REGION 1 LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION Sb

PROJ NO.	LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
	31010	as is		1		< 1.0	2.0		2U
	31011	↓		↓		↓	↓		↓

31010 + 50ug/l Sb = $\frac{50-0}{50}$ = 100% recovery.

WP-007 #3 Stated value 55ug/l; found 55ug/l = 100%
WP-007 #4 " " 22 " " 22 " = 100%

00000197

PARAMETER CODE 01097

DATE RECEIVED 8/4/82 ANALYZED 8-6-82

LOCATION (b) (6) [redacted] Well

SEND DATA TO Roy Jones C220-LG10

AUG 10 1982

METHOD AA-furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE R. Lup

REVIEWED BY

USEPA SF
1503983

053055

REGION 1 LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION As

PROJ. NO. LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
31010	as is		1		< 1.0	2.0		2U
31011	↓		↓		↓	↓		↓

31010 + 50 ug/l As = $\frac{50-0}{50}$ = 100% recovery.

PARAMETER CODE 01002

DATE RECEIVED 8/4/82 ANALYZED 8-5-82

LOCATION (b) (6) [redacted] Well

SEND DATA TO Roy Jones C220-LG10

P.P.

AUG 1982

METHOD AA-furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE R. Cup. PAA

REVIEWED BY

[illegible] LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION Be

[illegible] LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
31010	42 ml		1		< 1.0	.125		.1 U
31011	↓		↓		↓	↓		↓

[illegible] 1010 + 5 ug/l Be = $\frac{5-0}{5}$ = 100% recovery

SRS #1 Stated value 24 ug/l; found 22 ug/l = 92%
WP-007 #2 " " 22.5 " " 21.5 " = 96%

PARAMETER CODE 01012

DATE RECEIVED 8/4/82 ANALYZED 8-10-82

LOCATION (b) (6) [redacted] Well

SEND DATA TO Roy Jones C220-LG10

AUG 1 4 1982

METHOD AA - furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE R. [illegible] PWR

REVIEWED BY

REGION X LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION Cd

LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
31010	as is		1		<1.0	0.1		.1 U
31011	↓		↓		<1.0	↓		.1 U

31010 + 2.5 ug/l Cd = $\frac{2.5-0}{2.5}$ = 100% recovery

PARAMETER CODE 01027

DATE RECEIVED 8/4/82 ANALYZED 8-6-82

LOCATION (b) (6) [redacted] Well

SEND DATA TO Roy Jones C220-LG10

P.P.

AUG 10 1982

METHOD AA - furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE R. [illegible]

REVIEWED BY [illegible]

REGION 7 LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION Cr

PROC. NO.	LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
	310 10	as is		1		1.0	1.25		1.3
	310 11	↓		↓		<1.0	↓		1.0

310 10 + 15 ug/l = $\frac{16.5 - 1}{15}$ = 103 % recovery

PARAMETER CODE 01034

DATE RECEIVED 8/4/82 ANALYZED 8-9-82

LOCATION (b) (6) well

SEND DATA TO Roy Jones C220-LG10

AUG 10 1982

METHOD AA - furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE A. Puga

REVIEWED BY

LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION Cu

LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
3/0/0	as is		1		6.0	.75		4.5
3/0/1	↓		↓		2.0	↓		1.5

3/0/0 + 15 ug/l Cu = $\frac{19.7 - 4.5}{15}$ = 101 % recovery.

PARAMETER CODE 01042

DATE RECEIVED 8/4/82 ANALYZED 8-11-82

LOCATION (b) (6) well

SEND DATA TO Roy Jones C220-LG10

METHOD AA-furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE [signature]

REVIEWED BY

REGION Y LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION Pb

PROJ. NO.	LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
	31010	as is		1		1.5	1.0		1.5
	31011	↓		↓		<1.0	↓		1.0

31010 + 20 ug/l Pb = $\frac{21.2 - 1.5}{20}$ = 99% recovery

PARAMETER CODE 01051

AUG 10 1982

METHOD AA - furnace

DATE RECEIVED 8/4/82 ANALYZED 8-9-89

REFERENCE E.P.A.

LOCATION (b) (6) [redacted] Well

CHEMIST'S SIGNATURE R. Cup

SEND DATA TO Roy Jones C220-LG10

REVIEWED BY PHR

REGION X LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION Ni

PROJ NO	LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.	ug/liter
	3/0/0	as is		1		4.0	.85	3.4
	3/0/1	↓		↓		< 1.0	↓	0.8 U

3/0/0 + 15 ug/l Ni = $\frac{19.5 - 3.4}{15}$ = 108 % recovery

WP-007 #1 stated value 150 ug/l; found 158 ug/l = 105 %
WP-007 #2 " " 15 " " 17 " = 113 %

PARAMETER CODE 01067

DATE RECEIVED 8/4/82 ANALYZED 8-10-82

LOCATION (b) (6) well

SEND DATA TO Roy Jones C220-LG10

METHOD AA - furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE [illegible]

REVIEWED BY

REGION 7 LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION Se

LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
3/0/0	as is		1		< 1.0	2.5		20
3/0/1	↓		↓		↓	↓		↓

3/0/0 + 50 ug/l Se = $\frac{50-0}{50}$ = 100% recovery

SRS #2 stated value 48 ug/l; found 46 ug/l = 96%

PARAMETER CODE 01147

DATE RECEIVED 8/4/82 ANALYZED 8-6-82

LOCATION (b) (6) redacted well

SEND DATA TO Roy Jones C220-LG10

AUG 2 0 1982

METHOD AA- furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE R. Lup.

REVIEWED BY

REGION 1 LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION ~~[illegible]~~ Ag

LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
31010	[illegible]		1		< 1.0	.25		.25 U
31011	↓		↓		↓	↓		↓

31010 + 5 ug/l Ag = $\frac{5-0}{5}$ = 100% recovery

WP-007 #3 Stated value 1.3 ug/l; found 1.3 ug/l = 100%
WP-007 #4 " " 7.4 " " 6.5 " = 88%

PARAMETER CODE 01077

DATE RECEIVED 8/4/82 ANALYZED 8-10-82

LOCATION (b) (6) [redacted] Well

SEND DATA TO Roy Jones C220-LG10

METHOD AA - furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE R. [illegible]

REVIEWED BY [illegible]

REGION X LABORATORY

METAL DATA-AA-HGA 2100 (WATER)

DETERMINATION Tl

PROJ NO	LAB NO.	VOL OF SAMPLE	VOL OF CONC.	CONC. FACTOR	DILUTION FACTOR	CHART DIVISIONS	ug/l/chart div.		ug/liter
	31010	as is		1		<1.0	1.0		1U
	31011	↓		↓		↓	↓		↓

31010 + 25 ug/l Tl = $\frac{25-0}{25}$ = 100% recovery

WP-007 #3 Stated value 29 ug/l; found 30 ug/l = 104%
WP-007 #4 " " 5.8 " " 6.0 " = 103%

PARAMETER CODE 01059

DATE RECEIVED 8/4/82 ANALYZED 8-6-82

LOCATION (b) (6) [redacted] Well

SEND DATA TO Ron Jones C220-LG10

AUG 1 0 1982

METHOD AA - furnace

REFERENCE E.P.A.

CHEMIST'S SIGNATURE R. Cap. PAR

REVIEWED BY

REGION X LABORATORY

METAL DATA-AA

DETERMINATION Zn

	PROJ NO	LAB NO.	SAMPLE VOL.	CONC. VOL.	CONC. FACTOR	DILUTION FACTOR	DILUTION	CONC.	ug/l
1		31010	as is		1			.130	130
2		31011	↓		↓			<005	50
3									
4									
5									
6									
7									
8									
9									
10									
11									
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17									
18									
19									
20									
21									
22									
23									

PARAMETER CODE 01092

DATE RECEIVED 8/4/82 ANALYZED 8-12-82

LOCATION (b) (6) [redacted] Well

SEND DATA TO Roy Jones

C220-LG10

METHOD [illegible]

REFERENCE [illegible]

CHEMISTRY [illegible] R. [illegible]

[illegible] [illegible]

REGION X LABORATORY GENERAL PURPOSE DATA SHEET DETERMINATION Cu

	PROJ NO	LAB NO	PK HT			ANSWER mg/l
1		31010	1.5			.008
2		31011	<1.0			.005 U
3						
4						
5						
6		31010	1.5			
7		31010 + .10 mg/l	21.5	: .108 mg/l		
8						
9					% Recovery = (.108 - .008) / .100 × 100 = 101%	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						

PARAMETER CODE 00720

DATE RECEIVED 8/4/82 ANALYZED 8/6/82

LOCATION (b) (6) Well - Spokane

SEND DATA TO Roy Jones C220 LG10

STD .10 mg/l PK HT = 40.

METHOD AA II

REFERENCE Technicon

CHEMIST'S SIGNATURE [illegible]

REVIEWED BY [illegible]

REGION X LABORATORY GENERAL PURPOSE DATA SHEET DETERMINATION Phenol

PROJ NO	LAB NO	PK Ht			ANSWER ug/l
	31010	<1.0			5U
	31011	<1.0			5U
	31010	<1.0			
	31010 + 100 ug/l	19.5	= 97.5 ug/l		

% recovery = $\frac{97.5 - 0.00}{100} \times 100 = 97.5\%$

PARAMETER CODE ~~00~~ 32730

DATE RECEIVED 8/4/82 ANALYZED 8/6/82

LOCATION (b) (6) [redacted] Well - Spokane

SEND DATA TO Roy Jones C220-L610

AUG 1 8 1982

METHOD Pk II

REFERENCE EPA Manual

CHEMIST'S SIGNATURE [signature]

REVIEWED BY [signature]

Std 200 ug/l PK Ht = 40.