



01/10/12

Technical Report for

Olsson Associates

Axia Taylor Water Pit

PO# 010-1659

Accutest Job Number: D30560

Sampling Date: 12/21/11

Report to:

Olsson Associates


shall@oaconsulting.com

ATTN: Stuart Hall

Total number of pages in report: 12



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.


Brad Madadian
Laboratory Director

Client Service contact: 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW) UT (NELAP CO00049)

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Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary 3

Section 2: Case Narrative/Conformance Summary 4

Section 3: Sample Results 5

3.1: D30560-1: TAYLOR WATER PIT 6

Section 4: Misc. Forms 10

4.1: Chain of Custody 11



Sample Summary

Olsson Associates

Job No: D30560

Axia Taylor Water Pit
Project No: PO# 010-1659

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
D30560-1	12/21/11	13:00 SH	12/22/11	AQ	Ground Water	TAYLOR WATER PIT

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Olsson Associates

Job No D30560

Site: Axia Taylor Water Pit

Report Dat 1/10/2012 9:59:27 AM

On 12/22/2011, 1 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 4.3 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D30560 was assigned to the project. The lab sample ID, client sample ID, and date 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 GCMS By Method SW846 8260B

Matrix AQ

Batch ID: V3V890

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D30440-18MS, D30440-18MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015B

Matrix AQ

Batch ID: GFA453

- All method blanks for this batch meet method specific criteria.
- Sample(s) D30656-1MS, D30656-1MSD were used as the QC samples indicated.
- The following sample was run outside of holding time for method SW846 8015B: D30560-1. Sample analyzed beyond recommended hold time due to scheduling problem. Client will accept data.
- The matrix spike (MS) and matrix spike duplicate (MSD) recovery(s) of Methanol are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- D30560-1: Sample analyzed beyond recommended hold time due to scheduling problem. Client will accept data.

Matrix AQ

Batch ID: GGB816

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D30425-2MS, D30425-2MSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015B

Matrix AQ

Batch ID: OP5062

- All samples were extracted and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D25280-13MS, D25280-13MSD were used as the QC samples indicated.

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

Page 1 of 1

Client Sample ID:	TAYLOR WATER PIT	Date Sampled:	12/21/11
Lab Sample ID:	D30560-1	Date Received:	12/22/11
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Axia Taylor Water Pit		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V15388.D	10	12/24/11	KV	n/a	n/a	V3V890
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	137	10	5.0	ug/l	
108-88-3	Toluene	236	20	10	ug/l	
100-41-4	Ethylbenzene	10.6	20	5.0	ug/l	J
1330-20-7	Xylene (total)	177	40	20	ug/l	
110-54-3	Hexane	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	123%		67-131%
2037-26-5	Toluene-D8	107%		65-130%
460-00-4	4-Bromofluorobenzene	103%		65-130%

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

Page 1 of 1

Client Sample ID:	TAYLOR WATER PIT	Date Sampled:	12/21/11
Lab Sample ID:	D30560-1	Date Received:	12/22/11
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015B		
Project:	Axia Taylor Water Pit		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	FA06965.D	1	01/05/12	TR	n/a	n/a	GFA453
Run #2							

	Initial Volume	Final Volume
Run #1	1.0 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
67-56-1	Methanol	30.4	10	5.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
71-36-3	n-Butyl Alcohol	78%		25-169%

(a) Sample analyzed beyond recommended hold time due to scheduling problem. Client will accept data.

ND = Not detected MDL - Method Detection Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	TAYLOR WATER PIT	Date Sampled:	12/21/11
Lab Sample ID:	D30560-1	Date Received:	12/22/11
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015B		
Project:	Axia Taylor Water Pit		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB14439.D	1	12/28/11	SK	n/a	n/a	GGB816
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.56	0.20	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	86%		60-140%		

ND = Not detected MDL - Method Detection Limit
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Report of Analysis

Page 1 of 1

Client Sample ID:	TAYLOR WATER PIT	Date Sampled:	12/21/11
Lab Sample ID:	D30560-1	Date Received:	12/22/11
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846-8015B SW846 3510C		
Project:	Axia Taylor Water Pit		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD12507.D	1	12/23/11	TR	12/22/11	OP5062	GFD648
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	70.1	0.38	0.30	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		25-146%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

10165 Harwin Drive, Houston, TX 77036 ; Phone 713-271-4700 ; Fax 713-271-4770

FED-EX Tracking #		Bottle Order Control #	
Accutest Quote		Accutest Job # D30560	
Client / Reporting Information		Project Information	
Company Name Olsson Associates		Project Name / No. Axia Taylor Water Pit	
Project Contact Ken Kreie E-Mail: kkreie@oaconsulting.com		Bill to Olsson Associates Invoice Attn: Ken Kreie	
Address 826 21 1/2 Road		Address 826 21 1/2 Road	
City Grand Junction State CO Zip 81505		City Grand Junction State CO Zip 81505	
Phone No. 970-263-7800		Phone No. 970-263-7800	
Fax No. 970-263-7800		Fax No. 970-263-7800	
Samplers Name Stuart Hall		Client Purchase Order # 010-1659	
Turnaround Time (Business days)		Data Deliverable Information	
<input checked="" type="checkbox"/> 10 Day STANDARD <input type="checkbox"/> 7 Day (per contract) <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> Other		<input type="checkbox"/> Commercial "A" <input checked="" type="checkbox"/> Commercial "B" <input type="checkbox"/> Reduced Tier 1 <input type="checkbox"/> Full Data Package <input type="checkbox"/> TRRP-13 <input type="checkbox"/> EDD Format <input type="checkbox"/> Other	
Approved By: / Date:		AMS FEDEX Account Number - 46721880	
Real time analytical data available via Lablink		Commercial "A" = Results Only Commercial "B" = Results & Standard QC	
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY			
Relinquished by: 1	Date Time: 12/21/11 1:10	Received By: 1	Relinquished By: 2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4
Relinquished by: 5	Date Time:	Received By: 5	Relinquished By: 4
Custody Seal # UPS		Cooler Temp. 4.3	

D30560: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D30560

Client: OLSSON ASS.

Immediate Client Services Action Required: No

Date / Time Received: 12/22/2011 11:10:00 A

No. Coolers: 1

Client Service Action Required at Login: No

Project: AXIA TAYLOR WATER PIT

Airbill #'s: UPS

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:			Infrared gun
3. Cooler media:			Ice (bag)

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:			Intact

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume rec'd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments