBLKW2-110510-R89919					Units: µg/L		Analysis Date: 5/11/2011 12:16 PM		
Client ID:	Run ID: VMS5_110510B				SeqNo: 1622018		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
m,p-Xylene	ND	2.0								
o-Xylene	ND	1.0								
Toluene	ND	1.0								
Xylenes, Total	ND	2.0								

LCS	Sample ID: VLCSW2-110510-R89919				Units: µg/L		Analysis Date: 5/10/2011 10:59 PM			
Client ID:	Run ID: VMS5_110510B				SeqNo: 1622016		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.67	1.0	20	0	113	80-120	0			
Ethylbenzene	22.42	1.0	20	0	112	75-125	0			
m,p-Xylene	42.21	2.0	40	0	106	75-130	0			
o-Xylene	21.2	1.0	20	0	106	80-120	0			
Toluene	21.6	1.0	20	0	108	75-120	0			
Ylenes, Total	63.41	2.0	60	0	106	75-130	0			

LCSD	Sample ID: VLCSDW2-110510-R89919					Units: µg/L		Analysis Date: 5/10/2011 11:25 PM		
Client ID:	Run ID: VMS5_110510B				SeqNo: 1622017		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.8	1.0	20	0	109	80-120	22.67	3.91	30	
Ethylbenzene	21.34	1.0	20	0	107	75-125	22.42	4.94	30	
m,p-Xylene	40.57	2.0	40	0	101	75-130	42.21	3.96	30	
o-Xylene	20.4	1.0	20	0	102	80-120	21.2	3.85	30	
Toluene	20.82	1.0	20	0	104	75-120	21.6	3.68	30	
Xylenes, Total	60.97	2.0	60	0	102	75-130	63.41	3.92	30	

MS	Sample ID: 1105174-04B MS				Units: µg/Kg			Analysis Date: 5/11/2011 08:21 AM		
Client ID:	Run ID: VMS5_110510B				SeqNo: 1622623		Prep Date:		DF: 118	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	2674	120	2360	0	113	75-125	0			
Ethylbenzene	2434	240	2360	0	103	75-125	0			
m,p-Xylene	4506	240	4720	0	95.5	80-125	0			
o-Xylene	2283	120	2360	0	96.8	75-125	0			
Toluene	2491	180	2360	0	106	70-125	0			
Xylenes, Total	6790	350	7080	0	95.9	75-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1105150
Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: **R89919** Instrument ID **VMS5** Method: **SW8260**

MSD	Sample ID: 1105174-04B MSD			Units: µg/Kg			Analysis Date: 5/11/2011 08:47 AM			
Client ID:	Run ID: VMS5_110510B			SeqNo: 1622624			Prep Date:		DF: 118	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	2657	120	2360	0	113	75-125	2674	0.62	30	
Ethylbenzene	2447	240	2360	0	104	75-125	2434	0.532	30	
m,p-Xylene	4515	240	4720	0	95.6	80-125	4506	0.183	30	
o-Xylene	2259	120	2360	0	95.7	75-125	2283	1.09	30	
Toluene	2493	180	2360	0	106	70-125	2491	0.0947	30	
Xylenes, Total	6773	350	7080	0	95.7	75-125	6790	0.244	30	

The following samples were analyzed in this batch:

1105150-01B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: 33240 Instrument ID WETCHEM Method: SW7196A

MBLK	Sample ID: MBLK-33240-33240					Units:mg/Kg		Analysis Date: 5/10/2011 04:00 PM		
Client ID:	Run ID: WETCHEM_110510H					SeqNo:1621803		Prep Date: 5/9/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	ND	0.49								

LCS	Sample ID: LCS-33240-33240					Units:mg/Kg		Analysis Date: 5/10/2011 04:00 PM		
Client ID:	Run ID: WETCHEM_110510H					SeqNo:1621804		Prep Date: 5/9/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.667	0.48	1.938		0	86	75-110	0		

LCSD	Sample ID: LCSD-33240-33240					Units:mg/Kg		Analysis Date: 5/10/2011 04:00 PM		
Client ID:	Run ID: WETCHEM_110510H					SeqNo:1621812		Prep Date: 5/9/2011		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.623	0.49	1.946	0	83.4	75-110	1.667	2.68	20	

MS	Sample ID: 1105084-01B MS					Units:mg/Kg		Analysis Date: 5/10/2011 04:00 PM		
Client ID:	Run ID: WETCHEM_110510H				SeqNo:1621807		Prep Date: 5/9/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.1	0.50	1.992	0	55.2	60-130	0			S

MSD	Sample ID: 1105084-01B MSD					Units:mg/Kg		Analysis Date: 5/10/2011 04:00 PM		
Client ID:	Run ID: WETCHEM_110510H				SeqNo:1621808		Prep Date: 5/9/2011		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium, Hexavalent	1.138	0.49	1.969	0	57.8	60-130	1.1	3.41	30	S

The following samples were analyzed in this batch:

1105150-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1105150
Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: R89791 Instrument ID WETCHEM Method: SW9040

DUP Sample ID: 1105145-01A DUP Units: s.u. Analysis Date: 5/6/2011 11:00 AM

Client ID: Run ID: WETCHEM_110506E SeqNo: 1618948 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.85	0	0	0	0	0-0	6.85	0	20	

DUP Sample ID: 1105149-05A DUP Units: s.u. Analysis Date: 5/6/2011 11:00 AM

Client ID: Run ID: WETCHEM_110506E SeqNo: 1618954 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.45	0	0	0	0	0-0	6.45	0	20	

The following samples were analyzed in this batch:

1105150-01A 1105150-05A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
 Work Order: 1105150
 Project: PDC Mesa 16 Background 5/4/11

QC BATCH REPORT

Batch ID: R89852 Instrument ID MOIST Method: A2540 G

MBLK	Sample ID: WBLKS1-R89852	Units: % of sample				Analysis Date: 5/6/2011 12:01 PM				
Client ID:		Run ID: MOIST_110506D		SeqNo: 1620089		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.050								

LCS	Sample ID: LCS-R89852	Units: % of sample				Analysis Date: 5/6/2011 12:01 PM				
Client ID:		Run ID: MOIST_110506D		SeqNo: 1620085		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.99	0.050	100		0	100	99.5-100.5	0		

DUP	Sample ID: 1105138-21A DUP	Units: % of sample				Analysis Date: 5/6/2011 12:01 PM				
Client ID:		Run ID: MOIST_110506D		SeqNo: 1620065		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	18.18	0.050	0		0	0	0-0	18.06	0.662	20

DUP	Sample ID: 1105150-01A DUP	Units: % of sample				Analysis Date: 5/6/2011 12:01 PM				
Client ID: Drill Cuttings		Run ID: MOIST_110506D		SeqNo: 1620079		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	36.15	0.050	0		0	0	0-0	35.4	2.1	20

The following samples were analyzed in this batch:

1105150-01A	1105150-02A	1105150-03A
1105150-04A	1105150-05A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Comments: 2.8 °C 	QC PACKAGE (check below)	
	x	LEVEL II (Standard QC)
		LEVEL III (Std QC + forms)
		LEVEL IV (Std QC + forms + raw data)
Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035		

**Subcontractor:**

A & L Great Lakes Agricultural Lab
3505 Conesoga Dr

TEL: (260) 483-4759

FAX:

Acct #:

Ft Wayne, IN 46808

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Date: 06-May-11

COC ID: 2910

Due Date 12-May-11

Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order	Project Name	Project Number	Subcontracted Analyses (SUBCONTRACT)													
Work Order			A	B	C	D	E	F	G	H	I	J				
Company Name	ALS Group USA, Corp	Bill To Company	B	C	D	E	F	G	H	I	J					
Send Report To	Ann Preston	Accounts Payable	D	E	F	G	H	I	J							
Address	3352 128th Avenue	Address	E	F	G	H	I	J								
City/State/Zip	Holland, Michigan 49424-9263	City/State/Zip	G	H	I	J										
Phone	(616) 399-6070	Phone	H	I	J											
Fax	(616) 399-6185	Fax	I	J												
eMail Address	ann.preston@alsglobal.com	eMail CC	J													
Sample ID		Matrix														
1105150-01C (Drill Cuttings)	Soil	Collection Date 24hr	A	B	C	D	E	F	G	H	I	J				
		4/May/2011 10:30	X													
1105150-05B (Background)	Soil	4/May/2011 11:05	X													
		(1) MISC														
		(1) 80ZGNEAT														

Comments:

Please run for SAR-EC

Relinquished by:

Date/Time

Received by:

Date/Time

Cooler IDs

Report/QC Level

Relinquished by:

Date/Time

Received by:

Date/Time

Cooler IDs

Report/QC Level

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: HRL

Date/Time Received: 06-May-11 10:00

Work Order: 1105150

Received by: KRW

Checklist completed by *Leith Warenga*
eSignature

06-May-11
Date

Reviewed by: *Ann Preston*
eSignature

13-May-11
Date

Matrices: Soil

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>2.8 C</u>		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: