Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Monday, April 14, 2014 8:22 AM
To: Peter Sims
Subject: RE: Ashland Housing Project

Peter,

Based on the results of these confirmation samples, I concur that no additional excavation appears to be necessary at this time. If other conditions are detected or observed at a later date or during site grading, the need for additional excavation may be reviewed again at that time.

Regards,
Jerry Wickham
Alameda County Environmental Health

From: Peter Sims [psims@ninyoandmoore.com]
Sent: Friday, April 11, 2014 3:35 PM
To: Wickham, Jerry, Env. Health
Subject: Ashland Housing Project

Hi Jerry,

Attached are the lab results for the confirmation samples. I did not see any results that would require additional additional excavation. Please review the results and provide guidance. The contractor would like to perform any additional required excavation or backfill on Monday so I will follow up with you on Monday morning.

Samples CP5-0.5 and CP6-0.5 were collected from the short berm in the former carport area on the northwestern portion of the site.

Please note that sample COMP8 was a 4-point composite collected from the stockpiled soil which will be disposed off-site.

Thank you,

Peter D. Sims, LEED AP
Project Environmental Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 343-3000 x15216 (Office)

(510) 327-9335 (Cell Phone)
(510) 343-3001 (Fax)
psims@ninyoandmoore.com<mailto:psims@ninyoandmoore.com>

New San Jose office
2149 O'Toole Avenue, Suite 10
San Jose, CA 95131
(408) 435-9000

(408) 435-9006 (Fax)

Experience · Quality · Commitment

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

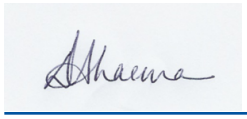
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-56677-1
Client Project/Site: Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims



Authorized for release by:
4/11/2014 3:12:55 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-56677-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-56677-1

Comments
No additional comments.

Receipt
The samples were received on 4/10/2014 10:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

Except:

Logged samples on a 1 day rush.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: S6-1 — Lab Sample ID: 720-56677-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.0		0.99		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: S7-1 — Lab Sample ID: 720-56677-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.9		1.0		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: CP5-0.5 — Lab Sample ID: 720-56677-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.4		3.7		mg/Kg	4		6010B	Total/NA
Lead	12		1.9		mg/Kg	4		6010B	Total/NA

Client Sample ID: CP6-0.5 — Lab Sample ID: 720-56677-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		2.8		mg/Kg	4		6010B	Total/NA
Lead	32		1.4		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: S6-1
Date Collected: 04/09/14 15:51
Date Received: 04/10/14 10:14

Lab Sample ID: 720-56677-1
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.0**		0.99		mg/Kg		04/10/14 10:30	04/10/14 20:55	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		04/10/14 10:30	04/10/14 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0002*		*0 - 1*	*04/10/14 10:30*	*04/10/14 20:55*	*1*
p-Terphenyl	*84*		*38 - 148*	*04/10/14 10:30*	*04/10/14 20:55*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: S7-1
Date Collected: 04/09/14 15:53
Date Received: 04/10/14 10:14

Lab Sample ID: 720-56677-2
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3.9**		1.0		mg/Kg		04/10/14 10:30	04/10/14 21:19	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/10/14 10:30	04/10/14 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.03*		*0 - 1*	*04/10/14 10:30*	*04/10/14 21:19*	*1*
p-Terphenyl	*85*		*38 - 148*	*04/10/14 10:30*	*04/10/14 21:19*	*1*

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: CP5-0.5
Date Collected: 04/09/14 15:56
Date Received: 04/10/14 10:14

Lab Sample ID: 720-56677-3
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.4		3.7		mg/Kg		04/10/14 11:08	04/11/14 11:27	4
Lead	12		1.9		mg/Kg		04/10/14 11:08	04/11/14 11:27	4

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: CP6-0.5
Date Collected: 04/09/14 15:57
Date Received: 04/10/14 10:14

Lab Sample ID: 720-56677-4
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		2.8		mg/Kg		04/10/14 11:08	04/11/14 11:37	4
Lead	32		1.4		mg/Kg		04/10/14 11:08	04/11/14 11:37	4

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-157075/1-A
Matrix: Solid
Analysis Batch: 157069

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 157075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/10/14 08:16	04/10/14 21:39	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/10/14 08:16	04/10/14 21:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.007*		*0 - 1*	*04/10/14 08:16*	*04/10/14 21:39*	*1*
p-Terphenyl	*99*		*38 - 148*	*04/10/14 08:16*	*04/10/14 21:39*	*1*

Lab Sample ID: LCS 720-157075/2-A
Matrix: Solid
Analysis Batch: 157069

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 157075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.2	55.6		mg/Kg		67	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*101*		*38 - 148*

Lab Sample ID: LCSD 720-157075/3-A
Matrix: Solid
Analysis Batch: 157069

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 157075

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.0	59.3		mg/Kg		71	36 - 112	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*106*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-157086/1-A
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 157086

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		mg/Kg		04/10/14 11:08	04/11/14 11:04	1
Lead	ND		0.50		mg/Kg		04/10/14 11:08	04/11/14 11:04	1

Lab Sample ID: LCS 720-157086/2-A
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157086

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	47.9		mg/Kg		96	80 - 120
Lead	50.0	49.6		mg/Kg		99	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-157086/3-A
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 157086

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			50.0	48.6		mg/Kg		97	80 - 120	2	20
Lead			50.0	50.5		mg/Kg		101	80 - 120	2	20

Lab Sample ID: LCSSRM 720-157086/11-A
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157086

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			45.5	40.6		mg/Kg		89	69 - 119		
Lead			302	262		mg/Kg		87	62 - 113		

Lab Sample ID: 720-56677-3 MS
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: CP5-0.5
Prep Type: Total/NA
Prep Batch: 157086

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	5.4		45.5	56.6		mg/Kg		113	75 - 125		
Lead	12		45.5	67.7		mg/Kg		122	75 - 125		

Lab Sample ID: 720-56677-3 MSD
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: CP5-0.5
Prep Type: Total/NA
Prep Batch: 157086

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.4		43.5	52.1		mg/Kg		107	75 - 125	8	20
Lead	12		43.5	62.1		mg/Kg		114	75 - 125	9	20

QC Association Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

GC Semi VOA

Analysis Batch: 157068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56677-1	S6-1	Silica Gel Cleanup	Solid	8015B	157075
720-56677-2	S7-1	Silica Gel Cleanup	Solid	8015B	157075

Analysis Batch: 157069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-157075/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	157075
LCSD 720-157075/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	157075
MB 720-157075/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	157075

Prep Batch: 157075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56677-1	S6-1	Silica Gel Cleanup	Solid	3546	
720-56677-2	S7-1	Silica Gel Cleanup	Solid	3546	
LCS 720-157075/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-157075/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-157075/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Metals

Prep Batch: 157086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56677-3	CP5-0.5	Total/NA	Solid	3050B	
720-56677-3 MS	CP5-0.5	Total/NA	Solid	3050B	
720-56677-3 MSD	CP5-0.5	Total/NA	Solid	3050B	
720-56677-4	CP6-0.5	Total/NA	Solid	3050B	
LCS 720-157086/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-157086/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-157086/11-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-157086/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 157205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56677-3	CP5-0.5	Total/NA	Solid	6010B	157086
720-56677-3 MS	CP5-0.5	Total/NA	Solid	6010B	157086
720-56677-3 MSD	CP5-0.5	Total/NA	Solid	6010B	157086
720-56677-4	CP6-0.5	Total/NA	Solid	6010B	157086
LCS 720-157086/2-A	Lab Control Sample	Total/NA	Solid	6010B	157086
LCSD 720-157086/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	157086
LCSSRM 720-157086/11-A	Lab Control Sample	Total/NA	Solid	6010B	157086
MB 720-157086/1-A	Method Blank	Total/NA	Solid	6010B	157086

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: S6-1

Lab Sample ID: 720-56677-1

Date Collected: 04/09/14 15:51

Matrix: Solid

Date Received: 04/10/14 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			157075	04/10/14 10:30	MRP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	157068	04/10/14 20:55	DCH	TAL PLS

Client Sample ID: S7-1

Lab Sample ID: 720-56677-2

Date Collected: 04/09/14 15:53

Matrix: Solid

Date Received: 04/10/14 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			157075	04/10/14 10:30	MRP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	157068	04/10/14 21:19	DCH	TAL PLS

Client Sample ID: CP5-0.5

Lab Sample ID: 720-56677-3

Date Collected: 04/09/14 15:56

Matrix: Solid

Date Received: 04/10/14 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			157086	04/10/14 11:08	CTD	TAL PLS
Total/NA	Analysis	6010B		4	157205	04/11/14 11:27	CAM	TAL PLS

Client Sample ID: CP6-0.5

Lab Sample ID: 720-56677-4

Date Collected: 04/09/14 15:57

Matrix: Solid

Date Received: 04/10/14 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			157086	04/10/14 11:08	CTD	TAL PLS
Total/NA	Analysis	6010B		4	157205	04/11/14 11:37	CAM	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-56677-1	S6-1	Solid	04/09/14 15:51	04/10/14 10:14
720-56677-2	S7-1	Solid	04/09/14 15:53	04/10/14 10:14
720-56677-3	CP5-0.5	Solid	04/09/14 15:56	04/10/14 10:14
720-56677-4	CP6-0.5	Solid	04/09/14 15:57	04/10/14 10:14

TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax

Chain of Custody Record

720-56677

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
153005
TestAmerica Laboratories, Inc.

4/1/2014

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Peter Sims	Site Contact: Peter Sims	Date: 4/9/14	COC No:
Ninyo & Moore	Tel/Fax: 510-327-9335	Lab Contact: Dimple Sharma	Carrier:	1 of 1 COCs
1956 Webster Street	Analysis Turnaround Time			Sampler:
Oakland, CA 94612	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
510-343-3000 Phone	TAT if different from Below _____			Walk-in Client:
510-343-3001 FAX	☐ 2 weeks			Lab Sampling:
Project Name: Ashland Housing Project	☐ 1 week			
Site: 16305 Kent Avenue, Ashland, CA	☐ 2 days			Job / SDG No.:
P O # ~~402209002~~ 402090002	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/TPHmo EPA 8015	lead/Arsenic EPA 6010	Sample Specific Notes:
S6-1	4/9/14	1551	G	Soil	1	N	Y	X		
S7-1	〃	1553	〃	〃	〃	〃	〃	X		
CP5-0.5	〃	1556	〃	〃	〃	〃	〃		X	
CP6-0.5	〃	1557	〃	〃	〃	〃	〃		X	

720-56677 Chain of Custody

PUSH

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: TPHd/TPHmo analyses to be performed w/ silica gel cleanup

3.5C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by: Peter Sims	Ninyo & Moore	4-10-14 0930	Received by:	TAP	4-10-14 9:30
Relinquished by:	TAP	4-10-14 1014	Received by:		
Relinquished by:			Received in Laboratory by:		4-10-14 1014

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-56677-1

Login Number: 56677

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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TestAmerica Job ID: 720-56659-1
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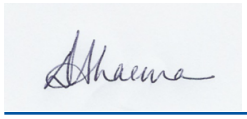
Oakland, California 94612

Attn: Mr. Peter D. Sims



Authorized for release by:
4/10/2014 5:40:06 PM

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Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-56659-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-56659-1

Comments
No additional comments.

Receipt
The samples were received on 4/9/2014 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.2º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The following sample was diluted due to the abundance of non-target analytes: COMP8 (720-56659-11). Elevated reporting limits (RLs) are provided.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 157044 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 157051 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S1-1 — Lab Sample ID: 720-56659-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	11		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	71		49		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: S2-2.5 — Lab Sample ID: 720-56659-2

No Detections.

Client Sample ID: S3-2.5 — Lab Sample ID: 720-56659-3

No Detections.

Client Sample ID: S4-2.5 — Lab Sample ID: 720-56659-4

No Detections.

Client Sample ID: B1-3 — Lab Sample ID: 720-56659-5

No Detections.

Client Sample ID: S5-1 — Lab Sample ID: 720-56659-6

No Detections.

Client Sample ID: COMP8 — Lab Sample ID: 720-56659-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	18		2.0		mg/Kg	2		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	130		98		mg/Kg	2		8015B	Silica Gel Cleanup
Arsenic	6.9		3.9		mg/Kg	4		6010B	Total/NA
Barium	210		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.43		0.39		mg/Kg	4		6010B	Total/NA
Cadmium	0.49		0.49		mg/Kg	4		6010B	Total/NA
Chromium	49		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	13		0.78		mg/Kg	4		6010B	Total/NA
Copper	35		5.8		mg/Kg	4		6010B	Total/NA
Lead	73		1.9		mg/Kg	4		6010B	Total/NA
Nickel	53		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	42		1.9		mg/Kg	4		6010B	Total/NA
Zinc	110		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.084		0.0088		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S1-1
Date Collected: 04/09/14 13:46
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-1
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11		0.99		mg/Kg		04/09/14 17:11	04/10/14 10:55	1
Motor Oil Range Organics [C24-C36]	71		49		mg/Kg		04/09/14 17:11	04/10/14 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.08*		*0 - 1*	*04/09/14 17:11*	*04/10/14 10:55*	*1*
p-Terphenyl	*88*		*38 - 148*	*04/09/14 17:11*	*04/10/14 10:55*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S2-2.5
Date Collected: 04/09/14 13:49
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-2
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 17:11	04/10/14 00:00	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/09/14 17:11	04/10/14 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 1*	*04/09/14 17:11*	*04/10/14 00:00*	*1*
p-Terphenyl	*88*		*38 - 148*	*04/09/14 17:11*	*04/10/14 00:00*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S3-2.5
Date Collected: 04/09/14 13:55
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-3
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		04/09/14 17:11	04/10/14 00:29	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/09/14 17:11	04/10/14 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 1*	*04/09/14 17:11*	*04/10/14 00:29*	*1*
p-Terphenyl	*90*		*38 - 148*	*04/09/14 17:11*	*04/10/14 00:29*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S4-2.5
Date Collected: 04/09/14 13:56
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-4
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 17:11	04/10/14 00:59	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		04/09/14 17:11	04/10/14 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*04/09/14 17:11*	*04/10/14 00:59*	*1*
p-Terphenyl	*92*		*38 - 148*	*04/09/14 17:11*	*04/10/14 00:59*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: B1-3
Date Collected: 04/09/14 13:58
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-5
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 17:11	04/09/14 23:02	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		04/09/14 17:11	04/09/14 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 1*	*04/09/14 17:11*	*04/09/14 23:02*	*1*
p-Terphenyl	*90*		*38 - 148*	*04/09/14 17:11*	*04/09/14 23:02*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S5-1
Date Collected: 04/09/14 14:01
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-6
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 17:11	04/09/14 23:31	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		04/09/14 17:11	04/09/14 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*04/09/14 17:11*	*04/09/14 23:31*	*1*
p-Terphenyl	*88*		*38 - 148*	*04/09/14 17:11*	*04/09/14 23:31*	*1*

Client Sample ID: COMP8
Date Collected: 04/09/14 14:15
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-11
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		04/09/14 16:49	04/09/14 18:38	1
Ethylbenzene	ND		5.0		ug/Kg		04/09/14 16:49	04/09/14 18:38	1
Toluene	ND		5.0		ug/Kg		04/09/14 16:49	04/09/14 18:38	1
Xylenes, Total	ND		10		ug/Kg		04/09/14 16:49	04/09/14 18:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/09/14 16:49	04/09/14 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*45 - 131*	*04/09/14 16:49*	*04/09/14 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*60 - 140*	*04/09/14 16:49*	*04/09/14 18:38*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*	*04/09/14 16:49*	*04/09/14 18:38*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**18**		2.0		mg/Kg		04/09/14 17:46	04/10/14 11:20	2
Motor Oil Range Organics [C24-C36]	**130**		98		mg/Kg		04/09/14 17:46	04/10/14 11:20	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.007*		*0 - 1*	*04/09/14 17:46*	*04/10/14 11:20*	*2*
p-Terphenyl	*96*		*38 - 148*	*04/09/14 17:46*	*04/10/14 11:20*	*2*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Arsenic	**6.9**		3.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Barium	**210**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Beryllium	**0.43**		0.39		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Cadmium	**0.49**		0.49		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Chromium	**49**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Cobalt	**13**		0.78		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Copper	**35**		5.8		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Lead	**73**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Molybdenum	ND		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Nickel	**53**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Selenium	ND		3.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Silver	ND		0.97		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Thallium	ND		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Vanadium	**42**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Zinc	**110**		5.8		mg/Kg		04/09/14 17:46	04/10/14 12:38	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.084**		0.0088		mg/Kg		04/09/14 19:41	04/10/14 15:03	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-156987/4
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			04/09/14 09:02	1
Ethylbenzene	ND		5.0		ug/Kg			04/09/14 09:02	1
Toluene	ND		5.0		ug/Kg			04/09/14 09:02	1
Xylenes, Total	ND		10		ug/Kg			04/09/14 09:02	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			04/09/14 09:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*45 - 131*		*04/09/14 09:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*60 - 140*		*04/09/14 09:02*	*1*
Toluene-d8 (Surr)	*99*		*58 - 140*		*04/09/14 09:02*	*1*

Lab Sample ID: LCS 720-156987/5
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.2		ug/Kg		100	70 - 130
Ethylbenzene	50.0	49.8		ug/Kg		100	80 - 137
Toluene	50.0	50.3		ug/Kg		101	80 - 128
m-Xylene & p-Xylene	100	102		ug/Kg		102	70 - 146
o-Xylene	50.0	54.3		ug/Kg		109	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*
Toluene-d8 (Surr)	*104*		*58 - 140*

Lab Sample ID: LCS 720-156987/7
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1140		ug/Kg		114	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*116*		*60 - 140*
Toluene-d8 (Surr)	*103*		*58 - 140*

Lab Sample ID: LCSD 720-156987/6
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	49.5		ug/Kg		99	70 - 130	1	20
Ethylbenzene	50.0	49.2		ug/Kg		98	80 - 137	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-156987/6
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			50.0	50.4		ug/Kg		101	80 - 128	0	20
m-Xylene & p-Xylene			100	104		ug/Kg		104	70 - 146	1	20
o-Xylene			50.0	54.3		ug/Kg		109	70 - 140	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*114*		*60 - 140*
Toluene-d8 (Surr)	*104*		*58 - 140*

Lab Sample ID: LCSD 720-156987/8
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1120		ug/Kg		112	61 - 128	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*114*		*60 - 140*
Toluene-d8 (Surr)	*103*		*58 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-156993/1-A
Matrix: Solid
Analysis Batch: 156983

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 156993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 08:30	04/09/14 20:38	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/09/14 08:30	04/09/14 20:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0004*		*0 - 1*	*04/09/14 08:30*	*04/09/14 20:38*	*1*
p-Terphenyl	*92*		*38 - 148*	*04/09/14 08:30*	*04/09/14 20:38*	*1*

Lab Sample ID: LCS 720-156993/2-A
Matrix: Solid
Analysis Batch: 156983

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 156993

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			82.5	45.7		mg/Kg		55	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*88*		*38 - 148*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 720-156993/3-A
Matrix: Solid
Analysis Batch: 156983

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 156993

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			83.3	44.4		mg/Kg		53	36 - 112	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*91*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-157044/1-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 157044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Arsenic	ND		1.0		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Barium	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Beryllium	ND		0.10		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Cadmium	ND		0.13		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Chromium	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Cobalt	ND		0.20		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Copper	ND		1.5		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Lead	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Molybdenum	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Nickel	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Selenium	ND		1.0		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Silver	ND		0.25		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Thallium	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Vanadium	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Zinc	ND		1.5		mg/Kg		04/09/14 17:46	04/10/14 12:05	1

Lab Sample ID: LCS 720-157044/2-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	48.1		mg/Kg		96	80 - 120
Arsenic	50.0	49.5		mg/Kg		99	80 - 120
Barium	50.0	51.4		mg/Kg		103	80 - 120
Beryllium	50.0	51.2		mg/Kg		102	80 - 120
Cadmium	50.0	51.3		mg/Kg		103	80 - 120
Chromium	50.0	51.8		mg/Kg		104	80 - 120
Cobalt	50.0	52.4		mg/Kg		105	80 - 120
Copper	50.0	51.2		mg/Kg		102	80 - 120
Lead	50.0	51.6		mg/Kg		103	80 - 120
Molybdenum	50.0	50.9		mg/Kg		102	80 - 120
Nickel	50.0	50.9		mg/Kg		102	80 - 120
Selenium	50.0	48.7		mg/Kg		97	80 - 120
Silver	25.0	23.8		mg/Kg		95	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-157044/2-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	50.0	51.3		mg/Kg		103	80 - 120
Vanadium	50.0	51.0		mg/Kg		102	80 - 120
Zinc	50.0	50.8		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 720-157044/3-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 157044

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	48.5		mg/Kg		97	80 - 120	1	20
Arsenic	50.0	49.1		mg/Kg		98	80 - 120	1	20
Barium	50.0	50.8		mg/Kg		102	80 - 120	1	20
Beryllium	50.0	51.1		mg/Kg		102	80 - 120	0	20
Cadmium	50.0	50.8		mg/Kg		102	80 - 120	1	20
Chromium	50.0	51.3		mg/Kg		103	80 - 120	1	20
Cobalt	50.0	51.8		mg/Kg		104	80 - 120	1	20
Copper	50.0	50.6		mg/Kg		101	80 - 120	1	20
Lead	50.0	51.1		mg/Kg		102	80 - 120	1	20
Molybdenum	50.0	50.6		mg/Kg		101	80 - 120	1	20
Nickel	50.0	50.5		mg/Kg		101	80 - 120	1	20
Selenium	50.0	48.1		mg/Kg		96	80 - 120	1	20
Silver	25.0	23.5		mg/Kg		94	80 - 120	1	20
Thallium	50.0	50.8		mg/Kg		102	80 - 120	1	20
Vanadium	50.0	50.4		mg/Kg		101	80 - 120	1	20
Zinc	50.0	50.3		mg/Kg		101	80 - 120	1	20

Lab Sample ID: LCSSRM 720-157044/25-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157044

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	44.0		mg/Kg		59	11 - 101
Arsenic	45.5	43.4		mg/Kg		95	69 - 119
Barium	579	508		mg/Kg		88	61 - 117
Beryllium	155	144		mg/Kg		93	56 - 102
Cadmium	201	193		mg/Kg		96	67 - 118
Chromium	106	100		mg/Kg		94	67 - 121
Cobalt	247	232		mg/Kg		94	64 - 133
Copper	130	121		mg/Kg		93	68 - 126
Lead	302	274		mg/Kg		91	62 - 113
Molybdenum	165	153		mg/Kg		93	62 - 128
Nickel	305	289		mg/Kg		95	65 - 117
Selenium	133	128		mg/Kg		96	63 - 126
Silver	33.5	31.1		mg/Kg		93	51 - 130
Thallium	191	177		mg/Kg		92	64 - 124
Vanadium	214	200		mg/Kg		93	67 - 123
Zinc	388	355		mg/Kg		91	62 - 110

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-157051/1-A
Matrix: Solid
Analysis Batch: 157116

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 157051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/09/14 19:41	04/10/14 14:37	1

Lab Sample ID: LCS 720-157051/2-A
Matrix: Solid
Analysis Batch: 157116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157051

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.842		mg/Kg		101	80 - 120

Lab Sample ID: LCSD 720-157051/3-A
Matrix: Solid
Analysis Batch: 157116

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 157051

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.850		mg/Kg		102	80 - 120	1	20

GC/MS VOA

Analysis Batch: 156987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	8260B/CA_LUFT MS	157013
LCS 720-156987/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-156987/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-156987/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-156987/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-156987/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 157013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	5030B	

GC Semi VOA

Analysis Batch: 156983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-156993/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	156993
LCSD 720-156993/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	156993
MB 720-156993/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	156993

Analysis Batch: 156990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-5	B1-3	Silica Gel Cleanup	Solid	8015B	156993
720-56659-6	S5-1	Silica Gel Cleanup	Solid	8015B	156993

Analysis Batch: 156991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-2	S2-2.5	Silica Gel Cleanup	Solid	8015B	156993
720-56659-3	S3-2.5	Silica Gel Cleanup	Solid	8015B	156993
720-56659-4	S4-2.5	Silica Gel Cleanup	Solid	8015B	156993

Prep Batch: 156993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-1	S1-1	Silica Gel Cleanup	Solid	3546	
720-56659-2	S2-2.5	Silica Gel Cleanup	Solid	3546	
720-56659-3	S3-2.5	Silica Gel Cleanup	Solid	3546	
720-56659-4	S4-2.5	Silica Gel Cleanup	Solid	3546	
720-56659-5	B1-3	Silica Gel Cleanup	Solid	3546	
720-56659-6	S5-1	Silica Gel Cleanup	Solid	3546	
720-56659-11	COMP8	Silica Gel Cleanup	Solid	3546	
LCS 720-156993/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-156993/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-156993/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 157067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-1	S1-1	Silica Gel Cleanup	Solid	8015B	156993

GC Semi VOA (Continued)

Analysis Batch: 157067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Silica Gel Cleanup	Solid	8015B	156993

Metals

Prep Batch: 157044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	3050B	
LCS 720-157044/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-157044/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-157044/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-157044/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 157051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	7471A	
LCS 720-157051/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-157051/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-157051/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 157105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	6010B	157044
LCS 720-157044/2-A	Lab Control Sample	Total/NA	Solid	6010B	157044
LCSD 720-157044/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	157044
LCSSRM 720-157044/25-A	Lab Control Sample	Total/NA	Solid	6010B	157044
MB 720-157044/1-A	Method Blank	Total/NA	Solid	6010B	157044

Analysis Batch: 157116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	7471A	157051
LCS 720-157051/2-A	Lab Control Sample	Total/NA	Solid	7471A	157051
LCSD 720-157051/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	157051
MB 720-157051/1-A	Method Blank	Total/NA	Solid	7471A	157051

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S1-1
Lab Sample ID: 720-56659-1
Date Collected: 04/09/14 13:46
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	157067	04/10/14 10:55	DCH	TAL PLS

Client Sample ID: S2-2.5
Lab Sample ID: 720-56659-2
Date Collected: 04/09/14 13:49
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156991	04/10/14 00:00	DCH	TAL PLS

Client Sample ID: S3-2.5
Lab Sample ID: 720-56659-3
Date Collected: 04/09/14 13:55
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156991	04/10/14 00:29	DCH	TAL PLS

Client Sample ID: S4-2.5
Lab Sample ID: 720-56659-4
Date Collected: 04/09/14 13:56
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156991	04/10/14 00:59	DCH	TAL PLS

Client Sample ID: B1-3
Lab Sample ID: 720-56659-5
Date Collected: 04/09/14 13:58
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156990	04/09/14 23:02	DCH	TAL PLS

Client Sample ID: S5-1
Lab Sample ID: 720-56659-6
Date Collected: 04/09/14 14:01
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156990	04/09/14 23:31	DCH	TAL PLS

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: COMP8
Date Collected: 04/09/14 14:15
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			157013	04/09/14 16:49	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	156987	04/09/14 18:38	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:46	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		2	157067	04/10/14 11:20	DCH	TAL PLS
Total/NA	Prep	3050B			157044	04/09/14 17:46	CTD	TAL PLS
Total/NA	Analysis	6010B		4	157105	04/10/14 12:38	CAM	TAL PLS
Total/NA	Prep	7471A			157051	04/09/14 19:41	CTD	TAL PLS
Total/NA	Analysis	7471A		1	157116	04/10/14 15:03	SLK	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B	Solid	Thallium

Method Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-56659-1	S1-1	Solid	04/09/14 13:46	04/09/14 15:30
720-56659-2	S2-2.5	Solid	04/09/14 13:49	04/09/14 15:30
720-56659-3	S3-2.5	Solid	04/09/14 13:55	04/09/14 15:30
720-56659-4	S4-2.5	Solid	04/09/14 13:56	04/09/14 15:30
720-56659-5	B1-3	Solid	04/09/14 13:58	04/09/14 15:30
720-56659-6	S5-1	Solid	04/09/14 14:01	04/09/14 15:30
720-56659-11	COMP8	Solid	04/09/14 14:15	04/09/14 15:30

TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax

720-56659

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

4/10/2014

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Peter Sims	Site Contact: Peter Sims	Date: 4-9-14	COC No:
Ninyo & Moore	Tel/Fax: 510-327-9535	Lab Contact: Dimple Sharma	Carrier:	1 of 1 COCs
1956 Webster Street	Analysis Turnaround Time			Sampler:
Oakland, CA 94612	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx Phone	TAT if different from Below _____			Walk-in Client:
(xxx) xxx-xxxx FAX	☐ 2 weeks			Lab Sampling:
Project Name: Ashland	☐ 1 week			
Site: 16305 Kent Avenue	☐ 2 days			Job / SDG No.:
PO# 4020090002	☒ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/TPHmo EPA 8015	TPHg EPA 8260	#Title 22 metals 6010	BTEX EPA 8260	Sample Specific Notes:
S1-1	4/9/14	1346	G	Soil	1	N	Y	X				~~1 day~~ TPS
S2-2.5		1349						X				
S3-2.5		1352						X				
S4-2.5		1358						X				
B1-3		1358						X				
S5-1		1401						X				
SP8-1		1415										
SP8-2		1418										
SP8-3		1420										
SP8-4	↓	1423	↓		↓							
Comp8			C		4			X	X	X	X	

Comp8 = SP8-1, SP8-2, SP8-3, SP8-4

720-56659 Chain of Custody

RUSH

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Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: TPHd/TPHmo by EPA 8015 w/ silica gel cleanup
Prepare Comp8 by compositing SP8-1, SP8-2, SP8-3, and SP8-4

5.2°C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Peter Sims	Ninyo+Moore	4-9-14/1458		TA	4/9/14 @ 1458
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	4/9/14 @ 1530		TA	4/9/14 1530
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-56659-1

Login Number: 56659

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	