Mountain States ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

07/02/10

Technical Report for

KRW Consulting, Inc.

296-7A

1006-11

Accutest Job Number: D14576

Sampling Date: 06/21/10

Report to:

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Total number of pages in report: **100**

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Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Jesse L. Smith
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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Accutest Laboratories

Sample Summary

KRW Consulting, Inc.

Job No: D14576

296-7A
Project No: 1006-11

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D14576-1	06/21/10	11:20	DK	06/24/10	SO	Soil	296-7AV1
D14576-2	06/21/10	11:45	DK	06/24/10	SO	Soil	296-7A-V2
D14576-3	06/21/10	12:30	DK	06/24/10	SO	Soil	296-7A-V3
D14576-4	06/21/10	12:55	DK	06/24/10	SO	Soil	296-7A-V4
D14576-5	06/21/10	13:05	DK	06/24/10	SO	Soil	296-7A-V5
D14576-6	06/21/10	13:25	DK	06/24/10	SO	Soil	296-7A-V6
D14576-7	06/21/10	13:50	DK	06/24/10	SO	Soil	296-7A-V7
D14576-8	06/21/10	14:05	DK	06/24/10	SO	Soil	296-7A-V8
D14576-9	06/21/10	14:12	DK	06/24/10	SO	Soil	296-7A-V9
D14576-10	06/21/10	14:33	DK	06/24/10	SO	Soil	296-7A-V10
D14576-11	06/21/10	14:12	DK	06/24/10	SO	Soil	296-7A-V11

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	KRW Consulting, Inc.	**Job No**	D14576
Site:	296-7A	**Report Dat**	7/2/2010 4:38:34 PM

On 06/24/2010, 11 sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 12.7 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D14576 was assigned to the project. The lab sample IDs, client sample IDs, and dates of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method SW846 8015B

Matrix SO **Batch ID:** GGA432

- All samples were analyzed within the recommended method holding time.
- Sample(s) D14576-2MS, D14576-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- D14576-2, D14576-8, D14576-9, D14576-2MS, and D14576-2MSD for 1,2,4 Trichlorobenzene: Outside control limits due to matrix interference.

Matrix SO **Batch ID:** GGB298

- All samples were analyzed within the recommended method holding time.
- Sample(s) D14576-1MS, D14576-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- D14576-1, D14576-5 through D14576-7, D14576-1MS, D14576-1MSD for 1,2,4 Trichlorobenzene: Outside control limits due to matrix interference.
- GGB298-BS for 1,2,4-Trichlorobenzene: Outside control limits. TPH-GRO recovery within control limits.

Volatiles by GC By Method SW846 8021B

Matrix SO **Batch ID:** GTA432

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D14576-2MS, D14576-2MSD were used as the QC samples indicated.
- D14576-2, D14576-8, D14576-9 , D14576-2MS, D14576-2MSD for 1,2,4-Trichlorobenzene: Outside control limits due to matrix interference.

Matrix SO **Batch ID:** GTB298

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D14576-1MS, D14576-1MSD were used as the QC samples indicated.
- D14576-1 for 1,2,4-Trichlorobenzene: Outside control limits due to matrix interference.

Extractables by GC By Method SW846-8015B

Matrix	SO	Batch ID:	OP2081

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D14576-1MS, D14576-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix	AQ	Batch ID:	MP2175

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D14576-3MS, D14576-3MSD were used as the QC samples for metals.

Matrix	AQ	Batch ID:	MP2205

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D14576-5MS, D14576-5MSD were used as the QC samples for metals.

Wet Chemistry By Method LADNR29B

Matrix	SO	Batch ID:	R2944

- The data for LADNR29B meets quality control requirements.
- Sodium Adsorption Ratio: Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+(Mg meq/L)/2]

Wet Chemistry By Method SM19 2540B M

Matrix	SO	Batch ID:	GN5075

- The data for SM19 2540B M meets quality control requirements.

Wet Chemistry By Method SW846 9045C

Matrix	SO	Batch ID:	GN5033

- The following samples were run outside of holding time for method SW846 9045C: D14576-1 through D14576-10.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	296-7AV1		
Lab Sample ID:	D14576-1	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	94.4
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB5450.D	1	07/01/10	DG	n/a	n/a	GGB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5.05	1.1	1.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	188% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7AV1		
Lab Sample ID:	D14576-1	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	94.4
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TB5450.D	1	07/01/10	DG	n/a	n/a	GTB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.3	5.3	ug/kg	
108-88-3	Toluene	ND	11	11	ug/kg	
100-41-4	Ethylbenzene	ND	11	11	ug/kg	
	m,p-Xylene	41.9	11	11	ug/kg	
95-47-6	o-Xylene	15.6	11	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	157% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7AV1		
Lab Sample ID:	D14576-1	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	94.4
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE2989.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	684	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7AV1		
Lab Sample ID:	D14576-1	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	94.4
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	19.8	2.0	mg/l	1	06/25/10	06/25/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	7.48	1.0	mg/l	1	06/25/10	06/25/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	29.3	2.0	mg/l	1	06/25/10	06/25/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA776
(2) Prep QC Batch: MP2175

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7AV1		
Lab Sample ID:	D14576-1	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	94.4
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.42		ratio	1	06/25/10 23:49	JM	LADNR29B
Solids, Percent	94.4		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	296	1.0	umhos/cm	1	06/25/10	CJ	DEPT.OF AG, BOOK N9
pH	9.51		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V2		
Lab Sample ID:	D14576-2	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	94.5
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA7305.D	1	07/01/10	DG	n/a	n/a	GGA432
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	60.1	22	22	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	170% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V2		
Lab Sample ID:	D14576-2	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	94.5
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA7305.D	1	07/01/10	DG	n/a	n/a	GTA432
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	10.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	110	110	ug/kg	
108-88-3	Toluene	305	220	220	ug/kg	
100-41-4	Ethylbenzene	ND	220	220	ug/kg	
	m,p-Xylene	839	220	220	ug/kg	
95-47-6	o-Xylene	262	220	220	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	160% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V2		
Lab Sample ID:	D14576-2	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	94.5
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE2992.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	1150	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V2		
Lab Sample ID:	D14576-2	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	94.5
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	39.5	2.0	mg/l	1	06/25/10	06/25/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	17.7	1.0	mg/l	1	06/25/10	06/25/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	67.7	2.0	mg/l	1	06/25/10	06/25/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA776
(2) Prep QC Batch: MP2175

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V2		
Lab Sample ID:	D14576-2	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	94.5
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.25		ratio	1	06/25/10 23:55	JM	LADNR29B
Solids, Percent	94.5		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	659	1.0	umhos/cm	1	06/25/10	CJ	DEPT.OF AG, BOOK N9
pH	9.32		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V3		
Lab Sample ID:	D14576-3	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	94.9
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB5453.D	1	07/01/10	DG	n/a	n/a	GGB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.1	1.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	112%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V3		
Lab Sample ID:	D14576-3	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	94.9
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TB5453.D	1	07/01/10	DG	n/a	n/a	GTB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.3	5.3	ug/kg	
108-88-3	Toluene	ND	11	11	ug/kg	
100-41-4	Ethylbenzene	ND	11	11	ug/kg	
	m,p-Xylene	ND	11	11	ug/kg	
95-47-6	o-Xylene	ND	11	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	113%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V3		
Lab Sample ID:	D14576-3	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	94.9
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE2993.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	30.1	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V3		
Lab Sample ID:	D14576-3	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	94.9
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	77.0	2.0	mg/l	1	06/25/10	06/25/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	30.1	1.0	mg/l	1	06/25/10	06/25/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	93.2	2.0	mg/l	1	06/25/10	06/25/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA776
(2) Prep QC Batch: MP2175

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V3		
Lab Sample ID:	D14576-3	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	94.9
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.28		ratio	1	06/25/10 22:27	JM	LADNR29B
Solids, Percent	94.9		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	1040	1.0	umhos/cm	1	06/25/10	CJ	DEPT.OF AG, BOOK N9
pH	9.28		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V4		
Lab Sample ID:	D14576-4	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	95.0
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB5454.D	1	07/01/10	DG	n/a	n/a	GGB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.1	1.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	115%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V4		
Lab Sample ID:	D14576-4	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	95.0
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TB5454.D	1	07/01/10	DG	n/a	n/a	GTB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.3	5.3	ug/kg	
108-88-3	Toluene	ND	11	11	ug/kg	
100-41-4	Ethylbenzene	ND	11	11	ug/kg	
	m,p-Xylene	ND	11	11	ug/kg	
95-47-6	o-Xylene	ND	11	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	116%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V4		
Lab Sample ID:	D14576-4	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	95.0
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE2994.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	88.7	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V4		
Lab Sample ID:	D14576-4	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	95.0
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	60.3	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	26.5	1.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	79.5	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA787
(2) Prep QC Batch: MP2205

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V4		
Lab Sample ID:	D14576-4	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	95.0
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.15		ratio	1	06/29/10 12:24	JM	LADNR29B
Solids, Percent	95		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	894	1.0	umhos/cm	1	06/25/10	CJ	DEPT.OF AG, BOOK N9
pH	8.96		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V5		
Lab Sample ID:	D14576-5	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	95.1
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB5455.D	1	07/01/10	DG	n/a	n/a	GGB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.88	1.1	1.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	174% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V5		
Lab Sample ID:	D14576-5	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	95.1
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TB5455.D	1	07/01/10	DG	n/a	n/a	GTB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.3	5.3	ug/kg	
108-88-3	Toluene	ND	11	11	ug/kg	
100-41-4	Ethylbenzene	ND	11	11	ug/kg	
	m,p-Xylene	14.6	11	11	ug/kg	
95-47-6	o-Xylene	ND	11	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	138%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V5		
Lab Sample ID:	D14576-5	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	95.1
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE2995.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	1370	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V5		
Lab Sample ID:	D14576-5	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	95.1
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	26.3	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	10.4	1.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	45.4	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA787
(2) Prep QC Batch: MP2205

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V5		
Lab Sample ID:	D14576-5	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	95.1
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.90		ratio	1	06/29/10 11:27	JM	LADNR29B
Solids, Percent	95.1		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	420	1.0	umhos/cm	1	06/25/10	CJ	DEPT.OF AG, BOOK N9
pH	9.13		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V6		
Lab Sample ID:	D14576-6	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	95.3
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB5458.D	1	07/01/10	DG	n/a	n/a	GGB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.0	1.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	141% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V6		
Lab Sample ID:	D14576-6	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	95.3
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TB5458.D	1	07/01/10	DG	n/a	n/a	GTB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.2	5.2	ug/kg	
108-88-3	Toluene	ND	10	10	ug/kg	
100-41-4	Ethylbenzene	ND	10	10	ug/kg	
	m,p-Xylene	ND	10	10	ug/kg	
95-47-6	o-Xylene	ND	10	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	123%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V6		
Lab Sample ID:	D14576-6	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	95.3
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE2996.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	316	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V6		
Lab Sample ID:	D14576-6	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	95.3
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method	Prep Method
Calcium	48.1	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	19.0	1.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	72.4	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA787
(2) Prep QC Batch: MP2205

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V6		
Lab Sample ID:	D14576-6	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	95.3
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.24		ratio	1	06/29/10 12:30	JM	LADNR29B
Solids, Percent	95.3		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	604	1.0	umhos/cm	1	06/30/10	JD	DEPT.OF AG, BOOK N9
pH	9.03		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V7		
Lab Sample ID:	D14576-7	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	90.9
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB5459.D	1	07/01/10	DG	n/a	n/a	GGB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.1	1.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	161% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V7		
Lab Sample ID:	D14576-7	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	90.9
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TB5459.D	1	07/01/10	DG	n/a	n/a	GTB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.5	5.5	ug/kg	
108-88-3	Toluene	ND	11	11	ug/kg	
100-41-4	Ethylbenzene	ND	11	11	ug/kg	
	m,p-Xylene	ND	11	11	ug/kg	
95-47-6	o-Xylene	ND	11	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	129%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V7		
Lab Sample ID:	D14576-7	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	90.9
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE2998.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	231	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V7		
Lab Sample ID:	D14576-7	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	90.9
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	40.6	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	12.2	1.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	86.0	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA787
(2) Prep QC Batch: MP2205

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V7		
Lab Sample ID:	D14576-7	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	90.9
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	3.04		ratio	1	06/29/10 12:37	JM	LADNR29B
Solids, Percent	90.9		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	607	1.0	umhos/cm	1	06/30/10	JD	DEPT.OF AG, BOOK N9
pH	9.19		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V8		
Lab Sample ID:	D14576-8	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	90.0
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA7308.D	1	07/01/10	DG	n/a	n/a	GGA432
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	183	23	23	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	295% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V8		
Lab Sample ID:	D14576-8	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	90.0
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA7308.D	1	07/01/10	DG	n/a	n/a	GTA432
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	10.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	120	120	ug/kg	
108-88-3	Toluene	278	230	230	ug/kg	
100-41-4	Ethylbenzene	ND	230	230	ug/kg	
	m,p-Xylene	2220	230	230	ug/kg	
95-47-6	o-Xylene	973	230	230	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	195% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V8		
Lab Sample ID:	D14576-8	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	90.0
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE3021.D	10	06/29/10	CP	06/28/10	OP2081	GFE189
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	2820	150	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V8		
Lab Sample ID:	D14576-8	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	90.0
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	70.3	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	21.2	1.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	78.9	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA787
(2) Prep QC Batch: MP2205

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V8		
Lab Sample ID:	D14576-8	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	90.0
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.12		ratio	1	06/29/10 12:43	JM	LADNR29B
Solids, Percent	90		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	806	1.0	umhos/cm	1	06/30/10	JD	DEPT.OF AG, BOOK N9
pH	9.05		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V9		
Lab Sample ID:	D14576-9	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	93.4
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA7309.D	1	07/01/10	DG	n/a	n/a	GGA432
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	89.8	22	22	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	192% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V9		
Lab Sample ID:	D14576-9	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	93.4
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TA7309.D	1	07/01/10	DG	n/a	n/a	GTA432
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	10.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	110	110	ug/kg	
108-88-3	Toluene	334	220	220	ug/kg	
100-41-4	Ethylbenzene	ND	220	220	ug/kg	
	m,p-Xylene	1250	220	220	ug/kg	
95-47-6	o-Xylene	421	220	220	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	166% [a]		60-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V9		
Lab Sample ID:	D14576-9	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	93.4
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE3000.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	2520	36	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V9		
Lab Sample ID:	D14576-9	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	93.4
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	37.5	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	14.8	1.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	21.5	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA787
(2) Prep QC Batch: MP2205

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V9		
Lab Sample ID:	D14576-9	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	93.4
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.752		ratio	1	06/29/10 12:49	JM	LADNR29B
Solids, Percent	93.4		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	338	1.0	umhos/cm	1	06/30/10	JD	DEPT.OF AG, BOOK N9
pH	8.95		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V10		
Lab Sample ID:	D14576-10	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	88.0
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB5460.D	1	07/01/10	DG	n/a	n/a	GGB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.1	1.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	121%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V10		
Lab Sample ID:	D14576-10	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	88.0
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TB5460.D	1	07/01/10	DG	n/a	n/a	GTB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.7	5.7	ug/kg	
108-88-3	Toluene	ND	11	11	ug/kg	
100-41-4	Ethylbenzene	ND	11	11	ug/kg	
	m,p-Xylene	ND	11	11	ug/kg	
95-47-6	o-Xylene	ND	11	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	111%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V10		
Lab Sample ID:	D14576-10	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	88.0
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE3001.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	15.3	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V10		
Lab Sample ID:	D14576-10	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	88.0
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method	Prep Method
Calcium	22.6	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	5.96	1.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	45.3	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA787
(2) Prep QC Batch: MP2205

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V10		
Lab Sample ID:	D14576-10	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	88.0
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.19		ratio	1	06/29/10 13:04	JM	LADNR29B
Solids, Percent	88		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	325	1.0	umhos/cm	1	06/30/10	JD	DEPT.OF AG, BOOK N9
pH	9.23		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V11		
Lab Sample ID:	D14576-11	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8015B	**Percent Solids:**	86.6
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB5461.D	1	07/02/10	DG	n/a	n/a	GGB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.2	1.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V11		
Lab Sample ID:	D14576-11	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846 8021B	**Percent Solids:**	86.6
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	TB5461.D	1	07/02/10	DG	n/a	n/a	GTB298
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.8	5.8	ug/kg	
108-88-3	Toluene	ND	12	12	ug/kg	
100-41-4	Ethylbenzene	ND	12	12	ug/kg	
	m,p-Xylene	ND	12	12	ug/kg	
95-47-6	o-Xylene	ND	12	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	94%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V11		
Lab Sample ID:	D14576-11	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
Method:	SW846-8015B SW846 3550B	**Percent Solids:**	86.6
Project:	296-7A		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FE3002.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	284	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		63-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	296-7A-V11		
Lab Sample ID:	D14576-11	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	86.6
Project:	296-7A		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	19.9	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Magnesium	6.29	1.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]
Sodium	39.8	2.0	mg/l	1	06/28/10	06/29/10	JM	SW846 6010B [1]	EPA 200.7 [2]

(1) Instrument QC Batch: MA787
(2) Prep QC Batch: MP2205

RL = Reporting Limit

Report of Analysis

Client Sample ID:	296-7A-V11		
Lab Sample ID:	D14576-11	**Date Sampled:**	06/21/10
Matrix:	SO - Soil	**Date Received:**	06/24/10
		Percent Solids:	86.6
Project:	296-7A		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.99		ratio	1	06/29/10 13:20	JM	LADNR29B
Solids, Percent	86.6		%	1	06/28/10	JD	SM19 2540B M
Specific Conductivity	265	1.0	umhos/cm	1	06/30/10	JD	DEPT.OF AG, BOOK N9
pH	9.28		su	1	06/24/10 13:00	CJ	SW846 9045C

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

4036 Youngfield Street, Wheat Ridge, Colorado 80033
TEL. 303-425-6021; 877-737-4521 FAX: 303-425-6854
www.accutest.com

D14576 PAGE ___ OF ___

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job #

Client / Reporting Information

Company Name: KRW Consulting Inc.
Street Address: 8000 W. 14th Ave Ste 200
City State Zip: Lakewood, Co. 80214
Project Contact: Joe Hess | E-mail:
Phone #: 303 239 9011 | Fax #: 303 239-0745
Sampler(s) Name(s): Duayne Knudson

Project Information

Project Name: 296-7A V
Street:
City State:
Project #: 1006-11
Client Purchase Order #:
Project Manager: Joe Hess

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet): BTEX; TPH-GRO; EB 9H, 5AK; TPH-DRO

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
1	296-7A-V1		6-21-10	1120	DK	SO	3									01
2	296-7A-V2		↓	1145	↓	↓	↓									02
3	296-7A-V3			1230												03
4	296-7A-V4			1255												04
5	296-7A-V5			1305												05
6	296-7A-V6			1325												06
7	296-7A-V7			1350												07
8	296-7A-V8			1405												08
9	296-7A-V9			1432												09
10	296-7A-V10			1433												10
11	296-7A-V11		↓	1412	↓	↓	↓									11

Turnaround Time (Business days)

- ☐ Std. 10 Business Days
- ☐ UST Analysis 3-5 Days
- ☐ 6 - 9 Day *RUSH*
- ☒ 3 - 5 Day *RUSH*
- ☐ 2 Day *EMERGENCY*
- ☐ 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- ☐ Level 1
- ☐ Level 2
- ☐ Level 3
- ☐ Level 4
- ☐ PDF
- ☐ EDD Format
- ☐ Other

Level 1 = Results Only
Level 2 = Results + QC Summary + Case Narrative
Level 3 = Results + QC Summary + Partial Raw data
Level 4 = Full Deliverable

Comments / Special Instructions

E-Mail: Jhess@krwconsulting.com
Dknudson@krwconsulting.com
Gknell@krwconsulting.com

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Duayne Knudson	6-23-10 1400	1	2 6-23-10	6-24-10 0940	2 Parkard 6-24-10
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4 9:45
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # ☒ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☒ Cooler Temp. 12.7

D14576: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D14576 **Client:** KRW **Immediate Client Services Action Required:** No

Date / Time Received: 6/24/2010 9:45:00 AM **No. Coolers:** 1 **Client Service Action Required at Login:** No

Project: 296-7AV **Airbill #'s:** hd

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☑
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	
2. Trip Blank listed on COC:	☐		☐	
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume rec'd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:(303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www/accutest.com

D14576: Chain of Custody
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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA432-MB	GA7279.D	1	06/30/10	DG	n/a	n/a	GGA432

The QC reported here applies to the following samples: **Method:** SW846 8015B

D14576-2, D14576-8, D14576-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	20	20	mg/kg	

CAS No.	Surrogate Recoveries		Limits
120-82-1	1,2,4-Trichlorobenzene	97%	60-140%

Method Blank Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB298-MB	GB5448.D	1	07/01/10	DG	n/a	n/a	GGB298

The QC reported here applies to the following samples: **Method:** SW846 8015B

D14576-1, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-10, D14576-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.0	1.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
120-82-1	1,2,4-Trichlorobenzene	104%	60-140%

Method Blank Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GTA432-MB	TA7279.D	1	06/30/10	DG	n/a	n/a	GTA432

The QC reported here applies to the following samples: **Method:** SW846 8021B

D14576-2, D14576-8, D14576-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	100	ug/kg	
100-41-4	Ethylbenzene	ND	200	200	ug/kg	
108-88-3	Toluene	ND	200	200	ug/kg	
95-47-6	o-Xylene	ND	200	200	ug/kg	
	m,p-Xylene	ND	200	200	ug/kg	

CAS No.	Surrogate Recoveries		Limits
120-82-1	1,2,4-Trichlorobenzene	113%	60-140%

Method Blank Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GTB298-MB	TB5448.D	1	07/01/10	DG	n/a	n/a	GTB298

The QC reported here applies to the following samples: **Method:** SW846 8021B

D14576-1, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-10, D14576-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	5.0	ug/kg	
100-41-4	Ethylbenzene	ND	10	10	ug/kg	
108-88-3	Toluene	ND	10	10	ug/kg	
95-47-6	o-Xylene	ND	10	10	ug/kg	
	m,p-Xylene	ND	10	10	ug/kg	

CAS No.	Surrogate Recoveries		Limits
120-82-1	1,2,4-Trichlorobenzene	110%	60-140%

Blank Spike Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA432-BS	GA7302.D	1	07/01/10	DG	n/a	n/a	GGA432

The QC reported here applies to the following samples: **Method:** SW846 8015B

D14576-2, D14576-8, D14576-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	220	204	93	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	120%	60-140%

Blank Spike Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB298-BS	GB5449.D	1	07/01/10	DG	n/a	n/a	GGB298

The QC reported here applies to the following samples: **Method:** SW846 8015B

D14576-1, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-10, D14576-11

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	11	10.7	97	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	157%* [a]	60-140%

(a) Outside control limits. TPH-GRO recovery within control limits.

Blank Spike Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GTA432-BS	TA7302.D	1	07/01/10	DG	n/a	n/a	GTA432

The QC reported here applies to the following samples: **Method:** SW846 8021B

D14576-2, D14576-8, D14576-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	2720	2780	102	70-130
100-41-4	Ethylbenzene	4560	4630	102	70-130
108-88-3	Toluene	21200	20900	99	70-130
95-47-6	o-Xylene	6590	6900	105	70-130
	m,p-Xylene	15000	15600	104	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	124%	60-140%

Blank Spike Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GTB298-BS	TB5449.D	1	07/01/10	DG	n/a	n/a	GTB298

The QC reported here applies to the following samples: **Method:** SW846 8021B

D14576-1, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-10, D14576-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	136	132	97	70-130
100-41-4	Ethylbenzene	228	224	98	70-130
108-88-3	Toluene	1060	1160	110	70-130
95-47-6	o-Xylene	330	353	107	70-130
	m,p-Xylene	750	817	109	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	135%	60-140%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D14576-2MS	GA7303.D	1	07/01/10	DG	n/a	n/a	GGA432
D14576-2MSD	GA7304.D	1	07/01/10	DG	n/a	n/a	GGA432
D14576-2	GA7305.D	1	07/01/10	DG	n/a	n/a	GGA432

The QC reported here applies to the following samples: **Method:** SW846 8015B

D14576-2, D14576-8, D14576-9

CAS No.	Compound	D14576-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	60.1		239	284	94	299	100	5	62-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D14576-2	Limits
120-82-1	1,2,4-Trichlorobenzene	178%* [a]	173%* [a]	170%* [a]	60-140%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D14576-1MS	GB5451.D	1	07/01/10	DG	n/a	n/a	GGB298
D14576-1MSD	GB5452.D	1	07/01/10	DG	n/a	n/a	GGB298
D14576-1	GB5450.D	1	07/01/10	DG	n/a	n/a	GGB298

The QC reported here applies to the following samples: **Method:** SW846 8015B

D14576-1, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-10, D14576-11

CAS No.	Compound	D14576-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	5.05		11.7	12.9	67	15.6	91	19	62-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D14576-1	Limits
120-82-1	1,2,4-Trichlorobenzene	159%* [a]	199%* [a]	188%* [a]	60-140%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D14576-2MS	TA7303.D	1	07/01/10	DG	n/a	n/a	GTA432
D14576-2MSD	TA7304.D	1	07/01/10	DG	n/a	n/a	GTA432
D14576-2	TA7305.D	1	07/01/10	DG	n/a	n/a	GTA432

The QC reported here applies to the following samples: **Method:** SW846 8021B

D14576-2, D14576-8, D14576-9

CAS No.	Compound	D14576-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		2960	3080	104	3160	107	3	70-130/30
100-41-4	Ethylbenzene	ND		4960	5230	105	5320	107	2	62-130/30
108-88-3	Toluene	305		23000	23500	101	24000	103	2	70-130/30
95-47-6	o-Xylene	262		7170	7950	107	8070	109	1	65-135/30
	m,p-Xylene	839		16300	18400	108	18700	110	2	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	D14576-2	Limits
120-82-1	1,2,4-Trichlorobenzene	161%* [a]	162%* [a]	160%* [a]	60-140%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D14576-1MS	TB5451.D	1	07/01/10	DG	n/a	n/a	GTB298
D14576-1MSD	TB5452.D	1	07/01/10	DG	n/a	n/a	GTB298
D14576-1	TB5450.D	1	07/01/10	DG	n/a	n/a	GTB298

The QC reported here applies to the following samples: **Method:** SW846 8021B

D14576-1, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-10, D14576-11

CAS No.	Compound	D14576-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		144	134	93	136	94	1	70-130/30
100-41-4	Ethylbenzene	ND		242	212	88	224	93	6	62-130/30
108-88-3	Toluene	ND		1120	1130	101	1180	105	4	70-130/30
95-47-6	o-Xylene	15.6		349	336	92	352	96	5	65-135/30
	m,p-Xylene	41.9		794	802	96	861	103	7	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	D14576-1	Limits
120-82-1	1,2,4-Trichlorobenzene	131%	132%	157%* [a]	60-140%

(a) Outside control limits due to matrix interference.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2081-MB	FE2987.D	1	06/28/10	CP	06/28/10	OP2081	GFE188

The QC reported here applies to the following samples: **Method:** SW846-8015B

D14576-1, D14576-2, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-8, D14576-9, D14576-10, D14576-11

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	13	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	96%	63-130%

Blank Spike Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2081-BS	FE2988.D	1	06/28/10	CP	06/28/10	OP2081	GFE188

The QC reported here applies to the following samples: **Method:** SW846-8015B

D14576-1, D14576-2, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-8, D14576-9, D14576-10, D14576-11

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	682	102	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	101%	63-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D14576
Account: KRWCCOL KRW Consulting, Inc.
Project: 296-7A

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2081-MS	FE2990.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
OP2081-MSD	FE2991.D	1	06/28/10	CP	06/28/10	OP2081	GFE188
D14576-1	FE2989.D	1	06/28/10	CP	06/28/10	OP2081	GFE188

The QC reported here applies to the following samples: **Method:** SW846-8015B

D14576-1, D14576-2, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-8, D14576-9, D14576-10, D14576-11

CAS No.	Compound	D14576-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	684		705	1400	102	1330	92	5	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D14576-1	Limits
84-15-1	o-Terphenyl	105%	102%	95%	63-130%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2175
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/25/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	35	250		
Antimony	150	8.5	65		
Arsenic	130	14	33		
Barium	50	.7	12		
Beryllium	50	7	22		
Boron	250	18	93		
Cadmium	50	1.1	6		
Calcium	2000	85	46	172	<2000
Chromium	50	1.4	8		
Cobalt	25	2.4	1.5		
Copper	25	8	14		
Iron	350	39	50		
Lead	250	6.5	16		
Lithium	10	3.8	8		
Magnesium	1000	29	62	57.5	<1000
Manganese	25	1.1	3.5		
Molybdenum	50	2.1	6		
Nickel	150	1.9	3		
Phosphorus	500	75	270		
Potassium	5000	1900	2700		
Selenium	250	14	36		
Silicon	250	60	100		
Silver	150	4.9	1.5		
Sodium	2000	1200	110	-450	<2000
Strontium	25	.46	17		
Thallium	50	16	11		
Tin	250	70	22		
Titanium	50	.49	3.5		
Uranium	250	11	20		
Vanadium	50	1.4	1.5		
Zinc	150	3.8	8.5		

Associated samples MP2175: D14576-1, D14576-2, D14576-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2175
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2175
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/25/10

Metal	D14576-3 Original	MS	Spikelot MPICPALL	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	77000	212000	125000	108.0	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	30100	157000	125000	101.5	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	93200	217000	125000	99.0	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP2175: D14576-1, D14576-2, D14576-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2175
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2175
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/25/10

Metal	D14576-3 Original	MSD	Spikelot MPICPALL	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	77000	214000	125000	109.6	0.9	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	30100	157000	125000	101.5	0.0	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	93200	216000	125000	98.2	0.5	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP2175: D14576-1, D14576-2, D14576-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2175
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2175
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/25/10

Metal	BSP Result	Spikelot MPICPALL	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	137000	125000	109.6	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	127000	125000	101.6	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	126000	125000	100.8	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP2175: D14576-1, D14576-2, D14576-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2175
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(anr) Analyte not requested

7.1.3

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BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2205
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/28/10

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	35	250		
Antimony	150	8.5	65		
Arsenic	130	14	33		
Barium	50	.7	12		
Beryllium	50	7	22		
Boron	250	18	93		
Cadmium	50	1.1	6		
Calcium	2000	85	46	18.5	<2000
Chromium	50	1.4	8		
Cobalt	25	2.4	1.5		
Copper	25	8	14		
Iron	350	39	50		
Lead	250	6.5	16		
Lithium	10	3.8	8		
Magnesium	1000	29	62	86.0	<1000
Manganese	25	1.1	3.5		
Molybdenum	50	2.1	6		
Nickel	150	1.9	3		
Phosphorus	500	75	270		
Potassium	5000	1900	2700		
Selenium	250	14	36		
Silicon	250	60	100		
Silver	150	4.9	1.5		
Sodium	2000	1200	110	-130	<2000
Strontium	25	.46	17		
Thallium	50	16	11		
Tin	250	70	22		
Titanium	50	.49	3.5		
Uranium	250	11	20		
Vanadium	50	1.4	1.5		
Zinc	150	3.8	8.5		

Associated samples MP2205: D14576-4, D14576-5, D14576-6, D14576-7, D14576-8, D14576-9, D14576-10, D14576-11

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2205
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(*) Outside of QC limits
(anr) Analyte not requested

7.2.1

7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2205
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/28/10

Metal	D14576-5 Original	MS	Spikelot MPICPALL	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	26300	154000	125000	102.2	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	10400	136000	125000	100.5	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	45400	174000	125000	102.9	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP2205: D14576-4, D14576-5, D14576-6, D14576-7, D14576-8, D14576-9, D14576-10, D14576-11

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2205
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2205 | Methods: SW846 6010B
Matrix Type: AQUEOUS | Units: ug/l

Prep Date: 06/28/10

Metal	D14576-5 Original	MSD	Spikelot MPICPALL	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	26300	156000	125000	103.8	1.3	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	10400	137000	125000	101.3	0.7	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	45400	176000	125000	104.5	1.1	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP2205: D14576-4, D14576-5, D14576-6, D14576-7, D14576-8, D14576-9, D14576-10, D14576-11

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2205
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2205
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/28/10

Metal	BSP Result	Spikelot MPICPALL	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	128000	125000	102.4	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	126000	125000	100.8	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	130000	125000	104.0	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP2205: D14576-4, D14576-5, D14576-6, D14576-7, D14576-8, D14576-9, D14576-10, D14576-11

Results < IDL are shown as zero for calculation purposes

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

QC Batch ID: MP2205
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: D14576
Account: KRWCCOL - KRW Consulting, Inc.
Project: 296-7A

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP2231/GN5059			umhos/cm	9985	10200	102.1	90-110%
Specific Conductivity	GP2258/GN5135			umhos/cm	9985	9910	99.2	90-110%
pH	GN5033			su	8.00	8.03	100.4	99.3-100.7%

Associated Samples:
Batch GN5033: D14576-1, D14576-10, D14576-11, D14576-2, D14576-3, D14576-4, D14576-5, D14576-6, D14576-7, D14576-8, D14576-9
Batch GP2231: D14576-1, D14576-2, D14576-3, D14576-4, D14576-5
Batch GP2258: D14576-10, D14576-11, D14576-6, D14576-7, D14576-8, D14576-9
(*) Outside of QC limits