

**HIP- \_\_\_\_\_ 121 \_\_\_\_\_**

**PERMITS,  
RENEWALS, &  
MODS**

**Jones, Brad A., EMNRD**

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**From:** White, James <JAGWHITE@eprod.com>  
**Sent:** Thursday, December 05, 2013 2:53 PM  
**To:** Jones, Brad A., EMNRD  
**Cc:** Theresa Ancell; Eileen L. Shannon (EShannon@kleinfelder.com); 'Leland "Luke" Davis (luke1d@msn.com)'; Bates, Ricky; Seale, Runell; White, James  
**Subject:** FW: Segment 2B\_Post Hydro Test Analytical  
**Attachments:** Segment\_2B\_Analytical Results\_11.27.2013.pdf

Brad,

Please find attached analyticals for hydrotest water in WEP III Segment 2B. Enterprise plans to haul this water to SWD as outlined in HIP-121, issued September 23, 2013.

Thanks,  
Jimmy

James G. "Jimmy" White  
713-381-1785 Direct  
713-392-2458 Mobile  
[jagwhite@eprod.com](mailto:jagwhite@eprod.com)

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**From:** Theresa Ancell [<mailto:tancell@hrlcomp.com>]  
**Sent:** Tuesday, December 03, 2013 10:01 AM  
**To:** White, James  
**Subject:** Segment 2B\_Post Hydro Test Analytical

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This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

November 27, 2013

Kay Lambert  
HRL Compliance Solutions  
2385 F 1/2 Road  
Grand Junction, CO 81505  
TEL: (970) 243-3271  
FAX

RE: WEP III Water Sampling

OrderNo.: 1311845

Dear Kay Lambert:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/19/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 1311845

Date Reported: 11/27/2013

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions

Client Sample ID: Seg 2B Post Test 2733

Project: WEP III Water Sampling

Collection Date: 11/19/2013 8:35:00 AM

Lab ID: 1311845-001

Matrix: AQUEOUS

Received Date: 11/19/2013 4:47:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8011/504.1: EDB</b>							Analyst: <b>LRW</b>
1,2-Dibromoethane	ND	0.010		µg/L	1	11/20/2013 6:59:03 PM	10438
<b>EPA METHOD 8082: PCB'S</b>							Analyst: <b>SCC</b>
Aroclor 1016	ND	1.0		µg/L	1	11/22/2013 11:21:14 PM	10456
Aroclor 1221	ND	1.0		µg/L	1	11/22/2013 11:21:14 PM	10456
Aroclor 1232	ND	1.0		µg/L	1	11/22/2013 11:21:14 PM	10456
Aroclor 1242	ND	1.0		µg/L	1	11/22/2013 11:21:14 PM	10456
Aroclor 1248	ND	1.0		µg/L	1	11/22/2013 11:21:14 PM	10456
Aroclor 1254	ND	1.0		µg/L	1	11/22/2013 11:21:14 PM	10456
Aroclor 1260	ND	1.0		µg/L	1	11/22/2013 11:21:14 PM	10456
Surr: Decachlorobiphenyl	118	17-123		%REC	1	11/22/2013 11:21:14 PM	10456
Surr: Tetrachloro-m-xylene	108	22.6-113		%REC	1	11/22/2013 11:21:14 PM	10456
<b>EPA METHOD 8310: PAHS</b>							Analyst: <b>SCC</b>
Naphthalene	ND	2.0		µg/L	1	11/23/2013 8:02:41 PM	10457
1-Methylnaphthalene	ND	2.0		µg/L	1	11/23/2013 8:02:41 PM	10457
2-Methylnaphthalene	ND	2.0		µg/L	1	11/23/2013 8:02:41 PM	10457
Acenaphthylene	ND	2.5		µg/L	1	11/23/2013 8:02:41 PM	10457
Acenaphthene	ND	5.0		µg/L	1	11/23/2013 8:02:41 PM	10457
Fluorene	ND	0.80		µg/L	1	11/23/2013 8:02:41 PM	10457
Phenanthrene	ND	0.60		µg/L	1	11/23/2013 8:02:41 PM	10457
Anthracene	ND	0.60		µg/L	1	11/23/2013 8:02:41 PM	10457
Fluoranthene	ND	0.30		µg/L	1	11/23/2013 8:02:41 PM	10457
Pyrene	ND	0.30		µg/L	1	11/23/2013 8:02:41 PM	10457
Benz(a)anthracene	ND	0.070		µg/L	1	11/23/2013 8:02:41 PM	10457
Chrysene	ND	0.20		µg/L	1	11/23/2013 8:02:41 PM	10457
Benzo(b)fluoranthene	ND	0.10		µg/L	1	11/23/2013 8:02:41 PM	10457
Benzo(k)fluoranthene	ND	0.070		µg/L	1	11/23/2013 8:02:41 PM	10457
Benzo(a)pyrene	ND	0.070		µg/L	1	11/23/2013 8:02:41 PM	10457
Dibenz(a,h)anthracene	ND	0.12		µg/L	1	11/23/2013 8:02:41 PM	10457
Benzo(g,h,i)perylene	ND	0.12		µg/L	1	11/23/2013 8:02:41 PM	10457
Indeno(1,2,3-cd)pyrene	ND	0.25		µg/L	1	11/23/2013 8:02:41 PM	10457
Surr: Benzo(e)pyrene	60.3	43.2-113		%REC	1	11/23/2013 8:02:41 PM	10457
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JRR</b>
Fluoride	ND	0.50		mg/L	5	11/20/2013 12:00:05 PM	R14967
Chloride	210	10		mg/L	20	11/20/2013 12:12:30 PM	R14967
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	11/20/2013 12:00:05 PM	R14967
Sulfate	120	2.5		mg/L	5	11/20/2013 12:00:05 PM	R14967
<b>EPA METHOD 200.7: DISSOLVED METALS</b>							Analyst: <b>JLF</b>

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1311845

Date Reported: 11/27/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions

Client Sample ID: Seg 2B Post Test 2733

Project: WEP III Water Sampling

Collection Date: 11/19/2013 8:35:00 AM

Lab ID: 1311845-001

Matrix: AQUEOUS

Received Date: 11/19/2013 4:47:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 200.7: DISSOLVED METALS</b>							Analyst: JLF
Aluminum	ND	0.020		mg/L	1	11/21/2013 12:14:03 PM	R14978
Barium	0.022	0.0020		mg/L	1	11/21/2013 12:14:03 PM	R14978
Boron	0.52	0.040		mg/L	1	11/22/2013 2:51:15 PM	R15016
Cadmium	ND	0.0020		mg/L	1	11/21/2013 12:14:03 PM	R14978
Chromium	ND	0.0060		mg/L	1	11/21/2013 12:14:03 PM	R14978
Cobalt	ND	0.0060		mg/L	1	11/21/2013 12:14:03 PM	R14978
Copper	ND	0.0060		mg/L	1	11/21/2013 12:14:03 PM	R14978
Iron	ND	0.020		mg/L	1	11/21/2013 12:14:03 PM	R14978
Manganese	0.55	0.0020	*	mg/L	1	11/22/2013 2:51:15 PM	R15016
Molybdenum	ND	0.0080		mg/L	1	11/21/2013 12:14:03 PM	R14978
Nickel	ND	0.010		mg/L	1	11/21/2013 12:14:03 PM	R14978
Silver	ND	0.0050		mg/L	1	11/21/2013 12:14:03 PM	R14978
Zinc	0.022	0.010		mg/L	1	11/22/2013 2:51:15 PM	R15016
<b>EPA 200.8: DISSOLVED METALS</b>							Analyst: DBD
Arsenic	ND	0.0010		mg/L	1	11/22/2013 12:59:12 PM	R15001
Lead	ND	0.0010		mg/L	1	11/22/2013 12:59:12 PM	R15001
Selenium	0.0027	0.0010		mg/L	1	11/22/2013 12:59:12 PM	R15001
Uranium	ND	0.0010		mg/L	1	11/22/2013 12:59:12 PM	R15001
<b>EPA METHOD 245.1: MERCURY</b>							Analyst: IDC
Mercury	ND	0.00020		mg/L	1	11/21/2013 11:27:43 AM	10450
<b>EPA METHOD 8260B: VOLATILES</b>							Analyst: DJF
Benzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Toluene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Ethylbenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Naphthalene	ND	2.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1-Methylnaphthalene	ND	4.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
2-Methylnaphthalene	ND	4.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Acetone	ND	10		µg/L	1	11/20/2013 6:19:58 PM	R14950
Bromobenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Bromodichloromethane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Bromoform	2.3	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Bromomethane	ND	3.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
2-Butanone	ND	10		µg/L	1	11/20/2013 6:19:58 PM	R14950

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2 for VOA and TOC only.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Analytical Report

Lab Order 1311845

Date Reported: 11/27/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions

Client Sample ID: Seg 2B Post Test 2733

Project: WEP III Water Sampling

Collection Date: 11/19/2013 8:35:00 AM

Lab ID: 1311845-001

Matrix: AQUEOUS

Received Date: 11/19/2013 4:47:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8260B: VOLATILES</b>							Analyst: DJF
Carbon disulfide	ND	10		µg/L	1	11/20/2013 6:19:58 PM	R14950
Carbon Tetrachloride	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Chlorobenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Chloroethane	ND	2.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Chloroform	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Chloromethane	ND	3.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
2-Chlorotoluene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
4-Chlorotoluene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
cis-1,2-DCE	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Dibromochloromethane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Dibromomethane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,1-Dichloroethane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,1-Dichloroethene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,2-Dichloropropane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,3-Dichloropropane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
2,2-Dichloropropane	ND	2.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,1-Dichloropropene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Hexachlorobutadiene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
2-Hexanone	ND	10		µg/L	1	11/20/2013 6:19:58 PM	R14950
Isopropylbenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
4-Isopropyltoluene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
4-Methyl-2-pentanone	ND	10		µg/L	1	11/20/2013 6:19:58 PM	R14950
Methylene Chloride	ND	3.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
n-Butylbenzene	ND	3.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
n-Propylbenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
sec-Butylbenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Styrene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
tert-Butylbenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
trans-1,2-DCE	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2 for VOA and TOC only.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Analytical Report

Lab Order 1311845

Date Reported: 11/27/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HRL Compliance Solutions

Client Sample ID: Seg 2B Post Test 2733

Project: WEP III Water Sampling

Collection Date: 11/19/2013 8:35:00 AM

Lab ID: 1311845-001

Matrix: AQUEOUS

Received Date: 11/19/2013 4:47:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8260B: VOLATILES</b>							Analyst: DJF
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Trichlorofluoromethane	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Vinyl chloride	ND	1.0		µg/L	1	11/20/2013 6:19:58 PM	R14950
Xylenes, Total	ND	1.5		µg/L	1	11/20/2013 6:19:58 PM	R14950
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	11/20/2013 6:19:58 PM	R14950
Surr: 4-Bromofluorobenzene	98.3	70-130		%REC	1	11/20/2013 6:19:58 PM	R14950
Surr: Dibromofluoromethane	102	70-130		%REC	1	11/20/2013 6:19:58 PM	R14950
Surr: Toluene-d8	99.4	70-130		%REC	1	11/20/2013 6:19:58 PM	R14950
<b>TOTAL PHENOLICS BY SW-846 9067</b>							Analyst: SCC
Phenolics, Total Recoverable	ND	2.5		µg/L	1	11/25/2013	10499
<b>SM4500-H+B: PH</b>							Analyst: SRM
pH	7.89	1.68	H	pH units	1	11/20/2013 8:38:41 PM	R14946
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: KS
Total Dissolved Solids	626	40.0	*	mg/L	1	11/26/2013 4:36:00 PM	10511

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2 for VOA and TOC only.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

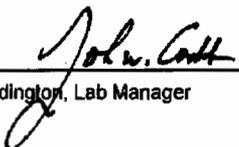
**Client:** HALL ENVIRONMENTAL ANALYSIS LAB      **Batch #:** 131121014  
**Address:** 4901 HAWKINS NE SUITE D      **Project Name:** 1311845  
ALBUQUERQUE, NM 87109  
**Attn:** ANDY FREEMAN

## Analytical Results Report

**Sample Number:** 131121014-001      **Sampling Date:** 11/19/2013      **Date/Time Received:** 11/21/2013 10:50 AM  
**Client Sample ID:** 1311845-0011 / SEG 2B POST TEST 2733      **Sampling Time:** 8:35 AM  
**Matrix:** Water      **Sample Location:**  
**Comments:**

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	11/25/2013	ETL	EPA 335.4	

Authorized Signature

  
\_\_\_\_\_  
John Coddington, Lab Manager

MCL    EPA's Maximum Contaminant Level  
ND     Not Detected  
PQL    Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.  
The results reported relate only to the samples indicated.  
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845

27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 200.7: Dissolved Metals</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R14978</b>	RunNo: <b>14978</b>								
Prep Date:	Analysis Date: <b>11/21/2013</b>	SeqNo: <b>432290</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum	ND	0.020								
Barium	ND	0.0020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Cobalt	ND	0.0060								
Copper	ND	0.0060								
Iron	ND	0.020								
Molybdenum	ND	0.0080								
Nickel	ND	0.010								
Silver	ND	0.0050								

Sample ID <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 200.7: Dissolved Metals</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R14978</b>	RunNo: <b>14978</b>								
Prep Date:	Analysis Date: <b>11/21/2013</b>	SeqNo: <b>432291</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum	0.54	0.020	0.5000	0	108	85	115			
Barium	0.50	0.0020	0.5000	0	101	85	115			
Cadmium	0.50	0.0020	0.5000	0	100	85	115			
Chromium	0.50	0.0060	0.5000	0	99.6	85	115			
Cobalt	0.50	0.0060	0.5000	0	99.6	85	115			
Copper	0.49	0.0060	0.5000	0	97.5	85	115			
Iron	0.53	0.020	0.5000	0	107	85	115			
Molybdenum	0.51	0.0080	0.5000	0	103	85	115			
Nickel	0.49	0.010	0.5000	0	98.0	85	115			
Silver	0.10	0.0050	0.1000	0	100	85	115			

Sample ID <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 200.7: Dissolved Metals</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R14978</b>	RunNo: <b>14978</b>								
Prep Date:	Analysis Date: <b>11/21/2013</b>	SeqNo: <b>432292</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Aluminum	ND	0.020								
Barium	ND	0.0020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								
Cobalt	ND	0.0060								
Copper	ND	0.0060								
Iron	ND	0.020								
Molybdenum	ND	0.0080								

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845  
27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID <b>MB</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 200.7: Dissolved Metals</b>							
Client ID: <b>PBW</b>	Batch ID: <b>R14978</b>		RunNo: <b>14978</b>							
Prep Date:	Analysis Date: <b>11/21/2013</b>		SeqNo: <b>432292</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nickel	ND	0.010								
Silver	ND	0.0050								

Sample ID <b>LCS</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 200.7: Dissolved Metals</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R14978</b>		RunNo: <b>14978</b>							
Prep Date:	Analysis Date: <b>11/21/2013</b>		SeqNo: <b>432293</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aluminum	0.54	0.020	0.5000	0	108	85	115			
Barium	0.51	0.0020	0.5000	0	102	85	115			
Cadmium	0.51	0.0020	0.5000	0	102	85	115			
Chromium	0.51	0.0060	0.5000	0	102	85	115			
Cobalt	0.50	0.0060	0.5000	0	101	85	115			
Copper	0.49	0.0060	0.5000	0	98.1	85	115			
Iron	0.54	0.020	0.5000	0	107	85	115			
Molybdenum	0.52	0.0080	0.5000	0	105	85	115			
Nickel	0.50	0.010	0.5000	0	100	85	115			
Silver	0.10	0.0050	0.1000	0	101	85	115			

Sample ID <b>MB</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 200.7: Dissolved Metals</b>							
Client ID: <b>PBW</b>	Batch ID: <b>R15016</b>		RunNo: <b>15016</b>							
Prep Date:	Analysis Date: <b>11/22/2013</b>		SeqNo: <b>433546</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	ND	0.040								
Manganese	ND	0.0020								
Zinc	ND	0.010								

Sample ID <b>LCS</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 200.7: Dissolved Metals</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R15016</b>		RunNo: <b>15016</b>							
Prep Date:	Analysis Date: <b>11/22/2013</b>		SeqNo: <b>433547</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Boron	0.52	0.040	0.5000	0	103	85	115			
Manganese	0.47	0.0020	0.5000	0	93.0	85	115			
Zinc	0.48	0.010	0.5000	0	96.6	85	115			

**Qualifiers:**

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845

27-Nov-13

**Client:** HRL Compliance Solutions

**Project:** WEP III Water Sampling

Sample ID	<b>LCS</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA 200.8: Dissolved Metals</b>					
Client ID:	<b>LCSW</b>	Batch ID:	<b>R15001</b>	RunNo:	<b>15001</b>					
Prep Date:		Analysis Date:	<b>11/22/2013</b>	SeqNo:	<b>433077</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.0010	0.02500	0	98.6	85	115			
Lead	0.025	0.0010	0.02500	0	101	85	115			
Selenium	0.025	0.0010	0.02500	0	99.0	85	115			
Uranium	0.026	0.0010	0.02500	0	102	85	115			

Sample ID	<b>LCS-RR</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA 200.8: Dissolved Metals</b>					
Client ID:	<b>LCSW</b>	Batch ID:	<b>R15001</b>	RunNo:	<b>15001</b>					
Prep Date:		Analysis Date:	<b>11/22/2013</b>	SeqNo:	<b>433078</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.0010	0.02500	0	98.9	85	115			
Lead	0.026	0.0010	0.02500	0	104	85	115			
Selenium	0.026	0.0010	0.02500	0	102	85	115			
Uranium	0.027	0.0010	0.02500	0	107	85	115			

Sample ID	<b>MB</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA 200.8: Dissolved Metals</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>R15001</b>	RunNo:	<b>15001</b>					
Prep Date:		Analysis Date:	<b>11/22/2013</b>	SeqNo:	<b>433080</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Lead	ND	0.0010								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

Sample ID	<b>MB-RR</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA 200.8: Dissolved Metals</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>R15001</b>	RunNo:	<b>15001</b>					
Prep Date:		Analysis Date:	<b>11/22/2013</b>	SeqNo:	<b>433081</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Lead	ND	0.0010								
Selenium	ND	0.0010								
Uranium	ND	0.0010								

**Qualifiers:**

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845  
27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID	<b>MB-10450</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 245.1: Mercury</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>10450</b>	RunNo:	<b>14976</b>					
Prep Date:	<b>11/20/2013</b>	Analysis Date:	<b>11/21/2013</b>	SeqNo:	<b>432159</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID	<b>LCS-10450</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 245.1: Mercury</b>					
Client ID:	<b>LCSW</b>	Batch ID:	<b>10450</b>	RunNo:	<b>14976</b>					
Prep Date:	<b>11/20/2013</b>	Analysis Date:	<b>11/21/2013</b>	SeqNo:	<b>432160</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0050	0.00020	0.005000	0	100	80	120			

Sample ID	<b>1311845-001FMS</b>	SampType:	<b>ms</b>	TestCode:	<b>EPA Method 245.1: Mercury</b>					
Client ID:	<b>Seg 2B Post Test 27</b>	Batch ID:	<b>10450</b>	RunNo:	<b>14976</b>					
Prep Date:	<b>11/20/2013</b>	Analysis Date:	<b>11/21/2013</b>	SeqNo:	<b>432162</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0049	0.00020	0.005000	0	98.0	75	125			

Sample ID	<b>1311845-001FMSD</b>	SampType:	<b>msd</b>	TestCode:	<b>EPA Method 245.1: Mercury</b>					
Client ID:	<b>Seg 2B Post Test 27</b>	Batch ID:	<b>10450</b>	RunNo:	<b>14976</b>					
Prep Date:	<b>11/20/2013</b>	Analysis Date:	<b>11/21/2013</b>	SeqNo:	<b>432163</b>	Units:	<b>mg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0050	0.00020	0.005000	0	99.2	75	125	1.27	20	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845  
27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID <b>A5</b>	SampType: <b>CCV_5</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>	RunNo: <b>14967</b>								
Prep Date:	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431875</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.10	1.600	0	98.9	90	110			
Chloride	7.7	0.50	8.000	0	96.6	90	110			
Nitrogen, Nitrate (As N)	4.9	0.10	4.800	0	102	90	110			
Sulfate	20	0.50	20.00	0	98.4	90	110			

Sample ID <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R14967</b>	RunNo: <b>14967</b>								
Prep Date:	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431877</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								

Sample ID <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R14967</b>	RunNo: <b>14967</b>								
Prep Date:	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431878</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.46	0.10	0.5000	0	91.9	90	110			
Chloride	4.8	0.50	5.000	0	96.2	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	100	90	110			
Sulfate	9.6	0.50	10.00	0	96.2	90	110			

Sample ID <b>A6</b>	SampType: <b>CCV_6</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>	RunNo: <b>14967</b>								
Prep Date:	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431888</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.4	0.10	2.400	0	101	90	110			
Chloride	12	0.50	12.00	0	100	90	110			
Nitrogen, Nitrate (As N)	7.7	0.10	7.200	0	107	90	110			
Sulfate	31	0.50	30.00	0	102	90	110			

Sample ID <b>A4</b>	SampType: <b>CCV_4</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>	RunNo: <b>14967</b>								
Prep Date:	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431905</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845  
27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID <b>A4</b>	SampType: <b>CCV_4</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>		RunNo: <b>14967</b>							
Prep Date:	Analysis Date: <b>11/20/2013</b>		SeqNo: <b>431905</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.96	0.10	1.000	0	95.6	90	110			
Chloride	4.6	0.50	5.000	0	92.3	90	110			
Nitrogen, Nitrate (As N)	2.9	0.10	3.000	0	97.1	90	110			
Sulfate	12	0.50	12.50	0	94.3	90	110			

Sample ID <b>A5</b>	SampType: <b>CCV_5</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>		RunNo: <b>14967</b>							
Prep Date:	Analysis Date: <b>11/20/2013</b>		SeqNo: <b>431928</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.10	1.600	0	98.1	90	110			
Chloride	7.7	0.50	8.000	0	96.7	90	110			
Nitrogen, Nitrate (As N)	4.9	0.10	4.800	0	102	90	110			
Sulfate	20	0.50	20.00	0	98.1	90	110			

Sample ID <b>A6</b>	SampType: <b>CCV_6</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>		RunNo: <b>14967</b>							
Prep Date:	Analysis Date: <b>11/20/2013</b>		SeqNo: <b>431940</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.4	0.10	2.400	0	98.7	90	110			
Chloride	12	0.50	12.00	0	100	90	110			
Nitrogen, Nitrate (As N)	7.7	0.10	7.200	0	107	90	110			
Sulfate	30	0.50	30.00	0	101	90	110			

Sample ID <b>A4</b>	SampType: <b>CCV_4</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>		RunNo: <b>14967</b>							
Prep Date:	Analysis Date: <b>11/20/2013</b>		SeqNo: <b>431953</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.97	0.10	1.000	0	97.3	90	110			
Chloride	4.6	0.50	5.000	0	92.8	90	110			
Nitrogen, Nitrate (As N)	2.9	0.10	3.000	0	97.5	90	110			
Sulfate	12	0.50	12.50	0	94.1	90	110			

Sample ID <b>A5</b>	SampType: <b>CCV_5</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>		RunNo: <b>14967</b>							
Prep Date:	Analysis Date: <b>11/20/2013</b>		SeqNo: <b>431966</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845

27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID <b>A5</b>	SampType: <b>CCV_5</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>	RunNo: <b>14967</b>								
Prep Date:	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431966</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	1.6	0.10	1.600	0	98.9	90	110			
Chloride	7.8	0.50	8.000	0	97.0	90	110			
Nitrogen, Nitrate (As N)	4.9	0.10	4.800	0	103	90	110			
Sulfate	20	0.50	20.00	0	98.6	90	110			

Sample ID <b>A6</b>	SampType: <b>CCV_6</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>R14967</b>	RunNo: <b>14967</b>								
Prep Date:	Analysis Date: <b>11/21/2013</b>	SeqNo: <b>431976</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	2.4	0.10	2.400	0	100	90	110			
Chloride	12	0.50	12.00	0	100	90	110			
Nitrogen, Nitrate (As N)	7.7	0.10	7.200	0	107	90	110			
Sulfate	30	0.50	30.00	0	102	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845  
27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID <b>MB-10438</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8011/504.1: EDB</b>								
Client ID: <b>PBW</b>	Batch ID: <b>10438</b>	RunNo: <b>14934</b>								
Prep Date: <b>11/20/2013</b>	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431645</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.010								

Sample ID <b>LCS-10438</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8011/504.1: EDB</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>10438</b>	RunNo: <b>14934</b>								
Prep Date: <b>11/20/2013</b>	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431646</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.099	0.010	0.1000	0	99.0	70	130			

**Qualifiers:**

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- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845

27-Nov-13

**Client:** HRL Compliance Solutions

**Project:** WEP III Water Sampling

Sample ID: <b>MB-10456</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8082: PCB's</b>								
Client ID: <b>PBW</b>	Batch ID: <b>10456</b>	RunNo: <b>15003</b>								
Prep Date: <b>11/21/2013</b>	Analysis Date: <b>11/22/2013</b>	SeqNo: <b>433101</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Surr: Decachlorobiphenyl	1.9		2.500		77.6	17	123			
Surr: Tetrachloro-m-xylene	1.8		2.500		72.8	22.6	113			

Sample ID: <b>LCS-10456</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8082: PCB's</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>10456</b>	RunNo: <b>15003</b>								
Prep Date: <b>11/21/2013</b>	Analysis Date: <b>11/22/2013</b>	SeqNo: <b>433103</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	3.0	1.0	5.000	0	60.2	18.6	134			
Aroclor 1260	3.6	1.0	5.000	0	71.0	35.7	137			
Surr: Decachlorobiphenyl	3.0		2.500		119	17	123			
Surr: Tetrachloro-m-xylene	2.8		2.500		114	22.6	113			S

**Qualifiers:**

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- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
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- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845

27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID: <b>5ml rb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260B: VOLATILES</b>
Client ID: <b>PBW</b>	Batch ID: <b>R14950</b>	RunNo: <b>14950</b>
Prep Date:	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431470</b> Units: <b>µg/L</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								
4-Chlorotoluene	ND	1.0								
cis-1,2-DCE	ND	1.0								
cis-1,3-Dichloropropene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	2.0								
Dibromochloromethane	ND	1.0								
Dibromomethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
Dichlorodifluoromethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3-Dichloropropane	ND	1.0								
2,2-Dichloropropane	ND	2.0								

**Qualifiers:**

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- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845

27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID: <b>5ml rb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260B: VOLATILES</b>
Client ID: <b>PBW</b>	Batch ID: <b>R14950</b>	RunNo: <b>14950</b>
Prep Date:	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431470</b> Units: <b>µg/L</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	1.0								
Hexachlorobutadiene	ND	1.0								
2-Hexanone	ND	10								
Isopropylbenzene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	10								
Methylene Chloride	ND	3.0								
n-Butylbenzene	ND	3.0								
n-Propylbenzene	ND	1.0								
sec-Butylbenzene	ND	1.0								
Styrene	ND	1.0								
tert-Butylbenzene	ND	1.0								
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	2.0								
Tetrachloroethene (PCE)	ND	1.0								
trans-1,2-DCE	ND	1.0								
trans-1,3-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
Trichloroethene (TCE)	ND	1.0								
Trichlorofluoromethane	ND	1.0								
1,2,3-Trichloropropane	ND	2.0								
Vinyl chloride	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.9		10.00		99.4	70	130			
Surr: 4-Bromofluorobenzene	9.7		10.00		97.3	70	130			
Surr: Dibromofluoromethane	9.8		10.00		98.1	70	130			
Surr: Toluene-d8	10		10.00		105	70	130			

Sample ID: <b>100ng lcs,200ngaca</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8260B: VOLATILES</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R14950</b>	RunNo: <b>14950</b>
Prep Date:	Analysis Date: <b>11/20/2013</b>	SeqNo: <b>431473</b> Units: <b>µg/L</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	70	130			
Toluene	22	1.0	20.00	0	109	82.2	124			
Chlorobenzene	20	1.0	20.00	0	99.0	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845

27-Nov-13

**Client:** HRL Compliance Solutions

**Project:** WEP III Water Sampling

Sample ID	100ng Ics,200ngaca		SampType: LCS	TestCode: EPA Method 8260B: VOLATILES						
Client ID:	LCSW		Batch ID: R14950	RunNo: 14950						
Prep Date:			Analysis Date: 11/20/2013	SeqNo: 431473	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	24	1.0	20.00	0	122	83.5	155			
Trichloroethene (TCE)	19	1.0	20.00	0	97.4	70	130			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.3	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.5	70	130			
Surr: Dibromofluoromethane	8.6		10.00		85.8	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

Sample ID	1311845-001ams		SampType: MS	TestCode: EPA Method 8260B: VOLATILES						
Client ID:	Seg 2B Post Test 27		Batch ID: R14950	RunNo: 14950						
Prep Date:			Analysis Date: 11/20/2013	SeqNo: 431476	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	67.9	137			
Toluene	20	1.0	20.00	0.6100	97.6	77	127			
Chlorobenzene	19	1.0	20.00	0	92.5	70	130			
1,1-Dichloroethene	23	1.0	20.00	0	117	66.5	131			
Trichloroethene (TCE)	19	1.0	20.00	0	95.1	66.3	134			
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.4	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.4	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.3	70	130			
Surr: Toluene-d8	9.7		10.00		97.4	70	130			

Sample ID	1311845-001amsd		SampType: MSD	TestCode: EPA Method 8260B: VOLATILES						
Client ID:	Seg 2B Post Test 27		Batch ID: R14950	RunNo: 14950						
Prep Date:			Analysis Date: 11/20/2013	SeqNo: 431477	Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	98.2	67.9	137	4.25	20	
Toluene	20	1.0	20.00	0.6100	95.7	77	127	1.90	20	
Chlorobenzene	18	1.0	20.00	0	87.6	70	130	5.48	20	
1,1-Dichloroethene	23	1.0	20.00	0	114	66.5	131	2.34	20	
Trichloroethene (TCE)	18	1.0	20.00	0	88.2	66.3	134	7.47	20	
Surr: 1,2-Dichloroethane-d4	10		10.00		100	70	130	0	0	
Surr: 4-Bromofluorobenzene	9.3		10.00		93.3	70	130	0	0	
Surr: Dibromofluoromethane	9.1		10.00		91.0	70	130	0	0	
Surr: Toluene-d8	10		10.00		101	70	130	0	0	

**Qualifiers:**

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- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1311845

27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID <b>MB-10457</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8310: PAHs</b>							
Client ID: <b>PBW</b>	Batch ID: <b>10457</b>		RunNo: <b>15004</b>							
Prep Date: <b>11/21/2013</b>	Analysis Date: <b>11/23/2013</b>		SeqNo: <b>433282</b>				Units: <b>µg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	2.0								
2-Methylnaphthalene	ND	2.0								
Acenaphthylene	ND	2.5								
Acenaphthene	ND	5.0								
Fluorene	ND	0.80								
Phenanthrene	ND	0.60								
Anthracene	ND	0.60								
Fluoranthene	ND	0.30								
Pyrene	ND	0.30								
Benz(a)anthracene	ND	0.070								
Chrysene	ND	0.20								
Benzo(b)fluoranthene	ND	0.10								
Benzo(k)fluoranthene	ND	0.070								
Benzo(a)pyrene	ND	0.070								
Dibenz(a,h)anthracene	ND	0.12								
Benzo(g,h,i)perylene	ND	0.12								
Indeno(1,2,3-cd)pyrene	ND	0.25								
Surr: Benzo(e)pyrene	21		20.00		106	43.2	113			

Sample ID <b>LCS-10457</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8310: PAHs</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>10457</b>		RunNo: <b>15004</b>							
Prep Date: <b>11/21/2013</b>	Analysis Date: <b>11/23/2013</b>		SeqNo: <b>433284</b>				Units: <b>µg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	65	2.0	80.00	0	80.9	50.3	86.5			
1-Methylnaphthalene	56	2.0	80.20	0	70.2	50.3	91.6			
2-Methylnaphthalene	52	2.0	80.00	0	64.7	48.2	94.9			
Acenaphthylene	71	2.5	80.20	0	88.8	53.2	93.7			
Acenaphthene	56	5.0	80.00	0	69.4	51.6	95.9			
Fluorene	6.0	0.80	8.020	0	75.4	31.9	97.4			
Phenanthrene	3.5	0.60	4.020	0	87.1	52.7	90.3			
Anthracene	3.4	0.60	4.020	0	84.6	49.9	88.1			
Fluoranthene	6.6	0.30	8.020	0	82.0	51.4	94.4			
Pyrene	6.6	0.30	8.020	0	82.0	47.7	89.5			
Benz(a)anthracene	0.68	0.070	0.8020	0	84.8	34.2	108			
Chrysene	3.2	0.20	4.020	0	80.6	32.9	96.8			
Benzo(b)fluoranthene	0.70	0.10	1.002	0	69.9	55.9	103			
Benzo(k)fluoranthene	0.44	0.070	0.5000	0	88.0	57.9	108			

**Qualifiers:**

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- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

**QC SUMMARY REPORT**  
**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1311845  
 27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID: <b>LCS-10457</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8310: PAHs</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>10457</b>	RunNo: <b>15004</b>								
Prep Date: <b>11/21/2013</b>	Analysis Date: <b>11/23/2013</b>	SeqNo: <b>433284</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.42	0.070	0.5020	0	83.7	55.6	107			
Dibenz(a,h)anthracene	0.87	0.12	1.002	0	86.8	57.9	104			
Benzo(g,h,i)perylene	0.80	0.12	1.000	0	80.0	57.2	105			
Indeno(1,2,3-cd)pyrene	1.9	0.25	2.004	0	93.3	53.5	102			
Surr: Benzo(e)pyrene	21		20.00		107	43.2	113			

**Qualifiers:**

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- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
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**QC SUMMARY REPORT**  
**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1311845  
 27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID <b>MB-10499</b>	SampType: <b>MBLK</b>	TestCode: <b>Total Phenolics by SW-846 9067</b>								
Client ID: <b>PBW</b>	Batch ID: <b>10499</b>	RunNo: <b>15019</b>								
Prep Date: <b>11/25/2013</b>	Analysis Date: <b>11/25/2013</b>	SeqNo: <b>433652</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	2.5								

Sample ID <b>LCS-10499</b>	SampType: <b>LCS</b>	TestCode: <b>Total Phenolics by SW-846 9067</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>10499</b>	RunNo: <b>15019</b>								
Prep Date: <b>11/25/2013</b>	Analysis Date: <b>11/25/2013</b>	SeqNo: <b>433653</b>	Units: <b>µg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	19	2.5	20.00	0	93.3	74.1	125			

**Qualifiers:**

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- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

**QC SUMMARY REPORT**  
**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1311845  
 27-Nov-13

**Client:** HRL Compliance Solutions  
**Project:** WEP III Water Sampling

Sample ID <b>MB-10511</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>10511</b>	RunNo: <b>15090</b>								
Prep Date: <b>11/25/2013</b>	Analysis Date: <b>11/26/2013</b>	SeqNo: <b>435343</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID <b>LCS-10511</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>10511</b>	RunNo: <b>15090</b>								
Prep Date: <b>11/25/2013</b>	Analysis Date: <b>11/26/2013</b>	SeqNo: <b>435344</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

**Qualifiers:**

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- B Analyte detected in the associated Method Blank
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Hall Environmental Analysis Laboratory  
 4901 Hawkins NE  
 Albuquerque, NM 87105  
 TEL: 505-345-3975 FAX: 505-345-4107  
 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: HRL COMPLIANCE SOL

Work Order Number: 1311845

RcptNo: 1

Received by/date:	AG	11/19/13	
Logged By:	Lindsay Mangin	11/19/2013 4:47:00 PM	<i>[Signature]</i>
Completed By:	Lindsay Mangin	11/20/2013 8:53:37 AM	<i>[Signature]</i>
Reviewed By:	IO	11/20/2013	

**Chain of Custody**

- Custody seals intact on sample bottles? Yes  No  Not Present
- Is Chain of Custody complete? Yes  No  Not Present
- How was the sample delivered? Client

**Log In**

- Was an attempt made to cool the samples? Yes  No  NA
- Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA   
Samples were collected the same day and chilled.
- Sample(s) in proper container(s)? Yes  No
- Sufficient sample volume for indicated test(s)? Yes  No
- Are samples (except VOA and ONG) properly preserved? Yes  No
- Was preservative added to bottles? Yes  No  NA
- VOA vials have zero headspace? Yes  No  No VOA Vials
- Were any sample containers received broken? Yes  No
- Does paperwork match bottle labels? Yes  No   
 (Note discrepancies on chain of custody)
- Are matrices correctly identified on Chain of Custody? Yes  No
- Is it clear what analyses were requested? Yes  No
- Were all holding times able to be met? Yes  No   
 (If no, notify customer for authorization.)

# of preserved bottles checked for pH: 4/1  
 (<2 or >2 unless noted)  
 Adjusted? \_\_\_\_\_  
 Checked by: mg

**Special Handling (if applicable)**

- Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

**18. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	8.4	Good	Not Present			

# Chain-of-Custody Record

Client: HRL Compliance Solutions Inc

Mailing Address: 2385 F 1/2 Rd

Grand Junction CO 81635

Phone #: 970.421-5440

email or Fax#: fancell@hrlcomp.com

QA/QC Package:  Level 4 (Full Validation)

Standard  Other

Accreditation  NELAP  Other

EDD (Type)

Turn-Around Time:

Standard  Rush

Project Name: Enterprise WEP III

Water Sampling

Project #: 13-110.2

Project Manager:

Kay Lambert

Sampler: Gunnar Westerman

Office:  Yes  No

Sample Temperature: 8 C

Container Type and #

Various

Preservative Type

See Container - DD

Date Time Matrix

11/19/13 8:35 SW

11/19/13 8:35 SW

HEAL No.

131815

Various

# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

BTEX + MTBE + TMB's (8021)	
BTEX + MTBE + TPH (Gas only)	
TPH 8015B (GRO / DRO / MRO)	
TPH (Method 418.1)	
EDB (Method 504.1)	
PAH's (8310 or 8270 SIMS)	
RCRA 8 Metals	
Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	
8081 Pesticides / 8082 PCB's	
8260B (VOA)	
8270 (Semi-VOA)	
WQCC List	<input checked="" type="checkbox"/>
w/o lead	
Air Bubbles (Y or N)	

Date: 11/19/13 Time: 16:48

Relinquished by: R. Sam...

Date: 11/19/13 Time: 16:47

Relinquished by: Shiley Mat...

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

State of New Mexico  
Energy, Minerals and Natural Resources Department

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**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary-Designate

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**Jami Bailey, Division Director**  
Oil Conservation Division



September 23, 2013

Ms. Shiver Nolan  
Enterprise Products Operating LLC  
PO Box 4324  
Houston, Texas 79701

**Re: Hydrostatic Test Discharge Permit**  
**Permit: HIP-121**  
**Enterprise Products Operating, LLC**  
**Western Expansion Pipeline III, Segment 2B**  
**Locations: Ojo Del Espiritu Santo Land Grant**  
**Sandoval County, New Mexico**

Dear Ms. Nolan:

The Oil Conservation Division (OCD) has received Enterprise Products Operating LLC's (Enterprise) notice of intent, dated July 22, 2013, and a revised submittal dated August 5, 2013, for authorization to discharge approximately 260,000 gallons of wastewater generated from a hydrostatic test of two new 16-inch natural gas gathering system transmission pipelines, approximately 11.4 miles long, located approximately 30 miles northwest of San Ysidro, New Mexico. The proposed discharge/collection /retention location is within Enterprise's pipeline easement right-of-way located in the Ojo Del Espiritu Santo Land Grant at Latitude 35.633833°; Longitude -107.025963° (approximately 2.25 miles southwest of the southwest corner of Township 16 North, Range 1 West, NMPM, Sandoval County, New Mexico). OCD acknowledges the receipt of the filing fee (\$100.00) and the permit fee (\$600.00) for the permit from a submittal dated July 22, 2013.

Based on the information provided in the request, the hydrostatic test water discharge is hereby approved with the following understandings and conditions:

1. Enterprise shall comply with all applicable requirements of the New Mexico Water Quality Control Commission Regulations (20.6.2 NMAC), the Oil and Gas Act (Chapter 70, Article 2 NMSA 1978), and all conditions specified in this approval and shall operate and close the project in accordance with the July 22, 2013 request;
2. Enterprise will be testing two new 16-inch natural gas gathering system transmission pipelines, approximately 11.4 miles or 60,192 feet long, located approximately 30 miles northwest of San Ysidro, New Mexico;
3. Enterprise will acquire the hydrostatic test water from the Homestake Well located at Latitude 35.571789°; Longitude -107.204811°;

4. Enterprise will generate approximately 260,000 gallons of hydrostatic test wastewater from the test event. The hydrostatic wastewater will remain in the pipeline while being sampled and awaiting test results from a certified laboratory;
5. Enterprise shall analyze all samples of wastewater generated from the hydrostatic test to demonstrate the results do not exceed the standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC, except for Combined Radium 226 & Radium 228 due to pre-test results;
6. Enterprise shall submit the test results via email or fax to the OCD for review and subsequent approval or disapproval for the test wastewater to be discharged;
7. If the final discharge of the wastewater is approved by the OCD, Enterprise will discharge the wastewater into a dewatering structure, constructed of non-woven geotextile and hay bales, to control erosion and contain the discharge within Enterprise's pipeline easement right-of-way located in the Ojo Del Espiritu Santo Land Grant at Latitude 35.633833°; Longitude - 107.025963° (approximately 2.25 miles southwest of the southwest corner of Township 16 North, Range 1 West, NMPM, Sandoval County, New Mexico);
8. If final discharge of the wastewater is approved, no hydrostatic wastewater generated will be discharged to groundwater;
9. If final discharge of the wastewater is approved, no discharge shall occur:
  - a. within 200 feet of a watercourse, lakebed, sinkhole or playa lake;
  - b. within an existing wellhead protection area;
  - c. within, or within 500 feet of a wetland;
  - d. within an area overlaying a subsurface mine; or
  - e. within 500 feet from the nearest permanent residence, school, hospital, institution or church;
10. If the final discharge of the wastewater is not approved by the OCD, Enterprise will transfer the wastewater, via a system of flexible hoses and pump, from the pipeline into water trucks and hauled by Dawn Trucking, Co. (C-133-31), M&R Trucking, Inc. (C-133-399), Three Rivers Trucking, Inc. (C-133-335), or Triple S Trucking, Co. (C-133-372) for injection and disposal at Basin Disposal, Inc.'s Class II injection well (API 30-045-26862/IPI-149-0) or Agua Moss LLC's Non-Hazardous Class I injection well (UICI-005);
11. Enterprise will have personnel on-site to oversee and control the transfer and utilize collection pans placed below the collection points to prevent an unauthorized release;
12. Enterprise will not be analyzing the hydrostatic test wastewater prior to off-site disposal because of the following: the wastewater has been demonstrated to be RCRA exempt waste and the proposal is to transfer the wastewater to Basin Disposal, Inc.'s Class II injection well (API 30-045-26862/IPI-149-0) or Agua Moss LLC's Non-Hazardous Class I injection well (UICI-005) for injection and disposal;
13. Enterprise will ensure the transfer the hydrostatic test wastewater via an OCD approved C-133 water hauler to Basin Disposal, Inc.'s Class II injection well (API 30-045-26862/IPI-149-0) or Agua Moss LLC's Non-Hazardous Class I injection well (UICI-005) for injection and disposal;

14. Enterprise shall remove all hydrostatic test wastewater from the collection/retention location within ten (10) calendar days of the completion of the hydrostatic test;
15. Enterprise shall restore any surface area impacted or disturb from the approved activities;
16. Enterprise shall implement best management practices to prevent unauthorized releases during the transfer/collection activities;
17. Enterprise shall ensure that the discharge/transfer/collection activities do not cause any fresh water supplies to be degraded or to exceed standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC (the New Mexico Water Quality Control Commission Regulations);
18. Enterprise must properly notify the landowner(s) of the proposed discharge/collection location of the approved activities prior to the hydrostatic test event; and
19. Enterprise shall report all unauthorized discharges, spills, leaks and releases of hydrostatic test water and conduct corrective action pursuant to OCD Rule 29 (19.15.29 NMAC).

It is understood that the hydrostatic test will begin approximately September 10, 2013. This permit will expire within 120 calendar days of its issue date. This permit may be revoked or suspended for violation of any applicable provisions and/or conditions.

Please be advised that approval of this request does not relieve Enterprise of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve Enterprise of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or [brad.a.jones@state.nm.us](mailto:brad.a.jones@state.nm.us).

Sincerely,



Brad A. Jones  
Environmental Engineer

BAJ/baj

Cc: OCD District III Office, Aztec  
Mr. James White, Enterprise Products Operating, LLC, Houston, TX 77210-4324  
Ms. Runell Seale, Enterprise Products Operating, LLC, Farmington, NM 87401