Detterman, Mark, Env. Health

From: James Gribi [JGribi@gribiassociates.com]
Sent: Wednesday, August 15, 2012 5:36 PM
To: Tougeron, Christopher, Env. Health
Cc: Detterman, Mark, Env. Health; Bill Banker; Elaine Kirk; Gino Baldocchi; Peter Griffith
Subject: 3800 San Pablo Avenue Tank Removal Lab Results
Attachments: T121356f Maz Glass.pdf; T121358f Maz Glass.pdf

Chris

Attached please find the two lab reports for the tank removal at 3800 San Pablo Avenue in Emeryville. One lab report (T121358f) is for the four verification soil samples, and one report (T121356f) is for the composite soil stockpile sample. These results show essentially no hydrocarbon or other impacts in either the verification or stockpile soil samples.

Due to the very real risk to pedestrian traffic, TEC-Accutite already backfilled and compacted the stockpiled soil back into the excavation cavity. Based on the lab results, I assume that a URF will not be filed and no additional investigation will be required. With this in mind, is it okay for them to resurface the sidewalk now?

Thanks
Jim

James E. Gribi, PG
Senior Geologist / Principal
Gribi Associates
1090 Adams Street, Suite K, Benicia, CA 94510
phone 707.748.7743 fax 707.748.7763 cell 707.631.1505

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

15 August 2012

Jim Gribi
Gribi Associates
1090 Adam Street, Suite K
Benicia, CA 94510

RE: Maz Glass

Enclosed are the results of analyses for samples received by the laboratory on 08/10/12 10:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wendy Hsiao For Daniel Chavez
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite 01-03	T121356-04	Soil	08/09/12 00:00	08/10/12 10:15

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Wendy Hsiao For Daniel Chavez, Project Manager

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Providing Quality Analytical Services Nationwide

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949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:03

Composite 01-03
T121356-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*145 %*	*65-135*		"	"	"	"	*S-Hi1*
Metals by EPA 6010B									
Cadmium	ND	2.0	mg/kg	1	2081010	08/10/12	08/13/12	EPA 6010B	
Chromium	**23**	2.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Nickel	**33**	2.0	"	"	"	"	"	"	
Zinc	**250**	1.0	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*84.1 %*	*85.5-116*		"	"	"	"	*S-GC*
Surrogate: 4-Bromofluorobenzene		*95.1 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*81.4 %*	*95.7-135*		"	"	"	"	*S-GC*

SunStar Laboratories, Inc.

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Wendy Hsiao For Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:03

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081007 - EPA 3550B GC										
Blank (2081007-BLK1)				Prepared: 08/10/12 Analyzed: 08/13/12						
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*169*		*"*	*100*		*169*	*65-135*			*S-Hi1*
LCS (2081007-BS1)				Prepared: 08/10/12 Analyzed: 08/13/12						
C13-C28 (DRO)	480	10	mg/kg	500		95.3	75-125			
Surrogate: p-Terphenyl	*135*		*"*	*100*		*135*	*65-135*			
Matrix Spike (2081007-MS1)	**Source: T121356-04**			Prepared: 08/10/12 Analyzed: 08/13/12						
C13-C28 (DRO)	490	10	mg/kg	500	ND	97.2	75-125			
Surrogate: p-Terphenyl	*132*		*"*	*100*		*132*	*65-135*			
Matrix Spike Dup (2081007-MSD1)	**Source: T121356-04**			Prepared: 08/10/12 Analyzed: 08/13/12						
C13-C28 (DRO)	490	10	mg/kg	500	ND	97.8	75-125	0.659	20	
Surrogate: p-Terphenyl	*133*		*"*	*100*		*133*	*65-135*			

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:03

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081010 - EPA 3051										
Blank (2081010-BLK1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Cadmium	ND	2.0	mg/kg							
Chromium	ND	2.0	"							
Lead	ND	3.0	"							
Nickel	ND	2.0	"							
Zinc	ND	1.0	"							
LCS (2081010-BS1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Cadmium	94.3	2.0	mg/kg	100		94.3	75-125			
Chromium	95.0	2.0	"	100		95.0	75-125			
Lead	96.8	3.0	"	100		96.8	75-125			
Matrix Spike (2081010-MS1)	**Source: T121364-05**			Prepared: 08/10/12 Analyzed: 08/13/12						
Cadmium	87.3	2.0	mg/kg	100	1.94	85.3	75-125			
Chromium	105	2.0	"	100	16.3	89.0	75-125			
Lead	92.9	3.0	"	100	ND	92.9	75-125			
Matrix Spike Dup (2081010-MSD1)	**Source: T121364-05**			Prepared: 08/10/12 Analyzed: 08/13/12						
Cadmium	85.3	2.0	mg/kg	100	1.94	83.4	75-125	2.26	20	
Chromium	102	2.0	"	100	16.3	85.7	75-125	3.18	20	
Lead	90.8	3.0	"	100	ND	90.8	75-125	2.19	20	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081018 - EPA 5030 GCMS										
Blank (2081018-BLK1)				Prepared: 08/10/12 Analyzed: 08/15/12						
Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: Toluene-d8	*33.8*		*"*	*40.0*		*84.6*	*85.5-116*			*S-GC*
Surrogate: 4-Bromofluorobenzene	*35.1*		*"*	*40.0*		*87.8*	*81.2-123*			
Surrogate: Dibromofluoromethane	*30.6*		*"*	*40.0*		*76.4*	*95.7-135*			*S-GC*
LCS (2081018-BS1)				Prepared: 08/10/12 Analyzed: 08/15/12						
Chlorobenzene	99.6	5.0	ug/kg	100		99.6	75-125			
1,1-Dichloroethene	119	5.0	"	100		119	75-125			
Trichloroethene	117	5.0	"	100		117	75-125			
Benzene	99.4	5.0	"	100		99.4	75-125			
Toluene	94.2	5.0	"	100		94.2	75-125			
Surrogate: Toluene-d8	*37.0*		*"*	*40.0*		*92.4*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*31.8*		*"*	*40.0*		*79.6*	*81.2-123*			*S-GC*
Surrogate: Dibromofluoromethane	*30.3*		*"*	*40.0*		*75.8*	*95.7-135*			*S-GC*
Matrix Spike (2081018-MS1)	**Source: T121358-01**			Prepared: 08/10/12 Analyzed: 08/15/12						
Chlorobenzene	97.6	5.0	ug/kg	100	ND	97.6	75-125			
1,1-Dichloroethene	116	5.0	"	100	ND	116	75-125			
Trichloroethene	92.8	5.0	"	100	ND	92.8	75-125			
Benzene	96.3	5.0	"	100	ND	96.3	75-125			
Toluene	92.8	5.0	"	100	ND	92.8	75-125			
Surrogate: Toluene-d8	*35.2*		*"*	*40.0*		*88.0*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*32.6*		*"*	*40.0*		*81.6*	*81.2-123*			
Surrogate: Dibromofluoromethane	*29.2*		*"*	*40.0*		*73.0*	*95.7-135*			*S-GC*

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Wendy Hsiao For Daniel Chavez, Project Manager

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Providing Quality Analytical Services Nationwide

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081018 - EPA 5030 GCMS										
Matrix Spike Dup (2081018-MSD1)	**Source: T121358-01**			Prepared: 08/10/12	Analyzed: 08/15/12					
Chlorobenzene	97.8	5.0	ug/kg	100	ND	97.8	75-125	0.205	20	
1,1-Dichloroethene	120	5.0	"	100	ND	120	75-125	3.73	20	
Trichloroethene	93.8	5.0	"	100	ND	93.8	75-125	1.07	20	
Benzene	96.2	5.0	"	100	ND	96.2	75-125	0.156	20	
Toluene	91.8	5.0	"	100	ND	91.8	75-125	1.19	20	
Surrogate: Toluene-d8	*34.6*		*"*	*40.0*		*86.6*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*31.8*		*"*	*40.0*		*79.4*	*81.2-123*			*S-GC*
Surrogate: Dibromofluoromethane	*29.5*		*"*	*40.0*		*73.8*	*95.7-135*			*S-GC*

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Wendy Hsiao For Daniel Chavez, Project Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:03

Notes and Definitions

S-Hi1	Surrogate recovery was high in QC and corresponding samples. Sample results were non-detect. Data was not negatively effected.
S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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Wendy Hsiao

Wendy Hsiao For Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Gribi Associates

Address:

Phone: Fax:

Project Manager: J Gribi

Date: 8/9/12 Page: 1 Of 1

Project Name: Maz Glass

Collector: J Gribi Client Project #:

Batch #: T121356 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only + TPH-G	8270	8021 BTEX	8015M (gasoline)	8015M (diesel) / Motor Oil	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Luft 5 Metals				Laboratory ID #	Comments/Preservative	Total # of containers
SP-1.1 (COMP)	8/9/12	1108	Soil	Sleeve														01		
SP-1.2	"	1110	"	"			X				X			X				02		
SP-1.3	"	1115	"	"														03		

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	8/9/12 1310		8/9/12
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
GSO	8-10-12 10:15		8-10-12 10:15

Total # of containers 10

Chain of Custody seals Y/N/NA

Seals intact? Y/N/NA

Received good condition/cold

Turn around time: Results by 8/14 (no such)

Notes
STD. TAT
8-10-12

BC

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 101028

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

SAMPLE RECEIVING REVIEW SHEET

BATCH # T121356

Client Name: GRIBI Project: MAZ GLASS

Received by: BRIAN Date/Time Received: 8.10.12 10:15

Delivered by : ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other _____

Total number of coolers received 1 **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 _____°C +/- the CF (- 0.2°C) = _____°C corrected temperature

cooler #2 _____°C +/- the CF (- 0.2°C) = _____°C corrected temperature

cooler #3 _____°C +/- the CF (- 0.2°C) = _____°C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒Yes	☐No*	☐N/A
Custody Seals Intact on Cooler/Sample	☒Yes	☐No*	☐N/A
Sample Containers Intact	☒Yes	☐No*	
Sample labels match COC ID's	☒Yes	☐No*	
Total number of containers received match COC	☒Yes	☐No*	
Proper containers received for analyses requested on COC	☒Yes	☐No*	
Proper preservative indicated on COC/containers for analyses requested	☐Yes	☐No*	☒N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ **Yes** ☐ **No***

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date BC 8.10.12

Comments:

_____

_____

_____

_____

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15 August 2012

Jim Gribi
Gribi Associates
1090 Adam Street, Suite K
Benicia, CA 94510

RE: Maz Glass

Enclosed are the results of analyses for samples received by the laboratory on 08/10/12 10:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wendy Hsiao For Daniel Chavez
Project Manager

SunStar Laboratories, Inc.
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Lake Forest, California 92630
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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T-1-W	T121358-01	Soil	08/09/12 10:45	08/10/12 10:15
T-1-E	T121358-02	Soil	08/09/12 10:55	08/10/12 10:15
T-1-S	T121358-03	Soil	08/09/12 11:00	08/10/12 10:15
T-1-N	T121358-04	Soil	08/09/12 11:05	08/10/12 10:15

SunStar Laboratories, Inc.

Wendy Hsiao For Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-W
T121358-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*135 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Cadmium	ND	2.0	mg/kg	1	2081010	08/10/12	08/13/12	EPA 6010B	
Chromium	**30**	2.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Nickel	**40**	2.0	"	"	"	"	"	"	
Zinc	**67**	1.0	"	"	"	"	"	"	
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	2081008	08/10/12	08/13/12	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*54.4 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Wendy Hsiao For Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-W

T121358-01 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroform	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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Wendy Hsiao For Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-W

T121358-01 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tetrachloroethene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*83.6 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*89.2 %*	*85.5-116*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-W

T121358-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Semivolatile Organic Compounds by EPA Method 8270C									
Creosote	ND	300	ug/kg	1	2081014	08/10/12	08/13/12	EPA 8270C	
Acenaphthene	ND	10	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*55.5 %*	*14.3-83.1*		"	"	"	"	
Surrogate: Phenol-d6		*51.8 %*	*12-95.6*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*66.2 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*65.3 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*37.4 %*	*18.1-101*		"	"	"	"	
Surrogate: Terphenyl-dl4		*108 %*	*29.1-130*		"	"	"	"	
PAH compounds by Semivolatile GCMS									
Pentachlorophenol	ND	1000	ug/kg	1	2081014	"	08/13/12	EPA 8270C	
Acenaphthene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		*89.0 %*	*29.1-130*		"	"	"	"	

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Wendy Hsiao For Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-E

T121358-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*133 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Cadmium	ND	2.0	mg/kg	1	2081010	08/10/12	08/13/12	EPA 6010B	
Chromium	**27**	2.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Nickel	**37**	2.0	"	"	"	"	"	"	
Zinc	**100**	1.0	"	"	"	"	"	"	
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	2081008	08/10/12	08/13/12	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*59.8 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-E

T121358-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroform	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-E

T121358-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tetrachloroethene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.2 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*80.5 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*86.6 %*	*85.5-116*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-E

T121358-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Semivolatile Organic Compounds by EPA Method 8270C									
Creosote	ND	300	ug/kg	1	2081014	08/10/12	08/13/12	EPA 8270C	
Acenaphthene	ND	10	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*49.3 %*	*14.3-83.1*		"	"	"	"	
Surrogate: Phenol-d6		*47.2 %*	*12-95.6*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*57.1 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*60.3 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*51.2 %*	*18.1-101*		"	"	"	"	
Surrogate: Terphenyl-dl4		*80.5 %*	*29.1-130*		"	"	"	"	
PAH compounds by Semivolatile GCMS									
Pentachlorophenol	ND	1000	ug/kg	1	2081014	"	08/13/12	EPA 8270C	
Acenaphthene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Surrogate: Terphenyl-dl4		*80.5 %*	*29.1-130*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-S

T121358-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*133 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*87.8 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*82.9 %*	*95.7-135*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

T-1-N

T121358-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	2081007	08/10/12	08/13/12	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*139 %*	*65-135*		"	"	"	"	*S-Hi1*
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	2081018	08/10/12	08/15/12	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	**520**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*90.2 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*87.0 %*	*95.7-135*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081007 - EPA 3550B GC										
Blank (2081007-BLK1)				Prepared: 08/10/12 Analyzed: 08/13/12						
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*169*		*"*	*100*		*169*	*65-135*			*S-Hi1*
LCS (2081007-BS1)				Prepared: 08/10/12 Analyzed: 08/13/12						
C13-C28 (DRO)	480	10	mg/kg	500		95.3	75-125			
Surrogate: p-Terphenyl	*135*		*"*	*100*		*135*	*65-135*			
Matrix Spike (2081007-MS1)	**Source: T121356-04**			Prepared: 08/10/12 Analyzed: 08/13/12						
C13-C28 (DRO)	490	10	mg/kg	500	ND	97.2	75-125			
Surrogate: p-Terphenyl	*132*		*"*	*100*		*132*	*65-135*			
Matrix Spike Dup (2081007-MSD1)	**Source: T121356-04**			Prepared: 08/10/12 Analyzed: 08/13/12						
C13-C28 (DRO)	490	10	mg/kg	500	ND	97.8	75-125	0.659	20	
Surrogate: p-Terphenyl	*133*		*"*	*100*		*133*	*65-135*			

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081010 - EPA 3051										
Blank (2081010-BLK1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Cadmium	ND	2.0	mg/kg							
Chromium	ND	2.0	"							
Lead	ND	3.0	"							
Nickel	ND	2.0	"							
Zinc	ND	1.0	"							
LCS (2081010-BS1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Cadmium	94.3	2.0	mg/kg	100		94.3	75-125			
Chromium	95.0	2.0	"	100		95.0	75-125			
Lead	96.8	3.0	"	100		96.8	75-125			
Matrix Spike (2081010-MS1)	**Source: T121364-05**			Prepared: 08/10/12 Analyzed: 08/13/12						
Cadmium	87.3	2.0	mg/kg	100	1.94	85.3	75-125			
Chromium	105	2.0	"	100	16.3	89.0	75-125			
Lead	92.9	3.0	"	100	ND	92.9	75-125			
Matrix Spike Dup (2081010-MSD1)	**Source: T121364-05**			Prepared: 08/10/12 Analyzed: 08/13/12						
Cadmium	85.3	2.0	mg/kg	100	1.94	83.4	75-125	2.26	20	
Chromium	102	2.0	"	100	16.3	85.7	75-125	3.18	20	
Lead	90.8	3.0	"	100	ND	90.8	75-125	2.19	20	

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Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081008 - EPA 3550 ECD/GCMS										
Blank (2081008-BLK1)				Prepared: 08/10/12 Analyzed: 08/13/12						
PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	*6.02*		*"*	*10.0*		*60.2*	*35-140*			
LCS (2081008-BS1)				Prepared: 08/10/12 Analyzed: 08/13/12						
PCB-1016	75.7	10	ug/kg	100		75.7	40-130			
PCB-1260	76.0	10	"	100		76.0	40-130			
Surrogate: Tetrachloro-meta-xylene	*6.97*		*"*	*10.0*		*69.7*	*35-140*			
Matrix Spike (2081008-MS1)		**Source: T121358-01**		Prepared: 08/10/12 Analyzed: 08/13/12						
PCB-1016	56.6	10	ug/kg	100	ND	56.6	40-130			
PCB-1260	60.8	10	"	100	ND	60.8	40-130			
Surrogate: Tetrachloro-meta-xylene	*5.07*		*"*	*10.0*		*50.7*	*35-140*			
Matrix Spike Dup (2081008-MSD1)		**Source: T121358-01**		Prepared: 08/10/12 Analyzed: 08/13/12						
PCB-1016	73.3	10	ug/kg	100	ND	73.3	40-130	25.7	30	
PCB-1260	60.7	10	"	100	ND	60.7	40-130	0.272	30	
Surrogate: Tetrachloro-meta-xylene	*5.80*		*"*	*10.0*		*58.0*	*35-140*			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081018 - EPA 5030 GCMS										
Blank (2081018-BLK1)				Prepared: 08/10/12 Analyzed: 08/15/12						
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081018 - EPA 5030 GCMS										
Blank (2081018-BLK1)				Prepared: 08/10/12 Analyzed: 08/15/12						
p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
C6-C12 (GRO)	ND	500	"							

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081018 - EPA 5030 GCMS										
Blank (2081018-BLK1)				Prepared: 08/10/12 Analyzed: 08/15/12						
Surrogate: Toluene-d8	*33.8*		*ug/kg*	*40.0*		*84.6*	*85.5-116*			*S-GC*
Surrogate: 4-Bromofluorobenzene	*35.1*		*"*	*40.0*		*87.8*	*81.2-123*			
Surrogate: 4-Bromofluorobenzene	*35.1*		*"*	*40.0*		*87.8*	*81.2-123*			
Surrogate: Dibromofluoromethane	*30.6*		*"*	*40.0*		*76.4*	*95.7-135*			*S-GC*
Surrogate: Dibromofluoromethane	*30.6*		*"*	*40.0*		*76.4*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*33.8*		*"*	*40.0*		*84.6*	*85.5-116*			*S-GC*
LCS (2081018-BS1)				Prepared: 08/10/12 Analyzed: 08/15/12						
Chlorobenzene	99.6	5.0	ug/kg	100		99.6	75-125			
Chlorobenzene	99.6	5.0	"	100		99.6	75-125			
1,1-Dichloroethene	119	5.0	"	100		119	75-125			
1,1-Dichloroethene	119	5.0	"	100		119	75-125			
Trichloroethene	117	5.0	"	100		117	75-125			
Trichloroethene	117	5.0	"	100		117	75-125			
Benzene	99.4	5.0	"	100		99.4	75-125			
Benzene	99.4	5.0	"	100		99.4	75-125			
Toluene	94.2	5.0	"	100		94.2	75-125			
Toluene	94.2	5.0	"	100		94.2	75-125			
Surrogate: Toluene-d8	*37.0*		*"*	*40.0*		*92.4*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*31.8*		*"*	*40.0*		*79.6*	*81.2-123*			*S-GC*
Surrogate: 4-Bromofluorobenzene	*31.8*		*"*	*40.0*		*79.6*	*81.2-123*			*S-GC*
Surrogate: Dibromofluoromethane	*30.3*		*"*	*40.0*		*75.8*	*95.7-135*			*S-GC*
Surrogate: Dibromofluoromethane	*30.3*		*"*	*40.0*		*75.8*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*37.0*		*"*	*40.0*		*92.4*	*85.5-116*			
Matrix Spike (2081018-MS1)		**Source: T121358-01**		Prepared: 08/10/12 Analyzed: 08/15/12						
Chlorobenzene	97.6	5.0	ug/kg	100	ND	97.6	75-125			
Chlorobenzene	97.6	5.0	"	100	ND	97.6	75-125			
1,1-Dichloroethene	116	5.0	"	100	ND	116	75-125			
1,1-Dichloroethene	116	5.0	"	100	ND	116	75-125			
Trichloroethene	92.8	5.0	"	100	ND	92.8	75-125			
Trichloroethene	92.8	5.0	"	100	ND	92.8	75-125			
Benzene	96.3	5.0	"	100	ND	96.3	75-125			
Benzene	96.3	5.0	"	100	ND	96.3	75-125			
Toluene	92.8	5.0	"	100	ND	92.8	75-125			
Toluene	92.8	5.0	"	100	ND	92.8	75-125			

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081018 - EPA 5030 GCMS										
Matrix Spike (2081018-MS1)	**Source: T121358-01**			Prepared: 08/10/12		Analyzed: 08/15/12				
Surrogate: Toluene-d8	*35.2*		*ug/kg*	*40.0*		*88.0*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*32.6*		*"*	*40.0*		*81.6*	*81.2-123*			
Surrogate: 4-Bromofluorobenzene	*32.6*		*"*	*40.0*		*81.6*	*81.2-123*			
Surrogate: Dibromofluoromethane	*29.2*		*"*	*40.0*		*73.0*	*95.7-135*			*S-GC*
Surrogate: Dibromofluoromethane	*29.2*		*"*	*40.0*		*73.0*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*35.2*		*"*	*40.0*		*88.0*	*85.5-116*			
Matrix Spike Dup (2081018-MSD1)	**Source: T121358-01**			Prepared: 08/10/12		Analyzed: 08/15/12				
Chlorobenzene	97.8	5.0	ug/kg	100	ND	97.8	75-125	0.205	20	
Chlorobenzene	97.8	5.0	"	100	ND	97.8	75-125	0.205	20	
1,1-Dichloroethene	120	5.0	"	100	ND	120	75-125	3.73	20	
1,1-Dichloroethene	120	5.0	"	100	ND	120	75-125	3.73	20	
Trichloroethene	93.8	5.0	"	100	ND	93.8	75-125	1.07	20	
Trichloroethene	93.8	5.0	"	100	ND	93.8	75-125	1.07	20	
Benzene	96.2	5.0	"	100	ND	96.2	75-125	0.156	20	
Benzene	96.2	5.0	"	100	ND	96.2	75-125	0.156	20	
Toluene	91.8	5.0	"	100	ND	91.8	75-125	1.19	20	
Toluene	91.8	5.0	"	100	ND	91.8	75-125	1.19	20	
Surrogate: Toluene-d8	*34.6*		*"*	*40.0*		*86.6*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*31.8*		*"*	*40.0*		*79.4*	*81.2-123*			*S-GC*
Surrogate: 4-Bromofluorobenzene	*31.8*		*"*	*40.0*		*79.4*	*81.2-123*			*S-GC*
Surrogate: Dibromofluoromethane	*29.5*		*"*	*40.0*		*73.8*	*95.7-135*			*S-GC*
Surrogate: Dibromofluoromethane	*29.5*		*"*	*40.0*		*73.8*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*34.6*		*"*	*40.0*		*86.6*	*85.5-116*			

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081014 - EPA 3550 ECD/GCMS										
Blank (2081014-BLK1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Creosote	ND	300	ug/kg							
Acenaphthene	ND	10	"							
Pyrene	ND	10	"							
Surrogate: 2-Fluorophenol	*732*		"	*1670*		*43.9*	*14.3-83.1*			
Surrogate: Phenol-d6	*876*		"	*1670*		*52.5*	*12-95.6*			
Surrogate: Nitrobenzene-d5	*1110*		"	*1670*		*66.6*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*1080*		"	*1670*		*64.8*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*647*		"	*1670*		*38.8*	*18.1-101*			
Surrogate: Terphenyl-dl4	*1570*		"	*1670*		*94.5*	*29.1-130*			
LCS (2081014-BS1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Creosote	ND	300	ug/kg				75-125			
Acenaphthene	1050	10	"	1670		62.9	46-118			
Pyrene	1100	10	"	1670		66.1	26-127			
Surrogate: 2-Fluorophenol	*801*		"	*1670*		*48.1*	*14.3-83.1*			
Surrogate: Phenol-d6	*785*		"	*1670*		*47.1*	*12-95.6*			
Surrogate: Nitrobenzene-d5	*943*		"	*1670*		*56.6*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*919*		"	*1670*		*55.1*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*839*		"	*1670*		*50.4*	*18.1-101*			
Surrogate: Terphenyl-dl4	*1060*		"	*1670*		*63.5*	*29.1-130*			
LCS Dup (2081014-BSD1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Creosote	ND	300	ug/kg				75-125		20	
Acenaphthene	1160	10	"	1670		69.7	46-118	10.3	31	
Pyrene	1270	10	"	1670		76.1	26-127	14.0	31	
Surrogate: 2-Fluorophenol	*877*		"	*1670*		*52.6*	*14.3-83.1*			
Surrogate: Phenol-d6	*897*		"	*1670*		*53.8*	*12-95.6*			
Surrogate: Nitrobenzene-d5	*1080*		"	*1670*		*64.5*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*1050*		"	*1670*		*63.1*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*965*		"	*1670*		*57.9*	*18.1-101*			
Surrogate: Terphenyl-dl4	*1280*		"	*1670*		*76.5*	*29.1-130*			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Wendy Hsiao For Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

PAH compounds by Semivolatile GCMS - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2081014 - EPA 3550 ECD/GCMS										
Blank (2081014-BLK1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Pentachlorophenol	ND	1000	ug/kg							
Acenaphthene	ND	300	"							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Naphthalene	ND	300	"							
Phenanthrene	ND	300	"							
Pyrene	ND	300	"							
Surrogate: Terphenyl-dl4	*1550*		*"*	*1670*		*93.0*	*29.1-130*			
LCS (2081014-BS1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Pentachlorophenol	778	1000	ug/kg	1670		46.7	8.05-120			
Acenaphthene	1050	300	"	1670		62.9	38.9-79.4			
Pyrene	1100	300	"	1670		66.1	25-85.2			
Surrogate: Terphenyl-dl4	*1060*		*"*	*1670*		*63.5*	*29.1-130*			
LCS Dup (2081014-BSD1)				Prepared: 08/10/12 Analyzed: 08/13/12						
Pentachlorophenol	845	1000	ug/kg	1670		50.7	8.05-120	8.17	50	
Acenaphthene	1160	300	"	1670		69.7	38.9-79.4	10.3	31	
Pyrene	1270	300	"	1670		76.1	25-85.2	14.0	31	
Surrogate: Terphenyl-dl4	*1280*		*"*	*1670*		*76.5*	*29.1-130*			

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Wendy Hsiao For Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	08/15/12 17:00

Notes and Definitions

S-Hi1	Surrogate recovery was high in QC and corresponding samples. Sample results were non-detect. Data was not negatively effected.
S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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Wendy Hsiao For Daniel Chavez, Project Manager

Chain of Custody Record

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Client: Gribi Associates
Address:
Phone: Fax:
Project Manager: J Gribi

Date: 8/9/12 Page: 1 Of 1
Project Name: Maz Glass
Collector: J Gribi Client Project #:
Batch #: T121358 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 ALL+TPH-G+OXY	8260 + OXY	8260 BTEX, OXY only + TPH-G	8270 PCB, PCP, PNA, Creosote	8021 BTEX	8015M (gasoline)	8015M (diesel)/MO	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	LUFT 5 Mtls (Cd, Cr, Pb, Ni, Zn)			Laboratory ID #	Comments/Preservative	Total # of containers
T-1-W	8/9/12	1045	SOIL	BT	X			X			X			X			01		
T-1-E		1055			X			X			X			X			02		
T-1-S		1100					X				X						03		
T-1-N		1105					X				X						04		

Relinquished by: (signature)	Date / Time 8/9/12 1305	Received by: (signature)	Date / Time 8.9.12
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature) 8.10.12 10:15	Date / Time	Received by: (signature) 8.10.12	Date / Time 10:15

2°

Total # of containers	4
Chain of Custody seals Y/N/NA	Y
Seals intact? Y/N/NA	Y
Received good condition/cold	2.4

Turn around time: Results

Notes
STD. TAT
8.10.12
BC
by 8/14 (No Surch)

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 91948

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

SAMPLE RECEIVING REVIEW SHEET

BATCH # 712358

Client Name: GRIBI

Project: MAZ GLASS

Received by: BRIAN

Date/Time Received: 8.10.12 10:15

Delivered by : ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other

Total number of coolers received 1

Temp criteria = 6°C > 0°C (no frozen containers)

Temperature: cooler #1 2.6 °C +/- the CF (- 0.2°C) = 2.4 °C corrected temperature

cooler #2 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

cooler #3 _____ °C +/- the CF (- 0.2°C) = _____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒ Yes	☐ No*	☐ N/A
Custody Seals Intact on Cooler/Sample	☒ Yes	☐ No*	☐ N/A
Sample Containers Intact	☒ Yes	☐ No*	
Sample labels match COC ID's	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☐ Yes	☐ No*	☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ **Yes** ☐ **No***

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date BC 8.10.12

Comments: