DOCKETED

Docket Number:	08-AFC-10C
Project Title:	Lodi Energy Center Project
TN #:	202663
Document Title:	Lodi Energy Center's Responses to Staff Query 1 - Water Resources
Description:	N/A
Filer:	Sarah Madams
Organization:	CH2M HILL
Submitter Role:	Applicant Consultant
Submission Date:	7/2/2014 11:02:55 AM
Docketed Date:	7/2/2014

CH2M HILL
2485 Natomas Park Drive
Suite 600
Sacramento, CA
95833-2937
Tel: 916.920.0300
Fax: 916.920.8463

July 2, 2014

Ms. Christine Stora
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: Lodi Energy Center (08-AFC-10C) Petition to Amend #4
Staff Query 1– Water Resources

Dear Ms. Stora:

As requested, please find responses to CEC Staff requests associated with the Lodi Energy Center (08-AFC-10C) submitted on June 3, 2014.

1. *How does the composition of the LEC discharge compare to the STIG discharge?*

   Response: Attachment 1 provides the sampling analysis for the LEC discharge and Attachment 2 provides the sampling analysis for the STIG discharge. Both discharges are comparable in composition.

2. *Is there a concern that LEC discharge may not comply with WPCF requirements?*

   Response: As the sampling analysis for the LEC discharge is comparable to that of the STIG discharge, a combined stream of both is anticipated to be well below the WPCF requirements provided in Appendix A of the Petition to Amend.

If you have any questions about this matter, please contact me at (916) 286-0249.

Sincerely,

CH2M HILL

Sarah Madams
PTA Project Manager

cc: M. Debortoli, NCPA
V. Venethongkham, NCPA

Attachment 1 LEC Discharge Sampling Analysis

PRECISION ENVIRO-TECH Analytical Laboratory

CERTIFICATE OF ANALYSIS

Thursday, March 20, 2014

Attention: Vinnie Venethongkham

NORTHERN CALIFORNIA POWER AGENCY

P.O. BOX 1478

Lodi, CA 95242

Metals by EPA 200 Series Methods

Sample Information

Sample ID: Lec Injection Well
Laboratory ID: 4030510-01
Date/Time Sampled: 05-Mar-14 13:21 by Don Ngo
Sample Type: Grab
Project Name: LEC INJECTION WELL - Quarterly
Sample Matrix: Waste Water

Test Parameter	*Result*	*DLR*	*Unit*	*Dilution*	*Batch*	*Prepared*	*Analysis Date*	*Method*	*Notes*
Silver	ND	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Arsenic	ND	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Boron	0.50	0.10	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Barium	0.212	0.0500	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Cadmium	ND	0.00500	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Chromium	ND	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Copper	ND	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Total Hardness as CaCO3	920	4.2	mg/L	1	[CALC]	12-Mar-14	12-Mar-14	Calc.	
Calcium Hardness	660	0.12	mg/L	1	[CALC]	12-Mar-14	12-Mar-14	Calc.	
Mercury	ND	0.000200	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Manganese	0.0426	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Molybdenum	0.0347	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Nickel	0.0235	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Lead	ND	0.00500	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Selenium	ND	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Vanadium	0.0344	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Zinc	0.113	0.0100	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	

mg/L = milligrams per Liter = ppm
ug/L = micrograms per Liter = ppb

DLR = Detection Limit for Purpose of Reporting. Exceptional sample matrices or interferences may result in higher detection limits.

RESPECTFULLY SUBMITTED,

Jonathan Le For Jonathan HV Le, Laboratory Director

3935 N. Coronado Ave Stockton CA. 95204 phone: (209) 477-8105 Fax: (209) 546-7497

PRECISION ENVIRO-TECH
Analytical Laboratory

CERTIFICATE OF ANALYSIS

Thursday, March 20, 2014

Attention: Vinnie Venethongkham

NORTHERN CALIFORNIA POWER AGENCY
P.O. BOX 1478
Lodi, CA 95242

Purgeables by EPA Method 624

Sample Information

Sample ID: Lec Injection Well
Laboratory ID: 4030510-01
Date/Time Sampled: 05-Mar-14 13:21 by Don Ngo
Sample Type: Grab
Project Name: LEC INJECTION WELL - Quarterl
Sample Matrix: Waste Water

Test Parameter	*Result*	*DLR*	*Unit*	*Dilution*	*Batch*	*Prepared*	*Analysis Date*	*Method*	*Notes*
1,1,1-Trichloroethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
1,1,2,2-Tetrachloroethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
1,1,2-Trichloroethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
1,1-Dichloroethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
1,1-Dichloroethene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
1,2-Dichlorobenzene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
1,2-Dichloroethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
1,2-Dichloropropane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
1,3-Dichlorobenzene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
1,4-Dichlorobenzene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
2-Chloroethylvinyl ether	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
2-Butanone	ND	10.0	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
2-Hexanone	ND	10.0	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
4-Methyl-2-pentanone	ND	10.0	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Acetone	ND	20.0	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Benzene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Bromodichloromethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Bromoform	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Bromomethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Carbon disulfide	ND	10.0	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Carbon tetrachloride	ND	2.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Chlorobenzene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Chloroethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Chloroform	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Chloromethane	ND	5.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
cis-1,3-Dichloropropene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Dibromochloromethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Ethylbenzene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Iodomethane	ND	10.0	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	

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RESPECTFULLY SUBMITTED,

Jonathan Le For Jonathan HV Le, Laboratory Director

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PRECISION ENVIRO-TECH
Analytical Laboratory

CERTIFICATE OF ANALYSIS

Thursday, March 20, 2014

Attention: Vinnie Venethongkham
NORTHERN CALIFORNIA POWER AGENCY
P.O. BOX 1478
Lodi, CA 95242

Purgeables by EPA Method 624

Sample Information

Sample ID: Lec Injection Well
Laboratory ID: 4030510-01
Date/Time Sampled: 05-Mar-14 13:21 by Don Ngo
Sample Type: Grab
Project Name: LEC INJECTION WELL - Quarterly
Sample Matrix: Waste Water

Test Parameter	*Result*	*DLR*	*Unit*	*Dilution*	*Batch*	*Prepared*	*Analysis Date*	*Method*	*Notes*
Methylene chloride	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Tetrachloroethene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Toluene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
trans-1,2-Dichloroethene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
trans-1,3-Dichloropropene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Trichloroethene	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Trichlorofluoromethane	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Vinyl acetate	ND	10.0	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Vinyl chloride	ND	3.00	ug/l	1	AC40602	06-Mar-14	06-Mar-14	EPA 624	
Surrogate: Dibromofluoromethane		*100 %*		*75-125*					
Surrogate: Toluene-d8		*109 %*		*75-125*					
Surrogate: 4-Bromofluorobenzene		*103 %*		*75-125*					

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Analytical Laboratory

CERTIFICATE OF ANALYSIS

Thursday, March 20, 2014

Attention: Vinnie Venethongkham

NORTHERN CALIFORNIA POWER AGENCY
P.O. BOX 1478
Lodi, CA 95242

Conventional Chemistry Parameters by APHA/EPA Methods

Sample Information

Sample ID: Lec Injection Well
Laboratory ID: 4030510-01
Date/Time Sampled: 05-Mar-14 13:21 by Don Ngo
Sample Type: Grab
Project Name: LEC INJECTION WELL - Quarterly
Sample Matrix: Waste Water

Test Parameter	*Result*	*DLR*	*Unit*	*Dilution*	*Batch*	*Prepared*	*Analysis Date*	*Method*	*Notes*
Total Alkalinity	105	1.00	mg/L	1	AC40524	05-Mar-14	05-Mar-14	SM2320B	
Hydroxide Alkalinity	ND	1.00	mg/L	1	AC40524	05-Mar-14	05-Mar-14	SM2320B	
Bicarbonate Alkalinity	128	1.00	mg/L	1	AC40524	05-Mar-14	05-Mar-14	SM2320B	
Carbonate Alkalinity	ND	1.00	mg/L	1	AC40524	05-Mar-14	05-Mar-14	SM2320B	
Biochemical Oxygen Demand	9.00	2.00	mg/L	1	AC40603	06-Mar-14	06-Mar-14	SM 5210 B-2001	
Calcium	270	0.050	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Chloride	489	1.00	mg/L	1	AC40523	05-Mar-14	05-Mar-14	EPA 300.0	
Specific Conductance (EC)	3510	4.00	umhos/cm	1	AC40524	05-Mar-14	05-Mar-14	SM2510B	
Cyanide (total)	ND	0.0100	mg/L	1	AC40531	05-Mar-14	05-Mar-14	EPA 335.4	
Fluoride	ND	0.100	mg/L	1	AC40523	05-Mar-14	05-Mar-14	EPA 300.0	
Potassium	93.5	1.00	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Magnesium	63.1	1.00	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Sodium	532	1.00	mg/L	1	AC41216	12-Mar-14	12-Mar-14	EPA 200.8	
Nitrate as N	13.3	0.200	mg/L	1	AC40523	05-Mar-14	05-Mar-14	EPA 300.0	
pH	7.99	0.0100	pH Units	1	AC40524	05-Mar-14	05-Mar-14	SM4500H B-2000	
Phenolics	ND	0.0500	mg/L	1	AC40532	05-Mar-14	05-Mar-14	EPA 420.1	
Silica (SiO2)	43.0	0.100	mg/L	1	AC40616	06-Mar-14	06-Mar-14	SM4500-SiO2 D	
Total Dissolved Solids	2600	1.00	mg/L	1	AC40814	08-Mar-14	08-Mar-14	SM 2540 C-1997	
Total Suspended Solids	13	1.0	mg/L	1	AC40522	05-Mar-14	05-Mar-14	SM2540D	
Specific Gravity	1.011		g/ml	1	AC40527	05-Mar-14	05-Mar-14	SM 2710 F	
Sulfate as SO4	1140	1.00	mg/L	1	AC40523	05-Mar-14	05-Mar-14	EPA 300.0	

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Jonathan Le For Jonathan HV Le, Laboratory Director

3933 N. Coronado Ave Stockton CA. 95204 phone: (209) 477-8105 Fax: (209) 546-7497

PRECISION ENVIRO-TECH
Analytical Laboratory

CERTIFICATE OF ANALYSIS

Thursday, March 20, 2014

Attention: Vinnie Venethongkham

NORTHERN CALIFORNIA POWER AGENCY
P.O. BOX 1478
Lodi, CA 95242

Metals by EPA 200 Series Methods - Quality Control

Precision Enviro-Tech

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC41216 - EPA 3020A										
Blank (AC41216-BLK1)				Prepared & Analyzed: 12-Mar-14						
Mercury	ND	0.000200	mg/L							
Boron	ND	0.10	"							
Lead	ND	0.00500	"							
Barium	ND	0.0500	"							
Vanadium	ND	0.0100	"							
Zinc	ND	0.0100	"							
LCS (AC41216-BS1)				Prepared & Analyzed: 12-Mar-14						
Mercury	0.0135	0.000200	mg/L				89-108			
Lead	0.0982	0.00500	"	0.100		98	85-115			
Cadmium	0.107	0.00500	"	0.100		107	85-115			
Barium	0.104	0.0500	"	0.100		104	75-125			
Boron	1.1	0.10	"	1.00		110	85-115			
Copper	0.106	0.0100	"	0.100		106	75-125			
Manganese	0.106	0.0100	"	0.100		106	85-115			
Nickel	0.107	0.0100	"	0.100		107	70-125			
Silver	0.104	0.0100	"	0.100		104	70-120			
Chromium	0.105	0.0100	"	0.100		105	75-125			
Zinc	0.111	0.0100	"	0.100		111	75-125			
Molybdenum	0.108	0.0100	"	0.100		108	75-125			
Vanadium	0.106	0.0100	"	0.100		106	75-125			
Selenium	0.539	0.0100	"	0.500		108	75-125			
Arsenic	0.109	0.0100	"	0.100		109	80-125			
Calibration Blank (AC41216-CCB1)				Prepared & Analyzed: 12-Mar-14						
Boron	0.0		mg/L							
Calibration Check (AC41216-CCV1)				Prepared & Analyzed: 12-Mar-14						
Boron	ND	0.10	mg/L				80-120			

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P.O. BOX 1478
Lodi, CA 95242

Metals by EPA 200 Series Methods - Quality Control

Precision Enviro-Tech

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC41216 - EPA 3020A										
Matrix Spike (AC41216-MS1)	**Source: 4030423-01**			Prepared & Analyzed: 12-Mar-14						
Mercury	ND	0.000200	mg/L		ND		75-125			
Lead	0.107	0.00500	"	0.100	ND	107	75-125			
Cadmium	0.0978	0.00500	"	0.100		98	75-125			
Barium	0.144	0.0500	"	0.100	0.0470	97	75-125			
Chromium	0.111	0.0100	"	0.100		111	75-125			
Zinc	0.130	0.0100	"	0.100	0.0550	75	75-125			
Copper	0.101	0.0100	"	0.100		101	75-125			
Vanadium	0.140	0.0100	"	0.100	0.0470	93	75-125			
Silver	0.0830	0.0100	"	0.100		83	70-125			
Manganese	0.114	0.0100	"	0.100		114	75-125			
Selenium	0.478	0.0100	"	0.500		96	75-125			
Nickel	0.102	0.0100	"	0.100		102	70-125			
Molybdenum	0.113	0.0100	"	0.100		113	75-125			
Arsenic	0.112	0.0100	"	0.100		112	80-125			
Matrix Spike Dup (AC41216-MSD1)	**Source: 4030423-01**			Prepared & Analyzed: 12-Mar-14						
Barium	0.145	0.0500	mg/L	0.100	0.0470	98	75-125	0.9	20	
Cadmium	0.0985	0.00500	"	0.100		98	75-125	0.6	20	
Mercury	ND	0.000200	"		ND		75-125		20	
Lead	0.108	0.00500	"	0.100	ND	108	75-125	0.5	20	
Silver	0.0873	0.0100	"	0.100		87	70-125	5	20	
Chromium	0.111	0.0100	"	0.100		111	75-125	0.09	20	
Nickel	0.100	0.0100	"	0.100		100	70-125	2	20	
Molybdenum	0.110	0.0100	"	0.100		110	75-125	3	20	
Zinc	0.140	0.0100	"	0.100	0.0550	85	75-125	7	20	
Manganese	0.115	0.0100	"	0.100		115	75-125	0.7	20	
Vanadium	0.141	0.0100	"	0.100	0.0470	94	75-125	0.8	20	
Copper	0.0991	0.0100	"	0.100		99	75-125	2	20	
Selenium	0.481	0.0100	"	0.500		96	75-125	0.5	20	
Arsenic	0.103	0.0100	"	0.100		103	80-125	8	20	

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NORTHERN CALIFORNIA POWER AGENCY
P.O. BOX 1478
Lodi, CA 95242

Purgeables by EPA Method 624 - Quality Control

Precision Enviro-Tech

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC40602 - Volatiles										
Blank (AC40602-BLK1)				Prepared & Analyzed: 06-Mar-14						
1,1,1-Trichloroethane	ND	3.00	ug/l							
1,1,2,2-Tetrachloroethane	ND	3.00	"							
1,1,2-Trichloroethane	ND	3.00	"							
1,1-Dichloroethane	ND	3.00	"							
1,1-Dichloroethene	ND	3.00	"							
1,2-Dichlorobenzene	ND	3.00	"							
1,2-Dichloroethane	ND	3.00	"							
1,2-Dichloropropane	ND	3.00	"							
1,3-Dichlorobenzene	ND	3.00	"							
1,4-Dichlorobenzene	ND	3.00	"							
2-Chloroethylvinyl ether	ND	3.00	"							
2-Butanone	ND	10.0	"							
2-Hexanone	ND	10.0	"							
4-Methyl-2-pentanone	ND	10.0	"							
Acetone	ND	20.0	"							
Benzene	ND	3.00	"							
Bromodichloromethane	ND	3.00	"							
Bromoform	ND	3.00	"							
Bromomethane	ND	3.00	"							
Carbon disulfide	ND	10.0	"							
Carbon tetrachloride	ND	2.00	"							
Chlorobenzene	ND	3.00	"							
Chloroethane	ND	3.00	"							
Chloroform	ND	3.00	"							
Chloromethane	ND	5.00	"							
cis-1,3-Dichloropropene	ND	3.00	"							
Dibromochloromethane	ND	3.00	"							
Ethylbenzene	ND	3.00	"							
Iodomethane	ND	10.0	"							
Methylene chloride	ND	3.00	"							
Tetrachloroethene	ND	3.00	"							
Toluene	ND	3.00	"							
trans-1,2-Dichloroethene	ND	3.00	"							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC40602 - Volatiles										
Blank (AC40602-BLK1)				Prepared & Analyzed: 06-Mar-14						
trans-1,3-Dichloropropene	ND	3.00	ug/l							
Trichloroethene	ND	3.00	"							
Trichlorofluoromethane	ND	3.00	"							
Vinyl acetate	ND	10.0	"							
Vinyl chloride	ND	3.00	"							
LCS (AC40602-BS1)				Prepared & Analyzed: 06-Mar-14						
1,1-Dichloroethene	46.2	3.00	ug/l	40.0		116	75-120			
Benzene	43.1	3.00	"	40.0		108	75-120			
Carbon tetrachloride	40.9	2.00	"	40.0		102	75-120			
Chlorobenzene	44.4	3.00	"	40.0		111	75-120			
Tetrachloroethene	41.0	3.00	"	40.0		103	75-120			
Toluene	41.4	3.00	"	40.0		103	75-120			
trans-1,3-Dichloropropene	45.7	3.00	"	40.0		114	75-120			
Trichloroethene	47.6	3.00	"	40.0		119	75-120			
Matrix Spike (AC40602-MS1)	**Source: 4030510-01**			Prepared & Analyzed: 06-Mar-14						
1,1-Dichloroethene	45.6	3.00	ug/l	40.0	ND	114	70-125			
Benzene	43.1	3.00	"	40.0	ND	108	70-125			
Carbon tetrachloride	42.8	2.00	"	40.0	ND	107	70-125			
Chlorobenzene	44.1	3.00	"	40.0	ND	110	70-125			
Tetrachloroethene	42.8	3.00	"	40.0	ND	107	70-125			
Toluene	42.0	3.00	"	40.0	ND	105	70-125			
trans-1,3-Dichloropropene	47.2	3.00	"	40.0	ND	118	70-125			
Trichloroethene	47.6	3.00	"	40.0	ND	119	70-125			
Matrix Spike Dup (AC40602-MSD1)	**Source: 4030510-01**			Prepared & Analyzed: 06-Mar-14						
1,1-Dichloroethene	42.5	3.00	ug/l	40.0	ND	106	70-125	7	20	
Benzene	41.2	3.00	"	40.0	ND	103	70-125	4	20	
Carbon tetrachloride	41.2	2.00	"	40.0	ND	103	70-125	4	20	
Chlorobenzene	43.6	3.00	"	40.0	ND	109	70-125	1	20	
Tetrachloroethene	50.1	3.00	"	40.0	ND	125	70-125	16	20	
Toluene	42.3	3.00	"	40.0	ND	106	70-125	0.7	20	
trans-1,3-Dichloropropene	46.9	3.00	"	40.0	ND	117	70-125	0.7	20	

mg/L = milligrams per Liter = ppm
ug/L = micrograms per Liter = ppb

DLR = Detection Limit for Purpose of Reporting. Exceptional sample matrices or interferences may result in higher detection limits.

RESPECTFULLY SUBMITTED,

Jonathan Le For Jonathan HV Le, Laboratory Director

PRECISION ENVIRO-TECH
Analytical Laboratory

CERTIFICATE OF ANALYSIS

Thursday, March 20, 2014

Attention: Vinnie Venethongkham

NORTHERN CALIFORNIA POWER AGENCY
P.O. BOX 1478
Lodi, CA 95242

Purgeables by EPA Method 624 - Quality Control

Precision Enviro-Tech

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC40602 - Volatiles										
Matrix Spike Dup (AC40602-MSD1)	**Source: 4030510-01**			Prepared & Analyzed: 06-Mar-14						
Trichloroethene	46.9	3.00	ug/l	40.0	ND	117	70-125	2	20	

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P.O. BOX 1478
Lodi, CA 95242

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Precision Enviro-Tech

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC40522 - General Preparation										
Blank (AC40522-BLK1)				Prepared & Analyzed: 05-Mar-14						
Total Suspended Solids	ND	1.0	mg/L							
LCS (AC40522-BS1)				Prepared & Analyzed: 05-Mar-14						
Total Suspended Solids	990	1.0	mg/L	1000		99	80-120			
Duplicate (AC40522-DUP1)	Source: 4030512-01			Prepared & Analyzed: 05-Mar-14						
Total Suspended Solids	23	1.0	mg/L		21			9	20	
Batch AC40523 - General Preparation										
Blank (AC40523-BLK1)				Prepared & Analyzed: 05-Mar-14						
Fluoride	ND	0.100	mg/L							
Chloride	ND	1.00	"							
Sulfate as SO4	ND	1.00	"							
Nitrate as N	ND	0.200	"							
LCS (AC40523-BS1)				Prepared & Analyzed: 05-Mar-14						
Sulfate as SO4	15.4	1.00	mg/L	15.0		103	70-120			
Fluoride	2.06	0.100	"	2.00		103	75-125			
Chloride	3.09	1.00	"	3.00		103	75-125			
Nitrate as N	3.09	0.200	"	3.00		103	90-110			
Calibration Blank (AC40523-CCB1)				Prepared & Analyzed: 05-Mar-14						
Sulfate as SO4	0.00		mg/L							
Chloride	0.00		"							
Fluoride	0.00		"							
Nitrate as N	0.00		"							

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Jonathan Le For Jonathan HV Le, Laboratory Director

PRECISION ENVIRO-TECH
Analytical Laboratory

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NORTHERN CALIFORNIA POWER AGENCY
P.O. BOX 1478
Lodi, CA 95242

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Precision Enviro-Tech

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC40523 - General Preparation										
Calibration Check (AC40523-CCV1)				Prepared & Analyzed: 05-Mar-14						
Chloride	3.16	1.00	mg/L	3.00		105	85-115			
Fluoride	2.04	0.100	"	2.00		102	85-115			
Sulfate as SO4	15.6	1.00	"	15.0		104	0-200			
Nitrate as N	3.11	0.200	"	3.00		104	85-115			
Matrix Spike (AC40523-MS1)		Source: 4030511-01		Prepared & Analyzed: 05-Mar-14						
Fluoride	1.66	0.100	mg/L	2.00	ND	83	70-130			
Chloride	96.1	1.00	"	3.00	126	NR	70-130			
Sulfate as SO4	35.9	1.00	"	15.0	26.3	64	70-125			
Nitrate as N	5.30	0.200	"	3.00	1.94	112	70-125			
Matrix Spike Dup (AC40523-MSD1)		Source: 4030511-01		Prepared & Analyzed: 05-Mar-14						
Chloride	96.7	1.00	mg/L	3.00	126	NR	70-130	0.5	20	
Fluoride	1.83	0.100	"	2.00	ND	91	70-130	9	20	
Sulfate as SO4	36.8	1.00	"	15.0	26.3	70	70-125	2	20	
Nitrate as N	5.45	0.200	"	3.00	1.94	117	70-125	3	20	
Batch AC40524 - General Preparation										
Reference (AC40524-SRM1)				Prepared & Analyzed: 05-Mar-14						
pH	7.79	0.0100	pH Units	7.79		100	95-105			
Reference (AC40524-SRM2)				Prepared & Analyzed: 05-Mar-14						
Specific Conductance (EC)	991	4.00	umhos/cm	1000		99	95-105			
Reference (AC40524-SRM3)				Prepared & Analyzed: 05-Mar-14						
Total Alkalinity	30.0	1.00	mg/L	25.0		120	85-120			
Hydroxide Alkalinity	ND	1.00	"	25.0			0-200			
Bicarbonate Alkalinity	37.0	1.00	"	25.0		148	0-200			
Carbonate Alkalinity	ND	1.00	"	25.0			0-200			

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RESPECTFULLY SUBMITTED,

Jonathan Le For Jonathan HV Le, Laboratory Director

PRECISION ENVIRO-TECH
Analytical Laboratory

CERTIFICATE OF ANALYSIS

Thursday, March 20, 2014

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P.O. BOX 1478
Lodi, CA 95242

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Precision Enviro-Tech

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC40531 - General Preparation										
Blank (AC40531-BLK1)				Prepared & Analyzed: 05-Mar-14						
Cyanide (total)	ND	0.0100	mg/L							
Batch AC40532 - General Preparation										
Blank (AC40532-BLK1)				Prepared & Analyzed: 05-Mar-14						
Phenolics	ND	0.0500	mg/L							
Batch AC40603 - General Preparation										
Blank (AC40603-BLK1)				Prepared & Analyzed: 06-Mar-14						
Biochemical Oxygen Demand	ND	2.00	mg/L							
LCS (AC40603-BS1)				Prepared & Analyzed: 06-Mar-14						
Biochemical Oxygen Demand	191	2.00	mg/L	198		96	80-120			
Duplicate (AC40603-DUP1)		**Source: 4030609-02**		Prepared & Analyzed: 06-Mar-14						
Biochemical Oxygen Demand	17.0	2.00	mg/L		17.0			0	20	
Batch AC40616 - General Preparation										
Blank (AC40616-BLK1)				Prepared & Analyzed: 06-Mar-14						
Silica (SiO2)	ND	0.100	mg/L							
LCS (AC40616-BS1)				Prepared & Analyzed: 06-Mar-14						
Silica (SiO2)	16.5	0.100	mg/L	17.1		96	70-115			

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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Precision Enviro-Tech

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC40616 - General Preparation										
Matrix Spike (AC40616-MS1)		**Source: 4030510-01**		Prepared & Analyzed: 06-Mar-14						
Silica (SiO2)	55.4	0.100	mg/L	17.1	43.0	72	70-125			
Matrix Spike Dup (AC40616-MSD1)		**Source: 4030510-01**		Prepared & Analyzed: 06-Mar-14						
Silica (SiO2)	57.0	0.100	mg/L	17.1	43.0	82	70-125	3	20	
Batch AC40814 - General Preparation										
Blank (AC40814-BLK1)				Prepared & Analyzed: 08-Mar-14						
Total Dissolved Solids	ND	1.00	mg/L							
LCS (AC40814-BS1)				Prepared & Analyzed: 08-Mar-14						
Total Dissolved Solids	386	1.00	mg/L	400		96	80-120			
Duplicate (AC40814-DUP1)		**Source: 4030703-01**		Prepared & Analyzed: 08-Mar-14						
Total Dissolved Solids	2640	1.00	mg/L		2600			2	200	
Batch AC41216 - EPA 3020A										
Blank (AC41216-BLK1)				Prepared & Analyzed: 12-Mar-14						
Calcium	ND	0.050	mg/L							
LCS (AC41216-BS1)				Prepared & Analyzed: 12-Mar-14						
Potassium	52.8	1.00	mg/L	50.0		106	85-125			
Magnesium	53.2	1.00	"	50.0		106	85-115			
Calcium	52.8	0.050	"	50.0		106	85-115			
Sodium	53.4	1.00	"	50.0		107	80-120			

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Lodi, CA 95242

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Precision Enviro-Tech

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AC41216 - EPA 3020A										
Matrix Spike (AC41216-MS1)	**Source: 4030423-01**			Prepared & Analyzed: 12-Mar-14						
Potassium	50.6	1.00	mg/L	50.0		101	70-125			
Calcium	71.1	0.050	"	50.0	23.2	96	70-125			
Magnesium	49.3	1.00	"	50.0		99	70-125			
Sodium	54.3	1.00	"	50.0		109	70-120			
Matrix Spike Dup (AC41216-MSD1)	**Source: 4030423-01**			Prepared & Analyzed: 12-Mar-14						
Calcium	71.5	0.050	mg/L	50.0	23.2	97	70-125	0.6	20	
Potassium	50.6	1.00	"	50.0		101	70-125	0.03	20	
Magnesium	49.4	1.00	"	50.0		99	70-125	0.2	20	
Sodium	54.2	1.00	"	50.0		108	70-120	0.07	20	

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ng/L = micrograms per Liter = ppb

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PRECISION ENVIRO-TECH
Analytical Laboratory

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Thursday, March 20, 2014

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NORTHERN CALIFORNIA POWER AGENCY
P.O. BOX 1478
Lodi, CA 95242

Notes and Definitions

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

mg/L = milligrams per Liter = ppm
ug/L = micrograms per Liter = ppb

DLR = Detection Limit for Purpose of Reporting.
Exceptional sample matrices or interferences may result in higher detection limits.

RESPECTFULLY SUBMITTED,

Jonathan Le For Jonathan HV Le, Laboratory Director

3935 N. Coronado Ave Stockton CA. 95204 phone: (209) 477-8105 Fax: (209) 546-7497

March 19, 2014

Precision Enviro-Tech
3935 N. Coronado
Stockton, CA 95240

Lab ID : STK1432068
Customer : 3-13102

Laboratory Report

Introduction: This report package contains total of 12 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(8 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
4030510-01	03/05/2014	03/06/2014	STK1432068-001	W

Sampling and Receipt Information: The sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Organic QC

625	03/17/2014:203908 All analysis quality controls are within established criteria, except: The following note applies to 4-Nitrophenol, Di-n-octylphthalate: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	03/10/2014:202685 All preparation quality controls are within established criteria, except: The following note applies to 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Fluorobiphenyl, 2,4-Dichlorophe: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. The following note applies to 3,3-Dichlorobenzidine, Di-n-butylphthalate, Di-n-octylphthalate: 310 LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. The following note applies to bis(2-Chloroisopropyl)ether: 320 LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

March 19, 2014 Lab ID : STK1432068
Precision Enviro-Tech Customer : 3-13102

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:CEA

Approved By **David Terz, B.A., M.B.A.** Digitally signed by David Terz, B.A., M.B.A.
Title: QA Director
Date: 2014-03-19

March 19, 2014

Lab ID : STK1432068-001
Customer ID : 3-13102

Precision Enviro-Tech
3935 N. Coronado
Stockton, CA 95240

Sampled On : March 5, 2014-13:21
Sampled By : Jonathan Le
Received On : March 6, 2014-10:15
Matrix : Water

Description : 4030510-01
Project : 4030510

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 625[AGT:1]								
2-Fluorobiphenyl‡	59.5	16-104	%		625	03/10/14:202685	625	03/17/14:203908
2-Fluorophenol‡	49.5	20-98	%		625	03/10/14:202685	625	03/17/14:203908
Nitrobenzene-d5‡	64.3	21-99	%		625	03/10/14:202685	625	03/17/14:203908
Phenol-d6‡	46.6	18-103	%		625	03/10/14:202685	625	03/17/14:203908
p-Terphenyl-d14‡	61.7	13-142	%		625	03/10/14:202685	625	03/17/14:203908
2,4,6-Tribromophenol‡	83.6	15-124	%		625	03/10/14:202685	625	03/17/14:203908
Acenaphthene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Acenaphthylene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Anthracene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzidine	ND	10	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(a)anthracene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(b)fluoranthene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(k)fluoranthene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(g,h,i)perylene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Benzo(a)pyrene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
4-Bromophenylphenylether	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Butylbenzylphthalate	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
bis(2-Chloroethoxy)methane	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
bis(2-Chloroethyl)ether	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
bis(2-Chloroisopropyl)ether	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
bis(2-Ethylhexyl)phthalate	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
4-Chloro-3-methylphenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
2-Chloronaphthalene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2-Chlorophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
4-Chlorophenylphenylether	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Chrysene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Dibenzo(a,h)anthracene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Di-n-butylphthalate	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,2-Dichlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,3-Dichlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,4-Dichlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
3,3'-Dichlorobenzidine	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4-Dichlorophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
Diethylphthalate	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4-Dimethylphenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908

Corporate Offices & Laboratory
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Stockton, CA 95215
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Office & Laboratory
3442 Empresa Drive, Suite D
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TEL: (805)783-2940
FAX: (805)783-2912
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Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

March 19, 2014
Description : 4030510-01

Lab ID : STK1432068-001
Customer ID : 3-13102

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 625[AGT:1]								
Dimethylphthalate	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
4,6-Dinitro-2-methylphenol	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4-Dinitrophenol	ND	5	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4-Dinitrotoluene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,6-Dinitrotoluene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Di-n-octylphthalate	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Fluoranthene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Fluorene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Hexachlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Hexachlorobutadiene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Hexachlorocyclopentadiene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Hexachloroethane	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Indeno(1,2,3-c,d)pyrene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Isophorone	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Naphthalene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Nitrobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2-Nitrophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
4-Nitrophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
N-Nitrosodimethylamine	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
N-Nitrosodiphenylamine	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
N-Nitrosodi-n-propylamine	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Pentachlorophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908
Phenanthrene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Phenol	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Pyrene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
Pyridine	ND	10	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,2,4-Trichlorobenzene	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4,6-Trichlorophenol	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
1,2-Diphenylhydrazine	ND	1	ug/L		625	03/10/14:202685	625	03/17/14:203908
2,4,5-Trichlorophenol	ND	2	ug/L		625	03/10/14:202685	625	03/17/14:203908

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap Preservatives: N/A ‡Surrogate. * PQL adjusted for dilution.

March 19, 2014
Precision Enviro-Tech

Lab ID : STK1432068
Customer : 3-13102

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2,4-Trichlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	30.5 %	15-62	
			BS	ug/L	10.00	33.6 %	0-112	
			BSD	ug/L	10.00	54.1 %	0-112	
			BSRPD	ug/L	10.00	2.1	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	88.4 %	80-120	
1,2-Dichlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	28.7 %	13-67	
			BS	ug/L	10.00	30.9 %	0-111	
			BSD	ug/L	10.00	51.5 %	0-111	
			BSRPD	ug/L	10.00	2.1	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	90.2 %	80-120	
1,2-Diphenylhydrazine	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	55.9 %	20-88	
			BS	ug/L	10.00	48.4 %	3-122	
			BSD	ug/L	10.00	60.9 %	3-122	
			BSRPD	ug/L	10.00	22.9%	≤68	
1,3-Dichlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	27.4 %	12-64	
			BS	ug/L	10.00	30.0 %	0-105	
			BSD	ug/L	10.00	51.6 %	0-105	
			BSRPD	ug/L	10.00	2.2	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	86.5 %	80-120	
1,4-Dichlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	27.6 %	13-65	
			BS	ug/L	10.00	31.3 %	0-109	
			BSD	ug/L	10.00	52.4 %	0-109	
			BSRPD	ug/L	10.00	2.1	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	91.0 %	80-120	
2,4,5-Trichlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	40.3 %	20-71	
			BS	ug/L	20.00	41.0 %	0-137	
			BSD	ug/L	20.00	48.1 %	0-137	
			BSRPD	ug/L	10.00	1.4	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	109 %	70-130	
2,4,6-Tribromophenol	625	03/10/14:202685CCG	Blank	ug/L	20.00	49.1 %	15-124	
			LCS	ug/L	20.00	55.2 %	15-124	
			BS	ug/L	20.00	50.4 %	0-132	
			BSD	ug/L	20.00	57.2 %	0-132	
			BSRPD	ug/L	10.00	12.7%	≤38	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	93.0 %	80-120	
2,4,6-Trichlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	37.4 %	17-70	
			BS	ug/L	20.00	40.2 %	0-171	
			BSD	ug/L	20.00	50.7 %	0-171	
			BSRPD	ug/L	10.00	23.1%	≤77	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	87.7 %	80-120	
2,4-Dichlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	33.9 %	20-64	
			BS	ug/L	20.00	36.0 %	0-132	
			BSD	ug/L	20.00	47.0 %	0-132	
			BSRPD	ug/L	10.00	2.2	≤2	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	90.6 %	80-120	
2,4-Dimethylphenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	33.3 %	24-79	

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

March 19, 2014 Lab ID : STK1432068
Precision Enviro-Tech Customer : 3-13102

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,4-Dimethylphenol	625	03/10/14:202685CCG	BS	ug/L	20.00	35.8 %	0-110	
			BSD	ug/L	20.00	42.8 %	0-110	
			BSRPD	ug/L	10.00	1.4	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	110 %	80-120	
2,4-Dinitrophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	23.0 %	3-39	
			BS	ug/L	20.00	28.6 %	0-100	
			BSD	ug/L	20.00	25.1 %	0-100	
			BSRPD	ug/L	10.00	0.72	≤5	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	81.8 %	80-120	
2,4-Dinitrotoluene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	42.8 %	15-87	
			BS	ug/L	10.00	41.5 %	0-139	
			BSD	ug/L	10.00	52.9 %	0-139	
			BSRPD	ug/L	10.00	1.1	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	103 %	80-120	
2,6-Dinitrotoluene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	41.1 %	21-78	
			BS	ug/L	10.00	41.1 %	0-131	
			BSD	ug/L	10.00	51.1 %	0-131	
			BSRPD	ug/L	10.00	1.0	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	99.2 %	80-120	
2-Chlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	28.7 %	19-74	
			BS	ug/L	20.00	32.9 %	0-127	
			BSD	ug/L	20.00	44.5 %	0-127	
			BSRPD	ug/L	10.00	2.3	≤2	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	87.9 %	80-120	
2-Fluorobiphenyl	625	03/10/14:202685CCG	Blank	ug/L	10.00	51.1 %	16-104	
			LCS	ug/L	10.00	37.4 %	16-104	
			BS	ug/L	10.00	39.0 %	0-109	
			BSD	ug/L	10.00	55.5 %	0-109	
			BSRPD	ug/L	10.00	1.6	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	84.4 %	80-120	
2-Fluorophenol	625	03/10/14:202685CCG	Blank	ug/L	20.00	41.0 %	20-98	
			LCS	ug/L	20.00	32.1 %	20-98	
			BS	ug/L	20.00	35.5 %	0-126	
			BSD	ug/L	20.00	49.5 %	0-126	
			BSRPD	ug/L	10.00	32.9%	≤79	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	82.3 %	80-120	
2-Nitrophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	37.4 %	20-72	
			BS	ug/L	20.00	42.0 %	0-142	
			BSD	ug/L	20.00	56.3 %	0-142	
			BSRPD	ug/L	10.00	2.9	≤2	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	95.7 %	80-120	
3,3-Dichlorobenzidine	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	47.0 %	10-45	310
			BS	ug/L	20.00	42.6 %	0-56	
			BSD	ug/L	20.00	44.0 %	0-56	
			BSRPD	ug/L	10.00	0.29	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	100 %	80-120	
4,6-Dinitro-2-methylphenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	49.2 %	4-58	

March 19, 2014 Lab ID : STK1432068
Precision Enviro-Tech Customer : 3-13102

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
4,6-Dinitro-2-methylphenol	625	03/10/14:202685CCG	BS	ug/L	20.00	49.4 %	0-169	
			BSD	ug/L	20.00	50.8 %	0-169	
			BSRPD	ug/L	10.00	2.8%	≤270	
4,6-Dinitro-o-cresol	625	03/17/14:203908VRG	CCV	mg/L	10.00	87.0 %	80-120	
4-Bromophenylphenylether	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	49.5 %	19-68	
			BS	ug/L	10.00	46.0 %	0-123	
			BSD	ug/L	10.00	53.9 %	0-123	
			BSRPD	ug/L	10.00	0.79	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	91.2 %	80-120	
4-Nitrophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	13.7 %	4-75	
			BS	ug/L	20.00	29.4 %	0-206	
			BSD	ug/L	20.00	23.6 %	0-206	
			BSRPD	ug/L	10.00	1.2	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	122 %	80-120	360
Acenaphthene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	37.6 %	19-76	
			BS	ug/L	10.00	39.9 %	0-125	
			BSD	ug/L	10.00	56.4 %	0-125	
			BSRPD	ug/L	10.00	1.7	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	99.3 %	80-120	
Acenaphthylene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	36.5 %	11-76	
			BS	ug/L	10.00	37.8 %	0-103	
			BSD	ug/L	10.00	54.0 %	0-103	
			BSRPD	ug/L	10.00	1.6	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	107 %	80-120	
Anthracene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	53.6 %	20-77	
			BS	ug/L	10.00	49.9 %	0-131	
			BSD	ug/L	10.00	58.2 %	0-131	
			BSRPD	ug/L	10.00	15.4%	≤65	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	93.0 %	80-120	
Azobenzene	625	03/17/14:203908VRG	CCV	mg/L	10.00	96.6 %	80-120	
Benzidine	625	03/10/14:202685CCG	Blank	ug/L		ND	<10	
			LCS	ug/L	20.00	0.0 %	0-97	
			BS	ug/L	20.00	0.0 %	0-97	
			BSD	ug/L	20.00	0.0 %	0-97	
			BSRPD	ug/L	10.00	0.0	≤10	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	111 %	70-130	
Benzo(a)anthracene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	53.7 %	19-75	
			BS	ug/L	10.00	52.7 %	4-131	
			BSD	ug/L	10.00	56.7 %	4-131	
			BSRPD	ug/L	10.00	7.3%	≤36	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	107 %	80-120	
Benzo(a)pyrene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	50.2 %	8-65	
			BS	ug/L	10.00	46.8 %	2-122	
			BSD	ug/L	10.00	53.0 %	2-122	
			BSRPD	ug/L	10.00	0.62	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	100 %	80-120	
Benzo(b)fluoranthene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	

March 19, 2014
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Lab ID : STK1432068
Customer : 3-13102

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Benzo(b)fluoranthene	625	03/10/14:202685CCG	LCS	ug/L	10.00	50.9 %	12-70	
			BS	ug/L	10.00	48.3 %	7-121	
			BSD	ug/L	10.00	55.9 %	7-121	
			BSRPD	ug/L	10.00	14.6%	≤93	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	119 %	80-120	
Benzo(g,h,i)perylene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	61.9 %	9-67	
			BS	ug/L	10.00	57.0 %	0-141	
			BSD	ug/L	10.00	60.2 %	0-141	
			BSRPD	ug/L	10.00	5.5%	≤83	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	99.4 %	80-120	
Benzo(k)fluoranthene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	59.7 %	16-62	
			BS	ug/L	10.00	53.2 %	0-161	
			BSD	ug/L	10.00	61.6 %	0-161	
			BSRPD	ug/L	10.00	14.6%	≤74	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	81.9 %	80-120	
bis(2-Chloroethoxy)methane	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	34.8 %	8-89	
			BS	ug/L	10.00	32.3 %	0-120	
			BSD	ug/L	10.00	46.0 %	0-120	
			BSRPD	ug/L	10.00	1.4	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	88.7 %	80-120	
bis(2-Chloroethyl)ether	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	34.2 %	22-109	
			BS	ug/L	10.00	40.2 %	0-165	
			BSD	ug/L	10.00	62.9 %	0-165	
			BSRPD	ug/L	10.00	43.9%	≤74	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	89.0 %	80-120	
bis(2-Chloroisopropyl)ether	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	25.4 %	27-105	320
			BS	ug/L	10.00	28.0 %	0-117	
			BSD	ug/L	10.00	42.6 %	0-117	
			BSRPD	ug/L	10.00	1.5	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	80.0 %	80-120	
bis(2-Ethylhexyl)phthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	71.1 %	12-78	
			BS	ug/L	10.00	67.7 %	0-133	
			BSD	ug/L	10.00	72.2 %	0-133	
			BSRPD	ug/L	10.00	0.45	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	112 %	80-120	
Butylbenzylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	37.9 %	1-53	
			BS	ug/L	10.00	37.8 %	0-97	
			BSD	ug/L	10.00	40.8 %	0-97	
			BSRPD	ug/L	10.00	0.31	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	110 %	80-120	
Chloronaphthalene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	33.7 %	18-78	
			BS	ug/L	10.00	37.1 %	0-204	
			BSD	ug/L	10.00	55.1 %	0-204	
			BSRPD	ug/L	10.00	1.8	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	94.3 %	80-120	
Chlorophenylphenylether	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	

March 19, 2014
Precision Enviro-Tech

Lab ID : STK1432068
Customer : 3-13102

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Chlorophenylphenylether	625	03/10/14:202685CCG	LCS	ug/L	10.00	42.7 %	20-74	
			BS	ug/L	10.00	43.4 %	0-128	
			BSD	ug/L	10.00	55.9 %	0-128	
			BSRPD	ug/L	10.00	1.3	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	92.1 %	80-120	
Chrysene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	60.1 %	20-71	
			BS	ug/L	10.00	58.8 %	0-141	
			BSD	ug/L	10.00	62.0 %	0-141	
			BSRPD	ug/L	10.00	5.4%	≤84	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.7 %	80-120	
Dibenzo(a,h)anthracene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	58.5 %	13-66	
			BS	ug/L	10.00	55.4 %	0-141	
			BSD	ug/L	10.00	56.0 %	0-141	
			BSRPD	ug/L	10.00	1.2%	≤81	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	101 %	80-120	
Diethylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	33.1 %	11-63	
			BS	ug/L	10.00	33.9 %	0-115	
			BSD	ug/L	10.00	40.4 %	0-115	
			BSRPD	ug/L	10.00	0.66	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	106 %	80-120	
Dimethylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	21.8 %	4-37	
			BS	ug/L	10.00	26.3 %	0-102	
			BSD	ug/L	10.00	29.7 %	0-102	
			BSRPD	ug/L	10.00	0.33	≤1	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	102 %	80-120	
Di-n-butylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	58.7 %	9-54	310
			BS	ug/L	10.00	48.7 %	0-102	
			BSD	ug/L	10.00	52.6 %	0-102	
			BSRPD	ug/L	10.00	0.39	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	119 %	80-120	
Di-n-octylphthalate	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	72.8 %	0-50	310
			BS	ug/L	10.00	67.8 %	12-122	
			BSD	ug/L	10.00	79.8 %	12-122	
			BSRPD	ug/L	10.00	16.4%	≤90	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	134 %	80-120	360
Fluoranthene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	57.6 %	20-72	
			BS	ug/L	10.00	51.0 %	0-140	
			BSD	ug/L	10.00	56.1 %	0-140	
			BSRPD	ug/L	10.00	9.6%	≤55	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	100 %	80-120	
Fluorene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	42.9 %	24-89	
			BS	ug/L	10.00	45.0 %	0-136	
			BSD	ug/L	10.00	58.3 %	0-136	
			BSRPD	ug/L	10.00	25.7%	≤65	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	101 %	80-120	
Hexachlorobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	

March 19, 2014
Precision Enviro-Tech

Lab ID : STK1432068
Customer : 3-13102

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Hexachlorobenzene	625	03/10/14:202685CCG	LCS	ug/L	10.00	49.9 %	19-65	
			BS	ug/L	10.00	45.4 %	0-126	
			BSD	ug/L	10.00	57.8 %	0-126	
			BSRPD	ug/L	10.00	24.0%	≤73	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	92.3 %	80-120	
Hexachlorobutadiene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	33.0 %	12-60	
			BS	ug/L	10.00	35.5 %	0-110	
			BSD	ug/L	10.00	58.6 %	0-110	
			BSRPD	ug/L	10.00	2.3	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	96.0 %	80-120	
Hexachlorocyclopentadiene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	9.6 %	8-28	
			BS	ug/L	10.00	12.7 %	0-284	
			BSD	ug/L	10.00	24.2 %	0-284	
			BSRPD	ug/L	10.00	1.2	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	104 %	80-120	
Hexachloroethane	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	29.2 %	13-74	
			BS	ug/L	10.00	31.2 %	0-108	
			BSD	ug/L	10.00	56.0 %	0-108	
			BSRPD	ug/L	10.00	2.5	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	99.6 %	80-120	
Indeno(1,2,3-c,d)pyrene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	56.6 %	10-66	
			BS	ug/L	10.00	55.0 %	0-141	
			BSD	ug/L	10.00	57.5 %	0-141	
			BSRPD	ug/L	10.00	4.6%	≤84	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	103 %	80-120	
Isophorone	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	40.1 %	20-76	
			BS	ug/L	10.00	38.9 %	0-116	
			BSD	ug/L	10.00	51.6 %	0-116	
			BSRPD	ug/L	10.00	1.3	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	87.6 %	80-120	
Naphthalene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	36.2 %	17-76	
			BS	ug/L	10.00	38.7 %	0-121	
			BSD	ug/L	10.00	60.6 %	0-121	
			BSRPD	ug/L	10.00	2.2	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	102 %	80-120	
Nitrobenzene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	35.6 %	32-127	
			BS	ug/L	10.00	38.4 %	0-176	
			BSD	ug/L	10.00	55.1 %	0-176	
			BSRPD	ug/L	10.00	1.7	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	94.2 %	80-120	
Nitrobenzene-d5	625	03/10/14:202685CCG	Blank	ug/L	10.00	42.7 %	21-99	
			LCS	ug/L	10.00	33.4 %	21-99	
			BS	ug/L	10.00	35.1 %	0-115	
			BSD	ug/L	10.00	54.4 %	0-115	
			BSRPD	ug/L	10.00	1.9	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	88.2 %	80-120	
N-Nitrosodimethylamine	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	

March 19, 2014 Lab ID : STK1432068
Precision Enviro-Tech Customer : 3-13102

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
N-Nitrosodimethylamine	625	03/10/14:202685CCG	LCS	ug/L	10.00	25.9 %	22-85	
			BS	ug/L	10.00	28.4 %	0-114	
			BSD	ug/L	10.00	45.3 %	0-114	
			BSRPD	ug/L	10.00	1.7	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.3 %	80-120	
N-Nitrosodi-N-propylamine	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	31.3 %	28-98	
			BS	ug/L	10.00	35.2 %	0-140	
			BSD	ug/L	10.00	50.5 %	0-140	
			BSRPD	ug/L	10.00	1.5	≤1	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	95.9 %	80-120	
N-Nitrosodiphenylamine	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	52.0 %	24-100	
			BS	ug/L	10.00	49.3 %	4-132	
			BSD	ug/L	10.00	59.5 %	4-132	
			BSRPD	ug/L	10.00	18.8%	≤76	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	98.1 %	80-120	
p-Chloro-m-cresol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	43.0 %	19-87	
			BS	ug/L	20.00	43.7 %	0-144	
			BSD	ug/L	20.00	56.2 %	0-144	
			BSRPD	ug/L	10.00	2.5	≤2	410
	625	03/17/14:203908VRG	CCV	mg/L	10.00	102 %	80-120	
Pentachlorophenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	39.8 %	0-66	
			BS	ug/L	20.00	37.6 %	0-128	
			BSD	ug/L	20.00	38.7 %	0-128	
			BSRPD	ug/L	10.00	0.22	≤2	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	80.4 %	80-120	
Phenanthrene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	52.8 %	20-70	
			BS	ug/L	10.00	47.8 %	0-131	
			BSD	ug/L	10.00	56.1 %	0-131	
			BSRPD	ug/L	10.00	15.9%	≤39	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	109 %	80-120	
Phenol	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	20.4 %	20-80	
			BS	ug/L	20.00	23.1 %	0-120	
			BSD	ug/L	20.00	35.8 %	0-120	
			BSRPD	ug/L	10.00	43.1%	≤112	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.7 %	80-120	
Phenol-d6	625	03/10/14:202685CCG	Blank	ug/L	20.00	22.1 %	18-103	
			LCS	ug/L	20.00	22.4 %	18-103	
			BS	ug/L	20.00	26.5 %	0-125	
			BSD	ug/L	20.00	37.6 %	0-125	
			BSRPD	ug/L	10.00	34.7%	≤99	
	625	03/17/14:203908VRG	CCV	mg/L	20.00	85.1 %	80-120	
p-Terphenyl-d14	625	03/10/14:202685CCG	Blank	ug/L	10.00	60.3 %	13-142	
			LCS	ug/L	10.00	57.7 %	13-142	
			BS	ug/L	10.00	54.3 %	2-135	
			BSD	ug/L	10.00	53.3 %	2-135	
			BSRPD	ug/L	10.00	1.8%	≤38	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.2 %	80-120	
Pyrene	625	03/10/14:202685CCG	Blank	ug/L		ND	<1	

March 19, 2014 Lab ID : STK1432068
Precision Enviro-Tech Customer : 3-13102

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Pyrene	625	03/10/14:202685CCG	LCS	ug/L	10.00	61.0 %	15-78	
			BS	ug/L	10.00	59.8 %	1-133	
			BSD	ug/L	10.00	63.6 %	1-133	
			BSRPD	ug/L	10.00	6.1%	≤40	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	110 %	80-120	
Pyridine	625	03/10/14:202685CCG	Blank	ug/L		ND	<10	
			LCS	ug/L	10.00	3.0 %	0-34	
			BS	ug/L	10.00	1.5 %	0-92	
			BSD	ug/L	10.00	10.6 %	0-92	
			BSRPD	ug/L	10.00	0.92	≤10	
	625	03/17/14:203908VRG	CCV	mg/L	10.00	85.3 %	80-120	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

310	: LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
320	: LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery.
360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
410	: Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

RUSH **SUBCONTRACT ORDER** 7 DAY TAT

Precision Enviro-Tech

4030510

SENDING LABORATORY:

Precision Enviro-Tech
3935 N. Coronado Ave
Stockton, CA 95204
Phone: (209) 477-8105
Fax: (209) 477-8135
Project Manager: Jonathan HV Le

RECEIVING LABORATORY:

Lab# 1432068

FGL Environmental
2500 Stagecoach Rd.
Stockton, CA 95215
Phone :(209) 942-0181
Fax: (209) 942-0423

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 4030510-01	**Water**	**Sampled:05-Mar-14 13:21**	[redacted]	
625 Semivolatiles	19-Mar-14 00:00	12-Mar-14 13:21		
Containers Supplied:				

Sampler: Jonathan Le
PSV
Debbie Rankin
3/7/14
SB

RUSH

Eric Nguyen	3/6/14	10:15am			3/6/14	1015	
Released By	Date			Received By	Date		
	3/6/14	1700			3/6/14	1700	
Released By	Date			Received By	Date		
					3/7/14	1115	

Inter-Laboratory Condition Upon Receipt (Attach to COC) 1432068

Sample Receipt at: (STK) CC CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # _____

2. Were samples received in a chilled condition? Temps: NOT / ____ / ____ / ____ / ____
   Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

3.	Do the number of bottles received agree with the COC?	(Yes)	No	N/A
4.	Were samples received intact? (i.e. no broken bottles, leaks etc.)	(Yes)	No	
5.	VOAs checked for Headspace?	Yes	No	(N/A)
6.	Were sample custody seals intact?	Yes	No	(N/A)
7.	If required, was sample split for pH analysis?	Yes	No	(N/A)
8.	Were all analyses within holding times at time of receipt?	(Yes)	No	
9.	Verify sample date, time sampler	(Yes)	No	

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.
Sample Receipt Review completed by (initials): ____

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: ____ / ____ / ____ / ____ / ____
   Acceptable is above freezing to 6° C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 9100106038307457/7115

3.	Do the number of bottles received agree with the COC?	(Yes)	No	N/A
4.	Were samples received intact? (i.e. no broken bottles, leaks etc.)	(Yes)	No	
5.	Were sample custody seals intact?	Yes	No	(N/A)

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1.	Were all requested analyses understood and acceptable?	(Yes)	No		
2.	Did bottle labels correspond with the client's ID's?	(Yes)	No		
3.	Were all bottles requiring sample preservation properly preserved?	Yes	No	(N/A)	FGL
4.	VOAs checked for Headspace?	Yes	No	(N/A)	
5.	Have rush or project due dates been checked and accepted?	Yes	No	(N/A)	

Attach labels to the containers and include a copy of the COC for lab delivery.
Sample Receipt, Login and Verification completed by (initials): _____

Discrepancy Documentation:
Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:
   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:
   Resolution:

(Please use the back of this sheet for additional comments or contacts)

Attach label with lab number here

1432068

PRECISION ENVIRO-TECH

CHAIN OF CUSTODY
AND ANALYSIS REQUEST DOCUMENT

CLIENT DETAILS

Client: NORTHERN CA. POWPER AGENCY

Customer Number: NCPA

Address: 12745 N. THORNTON ROAD
LODI, CA 95242

Phone: 209-210-5009 (916) 799-3682 CELL

FAX: 209-333-6374

Project name: LEC INJECTION WELL

Contact person: VINNIE VENETHONGKHAM

SAMPLING

Sampler (s): Dan Ngo

Composite Sampler Setup:

Date: _____ Time: _____

Subject to Surcharge Field Sampler:

Time: _____ Milelage: _____

REPORT INFORMATION

Rush Analysis: 5 Days ___ 2 Days ___ 24hrs ___

Subject to surcharge

QA/QC report required: yes ___ no ___

If yes, To: State ___ Client ___ Other ___

Lab number: 4030S10 - 01

SAMPLE CONDITION

Sample Temperature: _____ Celsus

( ) Leaking. ( ) Broken. ( ) VOA Headspace

Custody Seal ( ) yes ( ) no

SAMPLE TRANSPORTATION

(X) Ice Chest ( )UPS ( )Fed Ex ( )Drop off ( )Other

SAMPLE INFORMATION

Sample Number	Location Description	Date Sample	Time Sample	Type of Sampling: Composite (C) Grab (G)	Number of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metal Tube	(P) Potable (NP) Non-Potable	(SW) Surface Water (MW) Monitoring Well (GW) Ground Water (TB) Travel Blank (WW) Waste Water (DW) Drinking Water	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	Preservatives: (1) NaOH = ZnAc, (2) NaOH (3) HCl	(4) H_2SO_4, (5) HNO_3, (6) $Na_2S_2O_3$ (7) Other	(8) None
1	LEC injection Well	3/5/14	1:21	G	2P 1 43V	NP	W		3V 3	1	1

ANALYSES REQUESTED

- Metals, Total
- Wet Chemistry
- EPA 624, EPA 625

REMARKS

CUSTODY

Relinquished by: Dan Ngo Date 3/5/14 Time 2:02PM Received by: Dan Ngo Date 3/5/14 Time 2:02PM

Relinquished by: _____ Date _____ Time _____ Received by: _____ Date _____ Time _____

Relinquished by: _____ Date _____ Time _____ Received by: _____ Date _____ Time _____

3935 N. Coronado Ave. * Stockton CA 95204 * Telephone (209) 477-8105 * FAX: (209) 546-7497 *Email: Petal545@sbcglobal.net *www.petallab.com

Attachment 2 STIG Discharge Sampling Analysis

January 30, 2014

Northern California Power Agency
P.O. Box 1478
Lodi, CA 95241-1478

Lab ID : STK1430250
Customer : 3-11629

Laboratory Report

Introduction: This report package contains total of 27 pages divided into 3 sections:

Case Narrative	(3 pages)	: An overview of the work performed at FGL.
Sample Results	(6 pages)	: Results for each sample submitted.
Quality Control	(18 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
WW Storage Tank	01/09/2014	01/09/2014	STK1430250-001	WW

Sampling and Receipt Information: The sample was performed by FGL using the following methods (where applicable):

Bacteriological Sampling	- SOP:200900141
Grab sampling for liquids	- SOP:200900137
Composite sampling for liquids	- SOP:200900139
Grab sampling for solids	- SOP:200900142
Composite sampling for solids	- SOP:200900143

All samples were received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	01/22/2014:201085 All analysis quality controls are within established criteria.
	01/24/2014:201141 All analysis quality controls are within established criteria.
200.8	01/17/2014:200805 All analysis quality controls are within established criteria.
245.1	01/16/2014:200755 All analysis quality controls are within established criteria.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA NELAP Certification No. 01110CA

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

January 30, 2014 Lab ID : STK1430250
Northern California Power Agency Customer : 3-11629

Inorganic - Metals QC

245.1	01/16/2014:200566 All preparation quality controls are within established criteria.
3010	01/16/2014:200551 All preparation quality controls are within established criteria.
	01/17/2014:200609 All preparation quality controls are within established criteria, except: The following note applies to Sodium: 430 Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte.

Organic QC

624	01/10/2014:200726 All analysis quality controls are within established criteria, except: The following note applies to Chloroethane (Ethyl Chloride): 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	01/17/2014:200815 All analysis quality controls are within established criteria.
	01/10/2014:200359 All preparation quality controls are within established criteria, except: The following note applies to 2-Chloroethylvinyl ether, Acetone: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to 2-Chloroethylvinyl ether, Acetone: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
625	01/21/2014:200974 All analysis quality controls are within established criteria.
	01/13/2014:200412 All preparation quality controls are within established criteria, except: The following note applies to 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Fluorobiphenyl, 2,4-Dichlorophe: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. The following note applies to 2,4-Dinitrophenol, Benzo(k)fluoranthene, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate: 310 LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.

Inorganic - Wet Chemistry QC

2320B	01/15/2014:200696 All analysis quality controls are within established criteria.
	01/15/2014:200495 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO3), Bicarbonate: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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Inorganic - Wet Chemistry QC

2510B	01/10/2014:200463 All analysis quality controls are within established criteria.
	01/10/2014:200370 All preparation quality controls are within established criteria.
2540CE	01/14/2014:200448 All preparation quality controls are within established criteria.
2540D	01/09/2014:310045 All preparation quality controls are within established criteria.
2710 F	01/14/2014:200562 All preparation quality controls are within established criteria.
300.0	01/11/2014:200588 All analysis quality controls are within established criteria.
	01/10/2014:200387 All preparation quality controls are within established criteria.
420.1	01/21/2014:200960 All analysis quality controls are within established criteria.
	01/21/2014:200731 All preparation quality controls are within established criteria.
4500CNCE	01/20/2014:200897 All analysis quality controls are within established criteria.
	01/20/2014:200635 All preparation quality controls are within established criteria.
5210B	01/14/2014:300034 All analysis quality controls are within established criteria.
	01/09/2014:300034 All preparation quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2014-01-30

January 30, 2014

Lab ID : STK1430250-001
Customer ID : 3-11629

Northern California Power Agency
P.O. Box 1478
Lodi, CA 95241-1478

Sampled On : January 9, 2014-13:20
Sampled By : Brian Macleod
Received On : January 9, 2014-14:10
Matrix : Waste Water

Description : WW Storage Tank
Project : WW Storage Tank

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total[P:1]								
Arsenic	0.003	0.002	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Barium	0.0590	0.0002	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Boron	0.18	0.01	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Cadmium	ND	0.0002	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Chromium	0.001	0.001	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Copper	0.010	0.001	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Total Hardness as CaCO3	260	--	mg/L		3010	01/17/14:200609	200.7	01/22/14:201085
Calcium	63	1	mg/L		3010	01/17/14:200609	200.7	01/22/14:201085
Magnesium	25	1	mg/L		3010	01/17/14:200609	200.7	01/22/14:201085
Lead	0.0003	0.0002	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Manganese	0.0053	0.0005	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Mercury	ND	0.00002	mg/L		245.1	01/16/14:200566	245.1	01/16/14:200755
Molybdenum	0.003	0.001	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Nickel	0.002	0.001	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Potassium	33	1	mg/L		3010	01/17/14:200609	200.7	01/22/14:201085
Selenium	ND	0.002	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Silica	100	--	mg/L		3010	01/17/14:200609	200.7	01/24/14:201141
Silver	ND	0.001	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Sodium	223	1	mg/L		3010	01/17/14:200609	200.7	01/22/14:201085
Vanadium	0.016	0.002	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Zinc	0.10	0.01	mg/L		3010	01/16/14:200551	200.8	01/17/14:200805
Wet Chemistry[P:1]								
Alkalinity (as CaCO3)	310	10	mg/L		2320B	01/15/14:200495	2320B	01/15/14:200696
Bicarbonate	380	10	mg/L		2320B	01/15/14:200495	2320B	01/15/14:200696
Carbonate	ND	10	mg/L		2320B	01/15/14:200495	2320B	01/15/14:200696
Hydroxide	ND	10	mg/L		2320B	01/15/14:200495	2320B	01/15/14:200696
BOD	7.32	4.3*	mg/L		5210B	01/09/14:300034	5210B	01/14/14:300034
Chloride	187	5*	mg/L		300.0	01/10/14:200387	300.0	01/11/14:200588
Specific Conductance	1450	1	umhos/cm		2510B	01/10/14:200370	2510B	01/10/14:200463
Cyanide, Total	ND	0.004	mg/L		4500CNCE	01/20/14:200635	4500CNCE	01/20/14:200897
Fluoride	1.5	0.1	mg/L		300.0	01/10/14:200387	300.0	01/11/14:200588
Nitrate	20.3	0.4	mg/L		300.0	01/10/14:200387	300.0	01/11/14:200588
Phenols	ND	0.1	mg/L		420.1	01/21/14:200731	420.1	01/21/14:200960
Solids, Total Dissolved (TDS)	850	20	mg/L		2540CE	01/14/14:200448	2540C	01/15/14:200611
Solids, Total Suspended (TSS)	ND	1	mg/L		2540D	01/09/14:310045	2540D	01/10/14:310067

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA NELAP Certification No. 01110CA

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
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January 30, 2014
Description : WW Storage Tank

Lab ID : STK1430250-001
Customer ID : 3-11629

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry[P:1]								
Sulfate	88	2	mg/L		300.0	01/10/14:200387	300.0	01/11/14:200588
Specific Gravity	1.00	---	Unit		2710 F	01/14/14:200562	D1429	01/14/14:200701

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (AGT) Amber Glass TFE-Cap, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, NaOH, HNO3 pH < 2, HCl pH < 2 ‡Surrogate. * PQL adjusted for dilution.

January 30, 2014

Lab ID : STK1430250-001
Customer ID : 3-11629

Northern California Power Agency
P.O. Box 1478
Lodi, CA 95241-1478

Sampled On : January 9, 2014-13:20
Sampled By : Brian Macleod
Received On : January 9, 2014-14:10
Matrix : Waste Water

Description : WW Storage Tank
Project : WW Storage Tank

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 624[AGT:1]								
4-Bromofluorobenzene‡	107	70-161	%		624	01/10/14:200359	624	01/10/14:200726
Fluorobenzene‡	105	72-139	%		624	01/10/14:200359	624	01/10/14:200726
Pentafluorobenzene‡	109	59-151	%		624	01/10/14:200359	624	01/10/14:200726
Acetone	ND	25	ug/L		624	01/10/14:200359	624	01/10/14:200726
Acrolein	ND	5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Acrylonitrile	ND	2	ug/L		624	01/10/14:200359	624	01/10/14:200726
Benzene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Bromodichloromethane	13.2	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Bromoform	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Bromomethane	ND	1	ug/L		624	01/10/14:200359	624	01/10/14:200726
2-Butanone (MEK)	ND	40	ug/L		624	01/10/14:200359	624	01/10/14:200726
Carbon Disulfide	ND	5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Carbon Tetrachloride	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Chlorobenzene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Chloroethane	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
2-Chloroethylvinyl ether	ND	10	ug/L		624	01/10/14:200359	624	01/10/14:200726
Chloroform	80	10*	ug/L		624	01/10/14:200359	624	01/17/14:200815
Chloromethane	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Dibromochloromethane	1.8	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
1,2-Dichlorobenzene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
1,3-Dichlorobenzene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
1,4-Dichlorobenzene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
1,1-Dichloroethane	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
1,2-Dichloroethane	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
1,1-Dichloroethylene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
trans-1,2-Dichloroethylene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
1,2-Dichloropropane	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
cis-1,3-Dichloropropene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
trans-1,3-Dichloropropene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Ethyl Benzene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
2-Hexanone	ND	30	ug/L		624	01/10/14:200359	624	01/10/14:200726
4-Methyl-2-pentanone (MIBK)	ND	30	ug/L		624	01/10/14:200359	624	01/10/14:200726
Methylene Chloride	ND	2	ug/L		624	01/10/14:200359	624	01/10/14:200726
Methyl tert-Butyl Ether (MTBE)	ND	5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Styrene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726

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853 Corporation Street
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CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
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January 30, 2014
Description : WW Storage Tank

Lab ID : STK1430250-001
Customer ID : 3-11629

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 624[AGT:1]								
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Tetrachloroethylene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Toluene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
1,1,1-Trichloroethane	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
1,1,2-Trichloroethane	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Trichloroethylene	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Trichlorofluoromethane	ND	2	ug/L		624	01/10/14:200359	624	01/10/14:200726
Vinyl Acetate	ND	100	ug/L		624	01/10/14:200359	624	01/10/14:200726
Vinyl Chloride	ND	0.5	ug/L		624	01/10/14:200359	624	01/10/14:200726
Xylenes	ND	--	ug/L		624	01/10/14:200359	624	01/10/14:200726
EPA 625[AGT:1]								
2-Fluorobiphenyl‡	41.9	16-104	%		625	01/13/14:200412	625	01/21/14:200974
2-Fluorophenol‡	36.9	20-98	%		625	01/13/14:200412	625	01/21/14:200974
Nitrobenzene-d5‡	42.2	21-99	%		625	01/13/14:200412	625	01/21/14:200974
Phenol-d6‡	34.0	18-103	%		625	01/13/14:200412	625	01/21/14:200974
p-Terphenyl-d14‡	44.3	13-142	%		625	01/13/14:200412	625	01/21/14:200974
2,4,6-Tribromophenol‡	54.6	15-124	%		625	01/13/14:200412	625	01/21/14:200974
Acenaphthene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Acenaphthylene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Anthracene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Benzidine	ND	10	ug/L		625	01/13/14:200412	625	01/21/14:200974
Benzo(a)anthracene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Benzo(b)fluoranthene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Benzo(k)fluoranthene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Benzo(g,h,i)perylene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Benzo(a)pyrene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
4-Bromophenylphenylether	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Butylbenzylphthalate	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
bis(2-Chloroethoxy)methane	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
bis(2-Chloroethyl)ether	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
bis(2-Chloroisopropyl)ether	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
bis(2-Ethylhexyl)phthalate	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
4-Chloro-3-methylphenol	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
2-Chloronaphthalene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
2-Chlorophenol	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
4-Chlorophenylphenylether	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Chrysene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Dibenzo(a,h)anthracene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974

January 30, 2014
Description : WW Storage Tank

Lab ID : STK1430250-001
Customer ID : 3-11629

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
EPA 625[AGT:1]								
Di-n-butylphthalate	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
1,2-Dichlorobenzene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
1,3-Dichlorobenzene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
1,4-Dichlorobenzene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
3,3'-Dichlorobenzidine	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
2,4-Dichlorophenol	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
Diethylphthalate	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
2,4-Dimethylphenol	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
Dimethylphthalate	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
4,6-Dinitro-2-methylphenol	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
2,4-Dinitrophenol	ND	5	ug/L		625	01/13/14:200412	625	01/21/14:200974
2,4-Dinitrotoluene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
2,6-Dinitrotoluene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Di-n-octylphthalate	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Fluoranthene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Fluorene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Hexachlorobenzene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Hexachlorobutadiene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Hexachlorocyclopentadiene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Hexachloroethane	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Indeno(1,2,3-c,d)pyrene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Isophorone	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Naphthalene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Nitrobenzene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
2-Nitrophenol	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
4-Nitrophenol	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
N-Nitrosodimethylamine	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
N-Nitrosodiphenylamine	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
N-Nitrosodi-n-propylamine	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Pentachlorophenol	ND	2	ug/L		625	01/13/14:200412	625	01/21/14:200974
Phenanthrene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Phenol	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Pyrene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
Pyridine	ND	10	ug/L		625	01/13/14:200412	625	01/21/14:200974
1,2,4-Trichlorobenzene	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
2,4,6-Trichlorophenol	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974
1,2-Diphenylhydrazine	ND	1	ug/L		625	01/13/14:200412	625	01/21/14:200974

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (AGT) Amber Glass TFE-Cap, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, NaOH, HNO3 pH < 2, HCl pH < 2 ‡Surrogate. * PQL adjusted for dilution.

January 30, 2014

Lab ID : STK1430250-001
Customer ID : 3-11629

Northern California Power Agency
P.O. Box 1478
Lodi, CA 95241-1478

Sampled On : January 9, 2014-13:20
Sampled By : Brian Macleod
Received On : January 9, 2014-14:10
Matrix : Waste Water

Description : WW Storage Tank
Project : WW Storage Tank

Sample Result - Support

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Field Test								
pH (Field)	7.44		units			01/09/14 13:20	4500-H B	01/09/14 13:20

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: () , (AGT) Amber Glass TFE-Cap, (P) Plastic, (VOA) VOA Preservatives: H2SO4 pH < 2, NaOH, HNO3 pH < 2, HCl pH < 2 ‡Surrogate. * PQL adjusted for dilution.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA NELAP Certification No. 01110CA

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

January 30, 2014 Lab ID : STK1430250
Northern California Power Agency Customer : 3-11629

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Calcium	200.7	01/22/14:201085AC	CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		-0.003	1	
			CCV	ppm	25.00	104 %	90-110	
			CCB	ppm		-0.001	1	
Magnesium	200.7	01/22/14:201085AC	CCV	ppm	25.00	99.9 %	90-110	
			CCB	ppm		0.003	1	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.007	1	
Potassium	200.7	01/22/14:201085AC	CCV	ppm	25.00	104 %	90-110	
			CCB	ppm		-0.05	1	
			CCV	ppm	25.00	105 %	90-110	
			CCB	ppm		-0.01	1	
Silicon	200.7	01/24/14:201141AC	CCV	ppm	5.000	96.4 %	90-110	
			CCB	ppm		0.01	1	
			CCV	ppm	5.000	97.9 %	90-110	
			CCB	ppm		0.01	1	
Sodium	200.7	01/22/14:201085AC	CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		0.24	1	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.08	1	
Arsenic	200.8	01/17/14:200805AC	CCV	ppb	120.0	94.5 %	90-110	
			CCB	ppb		-0.04	2	
			CCV	ppb	120.0	95.7 %	90-110	
			CCB	ppb		0.05	2	
Barium	200.8	01/17/14:200805AC	CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.01	1	
			CCV	ppb	120.0	103 %	90-110	
			CCB	ppb		0.14	1	
Boron	200.8	01/17/14:200805AC	CCV	ppb	120.0	93.8 %	90-110	
			CCB	ppb		1.0	10	
			CCV	ppb	120.0	91.0 %	90-110	
			CCB	ppb		1.6	10	
Cadmium	200.8	01/17/14:200805AC	CCV	ppb	120.0	99.7 %	90-110	
			CCB	ppb		0.029	0.2	
			CCV	ppb	120.0	99.4 %	90-110	
			CCB	ppb		0.142	0.2	
Chromium	200.8	01/17/14:200805AC	CCV	ppb	120.0	97.6 %	90-110	
			CCB	ppb		0.10	1	
			CCV	ppb	120.0	98.0 %	90-110	
			CCB	ppb		0.18	1	
Copper	200.8	01/17/14:200805AC	CCV	ppb	120.0	95.8 %	90-110	
			CCB	ppb		0.021	0.5	
			CCV	ppb	120.0	97.0 %	90-110	
			CCB	ppb		0.104	0.5	
Lead	200.8	01/17/14:200805AC	CCV	ppb	120.0	99.1 %	90-110	
			CCB	ppb		-0.160	0.5	
			CCV	ppb	120.0	99.2 %	90-110	
			CCB	ppb		-0.081	0.5	
Manganese	200.8	01/17/14:200805AC	CCV	ppb	120.0	97.5 %	90-110	
			CCB	ppb		0.025	0.5	
			CCV	ppb	120.0	97.8 %	90-110	
			CCB	ppb		0.130	0.5	
Molybdenum	200.8	01/17/14:200805AC	CCV	ppb	120.0	99.8 %	90-110	
			CCB	ppb		0.21	1	
			CCV	ppb	120.0	101 %	90-110	

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January 30, 2014 Lab ID : STK1430250
Northern California Power Agency Customer : 3-11629

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Molybdenum	200.8	01/17/14:200805AC	CCB	ppb		0.68	1	
Nickel	200.8	01/17/14:200805AC	CCV	ppb	120.0	95.8 %	90-110	
			CCB	ppb		0.06	1	
			CCV	ppb	120.0	97.6 %	90-110	
			CCB	ppb		0.14	1	
Selenium	200.8	01/17/14:200805AC	CCV	ppb	120.0	92.5 %	90-110	
			CCB	ppb		0.10	1	
			CCV	ppb	120.0	93.4 %	90-110	
			CCB	ppb		0.18	1	
Silver	200.8	01/17/14:200805AC	CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		-0.50	1	
			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		-0.53	1	
Vanadium	200.8	01/17/14:200805AC	CCV	ppb	120.0	97.9 %	90-110	
			CCB	ppb		-0.01	2	
			CCV	ppb	120.0	98.4 %	90-110	
			CCB	ppb		0.10	2	
Zinc	200.8	01/17/14:200805AC	CCV	ppb	120.0	97.8 %	90-110	
			CCB	ppb		-0.07	10	
			CCV	ppb	120.0	99.5 %	90-110	
			CCB	ppb		-0.006	10	
Mercury	245.1	01/16/14:200566ac	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2000	102 %	85-115	
			MS	ug/L	0.2000	95.2 %	75-125	
		(CC 1480168-001)	MSD	ug/L	0.2000	96.9 %	75-125	
			MSRPD	ug/L	0.2000	1.7%	≤20	
	245.1	01/16/14:200755AC	CCV	ppt	200.0	97.2 %	90-110	
			CCB	ppt		4.0	20	
			CCV	ppt	200.0	98.0 %	90-110	
			CCB	ppt		6.4	20	
Arsenic	3010	01/16/14:200551AMB	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	96.6 %	85-115	
			MS	ug/L	40.00	83.9 %	75-125	
		(SP 1400200-003)	MSD	ug/L	40.00	91.3 %	75-125	
			MSRPD	ug/L	40.00	8.1%	≤20	
			PDS	ug/L	40.00	85.5 %	75-125	
Barium	3010	01/16/14:200551AMB	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	103 %	85-115	
			MS	ug/L	40.00	113 %	75-125	
		(SP 1400200-003)	MSD	ug/L	40.00	104 %	75-125	
			MSRPD	ug/L	40.00	5.0%	≤20.0	
			PDS	ug/L	40.00	107 %	75-125	
Boron	3010	01/16/14:200551AMB	Blank	ug/L		ND	<10	
			LCS	ug/L	40.00	86.1 %	85-115	
		(SP 1400200-003)	MSD	ug/L	40.00	142 %	<¼	
			MSRPD	ug/L	40.00	8.1%	≤20	
Cadmium	3010	01/16/14:200551AMB	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	103 %	85-115	
			MS	ug/L	40.00	94.9 %	75-125	
		(SP 1400200-003)	MSD	ug/L	40.00	98.6 %	75-125	
			MSRPD	ug/L	40.00	3.8%	≤20	
			PDS	ug/L	40.00	94.6 %	75-125	
Calcium	3010	01/17/14:200609amb	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	91.6 %	85-115	

January 30, 2014 Lab ID : STK1430250
Northern California Power Agency Customer : 3-11629

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Calcium	3010	(CC 1480104-001)	MS	mg/L	12.00	91.8 %	75-125	
			MSD	mg/L	12.00	109 %	75-125	
			MSRPD	mg/L	0.8004	3.0%	≤20.0	
			PDS	mg/L	12.00	110 %	75-125	
Chromium	3010	01/16/14:200551AMB	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	95.4 %	85-115	
		(SP 1400200-003)	MS	ug/L	40.00	88.7 %	75-125	
			MSD	ug/L	40.00	97.7 %	75-125	
			MSRPD	ug/L	40.00	9.6%	≤20	
			PDS	ug/L	40.00	91.9 %	75-125	
Copper	3010	01/16/14:200551AMB	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	93.5 %	85-115	
		(SP 1400200-003)	MS	ug/L	40.00	82.2 %	75-125	
			MSD	ug/L	40.00	91.6 %	75-125	
			MSRPD	ug/L	40.00	9.7%	≤20.0	
			PDS	ug/L	40.00	85.6 %	75-125	
Lead	3010	01/16/14:200551AMB	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	97.2 %	85-115	
		(SP 1400200-003)	MS	ug/L	40.00	97.7 %	75-125	
			MSD	ug/L	40.00	103 %	75-125	
			MSRPD	ug/L	40.00	5.0%	≤20.0	
			PDS	ug/L	40.00	99.3 %	75-125	
Magnesium	3010	01/17/14:200609amb	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	89.1 %	85-115	
		(CC 1480104-001)	MS	mg/L	12.00	95.8 %	75-125	
			MSD	mg/L	12.00	96.0 %	75-125	
			MSRPD	mg/L	0.8004	0.06%	≤20.0	
			PDS	mg/L	12.00	105 %	75-125	
Manganese	3010	01/16/14:200551AMB	Blank	ug/L		ND	<0.5	
			LCS	ug/L	40.00	96.1 %	85-115	
		(SP 1400200-003)	MS	ug/L	40.00	90.0 %	75-125	
			MSD	ug/L	40.00	96.9 %	75-125	
			MSRPD	ug/L	40.00	6.7%	≤20	
			PDS	ug/L	40.00	91.9 %	75-125	
Molybdenum	3010	01/16/14:200551AMB	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	95.0 %	85-115	
		(SP 1400200-003)	MS	ug/L	40.00	107 %	75-125	
			MSD	ug/L	40.00	109 %	75-125	
			MSRPD	ug/L	40.00	1.1%	≤20	
			PDS	ug/L	40.00	106 %	75-125	
Nickel	3010	01/16/14:200551AMB	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	93.7 %	85-115	
		(SP 1400200-003)	MS	ug/L	40.00	81.3 %	75-125	
			MSD	ug/L	40.00	91.8 %	75-125	
			MSRPD	ug/L	40.00	11.2%	≤20	
			PDS	ug/L	40.00	87.7 %	75-125	
Potassium	3010	01/17/14:200609amb	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	95.3 %	85-115	
		(CC 1480104-001)	MS	mg/L	12.00	106 %	75-125	
			MSD	mg/L	12.00	97.9 %	75-125	
			MSRPD	mg/L	0.8004	5.7%	≤20	
			PDS	mg/L	12.00	103 %	75-125	
Selenium	3010	01/16/14:200551AMB	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	102 %	80-120	

January 30, 2014 Lab ID : STK1430250
Northern California Power Agency Customer : 3-11629

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Selenium	3010		MS	ug/L	40.00	80.3 %	75-125	
		(SP 1400200-003)	MSD	ug/L	40.00	88.1 %	75-125	
			MSRPD	ug/L	40.00	9.0%	≤20	
			PDS	ug/L	40.00	81.9 %	75-125	
Silicon	3010	01/17/14:200609amb	Blank	mg/L		ND	<1	
			LCS	mg/L	2.400	89.4 %	85-115	
			MS	mg/L	2.400	105 %	75-125	
		(CC 1480104-001)	MSD	mg/L	2.400	110 %	75-125	
			MSRPD	mg/L	0.8004	2.0%	≤20.0	
			PDS	mg/L	2.400	111 %	75-125	
Silver	3010	01/16/14:200551AMB	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	99.4 %	85-115	
			MS	ug/L	40.00	92.2 %	75-125	
		(SP 1400200-003)	MSD	ug/L	40.00	90.0 %	75-125	
			MSRPD	ug/L	40.00	2.5%	≤20.0	
			PDS	ug/L	40.00	83.0 %	75-125	
Sodium	3010	01/17/14:200609amb	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	88.2 %	85-115	
			MS	mg/L	12.00	109 %	75-125	
		(CC 1480104-001)	MSD	mg/L	12.00	121 %	75-125	
			MSRPD	mg/L	0.8004	1.2%	≤20.0	
			PDS	mg/L	12.00	143 %	75-125	430
Vanadium	3010	01/16/14:200551AMB	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	96.1 %	85-115	
			MS	ug/L	40.00	91.3 %	75-125	
		(SP 1400200-003)	MSD	ug/L	40.00	101 %	75-125	
			MSRPD	ug/L	40.00	9.4%	≤20.0	
			PDS	ug/L	40.00	94.0 %	75-125	
Zinc	3010	01/16/14:200551AMB	Blank	ug/L		ND	<10	
			LCS	ug/L	40.00	104 %	85-115	
			MS	ug/L	40.00	86.4 %	75-125	
		(SP 1400200-003)	MSD	ug/L	40.00	102 %	75-125	
			MSRPD	ug/L	40.00	8.2%	≤20.0	
			PDS	ug/L	40.00	104 %	75-125	
Wet Chem								
Alkalinity (as CaCO3)	2320B	(CH 1470362-002)	Dup	mg/L		8.5%	3.42	440
	2320B	01/15/14:200696AMB	CCV	mg/L	234.9	92.6 %	90-110	
			CCV	mg/L	234.9	91.6 %	90-110	
Bicarbonate	2320B	(CH 1470362-002)	Dup	mg/L		8.5%	4.78	440
Carbonate	2320B	(CH 1470362-002)	Dup	mg/L		0.0	10	
Hydroxide	2320B	(CH 1470362-002)	Dup	mg/L		0.0	10	
Conductivity	2510B	01/10/14:200463CTL	ICB	umhos/cm		0.12	1	
			CCV	umhos/cm	998.0	100 %	95-105	
			CCV	umhos/cm	998.0	99.9 %	95-105	
E. C.	2510B	01/10/14:200370CTL	Blank	umhos/cm		ND	<1	
		(STK1430133-003)	Dup	umhos/cm		0.04%	10	
Solids, Total Dissolved	2540CE	01/14/14:200448CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	998.4	99.1 %	90-110	
		(CC 1480122-001)	Dup	mg/L		1.5%	10.0	
Solids, Suspended	2540D	01/09/14:310045JK	Blank	mg/kg		ND	<1	
			LCS	mg/kg	500.0	99.3 %	38-138	
		(STK140109P-195)	Dup	mg/L		%	28.7	
			LCS	mg/kg	500.0	99.8 %	38-138	
		(STK1430238-001)	Dup	mg/kg		1.2%	28.7	

January 30, 2014 Lab ID : STK1430250
Northern California Power Agency Customer : 3-11629

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Specific Gravity	2710 F	(STK1430250-001)	Dup	Unit		0.0%	20.0	
Chloride	300.0	01/10/14:200387CHL	Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	105 %	90-110	
			MS	mg/L	500.0	109 %	94-113	
		(VI 1440024-001)	MSD	mg/L	500.0	107 %	94-113	
			MSRPD	mg/L	100.0	1.4%	≤3	
			MS	mg/L	500.0	108 %	94-113	
		(VI 1440025-001)	MSD	mg/L	500.0	108 %	94-113	
			MSRPD	mg/L	100.0	0.5%	≤3	
	300.0	01/11/14:200588CHL	CCV	ppm	25.00	108 %	90-110	
			CCV	ppm	25.00	107 %	90-110	
Fluoride	300.0	01/10/14:200387CHL	Blank	mg/L		ND	<0.1	
			LCS	mg/L	2.500	104 %	90-110	
			MS	mg/L	50.00	106 %	93-112	
		(VI 1440024-001)	MSD	mg/L	50.00	106 %	93-112	
			MSRPD	mg/L	100.0	0.05%	≤5	
			MS	mg/L	50.00	108 %	93-112	
		(VI 1440025-001)	MSD	mg/L	50.00	107 %	93-112	
			MSRPD	mg/L	100.0	0.9%	≤5	
	300.0	01/11/14:200588CHL	CCV	ppm	2.500	104 %	90-110	
			CCV	ppm	2.500	103 %	90-110	
Nitrate	300.0	01/10/14:200387CHL	Blank	mg/L		ND	<0.4	
			LCS	mg/L	20.00	103 %	90-110	
			MS	mg/L	400.0	108 %	93-113	
		(VI 1440024-001)	MSD	mg/L	400.0	108 %	93-113	
			MSRPD	mg/L	100.0	0.4%	≤4	
			MS	mg/L	400.0	108 %	93-113	
		(VI 1440025-001)	MSD	mg/L	400.0	109 %	93-113	
			MSRPD	mg/L	100.0	0.3%	≤4	
	300.0	01/11/14:200588CHL	CCV	ppm	20.00	101 %	90-110	
			CCV	ppm	20.00	103 %	90-110	
Sulfate	300.0	01/10/14:200387CHL	Blank	mg/L		ND	<2	
			LCS	mg/L	50.00	104 %	90-110	
			MS	mg/L	1000	108 %	92-113	
		(VI 1440024-001)	MSD	mg/L	1000	107 %	92-113	
			MSRPD	mg/L	100.0	1.0%	≤4	
			MS	mg/L	1000	108 %	92-113	
		(VI 1440025-001)	MSD	mg/L	1000	107 %	92-113	
			MSRPD	mg/L	100.0	1.0%	≤4	
	300.0	01/11/14:200588CHL	CCV	ppm	50.00	103 %	90-110	
			CCV	ppm	50.00	104 %	90-110	
Phenols	420.1	01/21/14:200731CJJ	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	97.2 %	85-105	
			MS	mg/L	0.5000	91.2 %	60-105	
		(STK1430250-001)	MSD	mg/L	0.5000	94.2 %	60-105	
			MSRPD	mg/L	0.5000	0.015	≤0.1	
	420.1	01/21/14:200960CJJ	CCV	mg/L	1.000	107 %	90-110	
			CCB	mg/L		-0.007	0.1	
			CCV	mg/L	1.000	108 %	90-110	
			CCB	mg/L		-0.007	0.1	
Cyanide	4500CNCE	01/20/14:200897AMM	CCV	mg/L	0.1000	101 %	90-110	
			CCB	mg/L		0.00181	0.004	
			CCV	mg/L	0.1000	101 %	90-110	
			CCB	mg/L		0.00181	0.004	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Cyanide, Total	4500CNCE	01/20/14:200635AMM	Blank	mg/L		ND	<0.004	
			LCS	mg/L	0.1000	102 %	90-110	
			LCS	mg/L	0.4000	92.6 %	90-110	
			MS	mg/L	0.05000	108 %	26-226	
		(STK1430167-002)	MSD	mg/L	0.05000	110 %	26-226	
			MSRPD	mg/L	0.05000	2.5%	≤36	
BOD	5210B	01/09/14:300034CT	RgBlk	mg/L		-0.15	2	
			LCS	mg/L	198.0	100 %	84.6-115	
		(STK1430196-002)	Dup	mg/L		5.7%	15.9	
		(STK1430196-002)	Dup	mg/L		15.1%	15.9	
	5210B	01/14/14:300034SRG	CCV	mg/L	1.000	99.0 %	80-120	
			CCV	mg/L	1.000	99.0 %	80-120	

Definition	
PDS	: PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
<¼	: High Sample Background - Spike concentration was less than one forth of the sample concentration.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation	
430	: Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte.
440	: Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,1,1-Trichloroethane(TCA)	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	66-191	
		(STK1430160-001)	MSD	ug/L	10.00	115 %	66-191	
			MSRPD	ug/L	10.00	6.4%	≤21	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	120 %	75-125	
1,1,2,2-Tetrachloroethane	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.1 %	30-180	
		(STK1430160-001)	MSD	ug/L	10.00	98.6 %	30-180	
			MSRPD	ug/L	10.00	0.6%	≤19	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	97.7 %	60-140	
1,1,2-Trichloroethane	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	83.2 %	50-146	
		(STK1430160-001)	MSD	ug/L	10.00	85.8 %	50-146	
			MSRPD	ug/L	10.00	3.0%	≤25	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	96.9 %	71-129	
1,1-Dichloroethane	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	63-159	
		(STK1430160-001)	MSD	ug/L	10.00	103 %	63-159	
			MSRPD	ug/L	10.00	9.2%	≤22	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	108 %	72-128	
1,1-Dichloroethylene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	0-279	
		(STK1430160-001)	MSD	ug/L	10.00	115 %	0-279	
			MSRPD	ug/L	10.00	11.0%	≤36	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	116 %	51-150	
1,2-Dichlorobenzene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	109 %	57-153	
		(STK1430160-001)	MSD	ug/L	10.00	96.1 %	57-153	
			MSRPD	ug/L	10.00	12.3%	≤26	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	107 %	63-137	
1,2-Dichloroethane (EDC)	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	56-158	
		(STK1430160-001)	MSD	ug/L	10.00	101 %	56-158	
			MSRPD	ug/L	10.00	2.1%	≤24	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	97.8 %	68-132	
1,2-Dichloropropane	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	55-152	
		(STK1430160-001)	MSD	ug/L	10.00	99.4 %	55-152	
			MSRPD	ug/L	10.00	3.2%	≤23	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	102 %	34-166	
1,3-Dichlorobenzene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	53-159	
		(STK1430160-001)	MSD	ug/L	10.00	95.8 %	53-159	
			MSRPD	ug/L	10.00	11.6%	≤28	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	106 %	73-127	
1,4-Dichlorobenzene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	117 %	53-161	
		(STK1430160-001)	MSD	ug/L	10.00	104 %	53-161	
			MSRPD	ug/L	10.00	11.2%	≤27	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	115 %	63-137	
2-Butanone (MEK)	624	01/10/14:200359SBL	Blank	ug/L		ND	<40	
			MS	ug/L	40.00	81.9 %	0-211	
		(STK1430160-001)	MSD	ug/L	40.00	99.2 %	0-211	
			MSRPD	ug/L	10.00	6.9	≤40	
	624	01/10/14:200726SBL	CCV	ug/L	40.00	66.4 %	20-230	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2-Chloroethylvinyl ether	624	01/10/14:200359SBL	Blank	ug/L		ND	<10	
			MS	ug/L	40.00	73.3 %	0-11	435
		(STK1430160-001)	MSD	ug/L	40.00	33.9 %	0-11	435
			MSRPD	ug/L	10.00	16	≤10	435
	624	01/10/14:200726SBL	CCV	ug/L	40.00	107 %	0-224	
2-Hexanone	624	01/10/14:200359SBL	Blank	ug/L		ND	<30	
			MS	ug/L	40.00	93.1 %	0-190	
		(STK1430160-001)	MSD	ug/L	40.00	79.3 %	0-190	
			MSRPD	ug/L	10.00	5.5	≤30	
	624	01/10/14:200726SBL	CCV	ug/L	40.00	76.6 %	20-283	
4-Bromofluorobenzene	624	01/10/14:200359SBL	Blank	ug/L	10.00	107 %	70-161	
			MS	ug/L	10.00	109 %	58-151	
		(STK1430160-001)	MSD	ug/L	10.00	107 %	58-151	
			MSRPD	ug/L	10.00	1.5%	≤14	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	110 %	70-130	
4-Methyl-2-pentanone (MIBK)	624	01/10/14:200359SBL	Blank	ug/L		ND	<30	
			MS	ug/L	40.00	87.0 %	0-194	
		(STK1430160-001)	MSD	ug/L	40.00	86.0 %	0-194	
			MSRPD	ug/L	10.00	0.39	≤30	
	624	01/10/14:200726SBL	CCV	ug/L	40.00	86.5 %	20-233	
Acetone	624	01/10/14:200359SBL	Blank	ug/L		ND	<25	
			MS	ug/L	40.00	-23.6 %	0-270	435
		(STK1430160-001)	MSD	ug/L	40.00	58.9 %	0-270	
			MSRPD	ug/L	10.00	33	≤25	435
	624	01/10/14:200726SBL	CCV	ug/L	40.00	93.8 %	20-367	
Acrolein	624	01/10/14:200359SBL	Blank	ug/L		ND	<5	
			MS	ug/L	200.0	39.7 %	0-171	
		(STK1430160-001)	MSD	ug/L	200.0	39.2 %	0-171	
			MSRPD	ug/L	10.00	1.4%	≤50	
	624	01/10/14:200726SBL	CCV	ug/L	200.0	92.2 %	20-209	
Acrylonitrile	624	01/10/14:200359SBL	Blank	ug/L		ND	<2	
			MS	ug/L	200.0	105 %	0-244	
		(STK1430160-001)	MSD	ug/L	200.0	165 %	0-244	
			MSRPD	ug/L	10.00	45.1%	≤47	
	624	01/10/14:200726SBL	CCV	ug/L	200.0	129 %	20-278	
Benzene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	65-155	
		(STK1430160-001)	MSD	ug/L	10.00	111 %	65-155	
			MSRPD	ug/L	10.00	6.1%	≤21	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	112 %	64-136	
Bromodichloromethane	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.1 %	62-150	
		(STK1430160-001)	MSD	ug/L	10.00	96.4 %	62-150	
			MSRPD	ug/L	10.00	1.4%	≤22	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	98.4 %	65-135	
Bromoform	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	101 %	64-150	
		(STK1430160-001)	MSD	ug/L	10.00	106 %	64-150	
			MSRPD	ug/L	10.00	4.8%	≤16	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	113 %	71-129	
Bromomethane (Methyl Bromide)	624	01/10/14:200359SBL	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	140 %	48-196	
		(STK1430160-001)	MSD	ug/L	10.00	151 %	48-196	
			MSRPD	ug/L	10.00	7.4%	≤24	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Bromomethane (Methyl Bromide)	624	01/10/14:200726SBL	CCV	ug/L	10.00	179 %	14-186	
Carbon Disulfide	624	01/10/14:200359SBL	Blank	ug/L		ND	<5	
			MS	ug/L	40.00	127 %	0-230	
		(STK1430160-001)	MSD	ug/L	40.00	135 %	0-230	
			MSRPD	ug/L	10.00	5.8%	≤72	
	624	01/10/14:200726SBL	CCV	ug/L	40.00	129 %	20-242	
Carbon Tetrachloride	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	100 %	69-206	
		(STK1430160-001)	MSD	ug/L	10.00	98.2 %	69-206	
			MSRPD	ug/L	10.00	2.1%	≤19	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	117 %	73-127	
Chlorobenzene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	96.8 %	69-152	
		(STK1430160-001)	MSD	ug/L	10.00	95.7 %	69-152	
			MSRPD	ug/L	10.00	1.2%	≤24	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	98.0 %	66-134	
Chloroethane (Ethyl Chloride)	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	142 %	53-214	
		(STK1430160-001)	MSD	ug/L	10.00	157 %	53-214	
			MSRPD	ug/L	10.00	9.9%	≤32	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	183 %	38-162	360
Chloroform	624	01/10/14:200359SBL	Blank	ug/L		ND	<1	
			MS	ug/L	10.00	112 %	55-155	
		(STK1430160-001)	MSD	ug/L	10.00	104 %	55-155	
			MSRPD	ug/L	10.00	7.0%	≤22	
	624	01/17/14:200815SBL	CCV	ug/L	10.00	79.3 %	67-133	
Chloromethane(Methyl Chloride)	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	71.5 %	33-202	
		(STK1430160-001)	MSD	ug/L	10.00	81.4 %	33-202	
			MSRPD	ug/L	10.00	11.6%	≤25	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	106 %	0-204	
cis-1,3-Dichloropropene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.6 %	59-142	
		(STK1430160-001)	MSD	ug/L	10.00	97.9 %	59-142	
			MSRPD	ug/L	10.00	0.7%	≤23	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	106 %	24-176	
Dibromochloromethane	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.8 %	53-151	
		(STK1430160-001)	MSD	ug/L	10.00	92.7 %	53-151	
			MSRPD	ug/L	10.00	4.3%	≤25	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	96.8 %	67-133	
Dichloromethane	624	01/10/14:200359SBL	Blank	ug/L		ND	<2	
			MS	ug/L	10.00	108 %	24-207	
		(STK1430160-001)	MSD	ug/L	10.00	98.7 %	24-207	
			MSRPD	ug/L	10.00	8.1%	≤33	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	105 %	60-139	
Ethylbenzene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	45-194	
		(STK1430160-001)	MSD	ug/L	10.00	119 %	45-194	
			MSRPD	ug/L	10.00	7.4%	≤31	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	123 %	59-141	
Fluorobenzene	624	01/10/14:200359SBL	Blank	ug/L	10.00	106 %	72-139	
			MS	ug/L	10.00	107 %	90-121	
		(STK1430160-001)	MSD	ug/L	10.00	105 %	90-121	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Fluorobenzene	624	01/10/14:200359SBL	MSRPD	ug/L	10.00	2.2%	≤3	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	106 %	70-130	
Freon-11	624	01/10/14:200359SBL	Blank	ug/L		ND	<2.0	
			MS	ug/L	10.00	58.9 %	57-259	
		(STK1430160-001)	MSD	ug/L	10.00	66.7 %	57-259	
			MSRPD	ug/L	10.00	0.77	≤2.0	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	107 %	48-152	
Methyl tert-Butyl Ether (MTBE)	624	01/10/14:200359SBL	Blank	ug/L		ND	<5	
			MS	ug/L	10.00	105 %	26-210	
		(STK1430160-001)	MSD	ug/L	10.00	105 %	26-210	
			MSRPD	ug/L	10.00	0.070	≤5	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	107 %	63-178	
Pentafluorobenzene	624	01/10/14:200359SBL	Blank	ug/L	10.00	111 %	59-151	
			MS	ug/L	10.00	119 %	74-148	
		(STK1430160-001)	MSD	ug/L	10.00	112 %	74-148	
			MSRPD	ug/L	10.00	5.8%	≤10	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	121 %	70-130	
Styrene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	6-195	
		(STK1430160-001)	MSD	ug/L	10.00	113 %	6-195	
			MSRPD	ug/L	10.00	5.3%	≤25	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	118 %	67-158	
Tetrachloroethylene (PCE)	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	63-171	
		(STK1430160-001)	MSD	ug/L	10.00	108 %	63-171	
			MSRPD	ug/L	10.00	6.1%	≤26	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	112 %	73-127	
Toluene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	65-160	
		(STK1430160-001)	MSD	ug/L	10.00	102 %	65-160	
			MSRPD	ug/L	10.00	2.8%	≤25	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	105 %	74-126	
trans-1,2-Dichloroethylene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	68-179	
		(STK1430160-001)	MSD	ug/L	10.00	115 %	68-179	
			MSRPD	ug/L	10.00	9.3%	≤51	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	118 %	69-131	
trans-1,3-Dichloropropene	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	82.0 %	55-148	
		(STK1430160-001)	MSD	ug/L	10.00	85.1 %	55-148	
			MSRPD	ug/L	10.00	3.8%	≤25	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	93.8 %	50-150	
Trichloroethylene (TCE)	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	54-178	
		(STK1430160-001)	MSD	ug/L	10.00	115 %	54-178	
			MSRPD	ug/L	10.00	6.6%	≤22	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	122 %	66-134	
Vinyl Acetate	624	01/10/14:200359SBL	Blank	ug/L		ND	<100.	
			MS	ug/L	40.00	172 %	0-331	
		(STK1430160-001)	MSD	ug/L	40.00	141 %	0-331	
			MSRPD	ug/L	10.00	12	≤100.	
	624	01/10/14:200726SBL	CCV	ug/L	40.00	102 %	20-393	
Vinyl Chloride	624	01/10/14:200359SBL	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	32-217	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Vinyl Chloride	624	(STK1430160-001)	MSD	ug/L	10.00	122 %	32-217	
			MSRPD	ug/L	10.00	6.5%	≤26	
	624	01/10/14:200726SBL	CCV	ug/L	10.00	133 %	4-196	
Xylenes m,p	624	01/10/14:200359SBL	Blank	ug/L		ND	<1.0	
			MS	ug/L	20.00	122 %	50-181	
		(STK1430160-001)	MSD	ug/L	20.00	114 %	50-181	
			MSRPD	ug/L	10.00	7.1%	≤30	
	624	01/10/14:200726SBL	CCV	ug/L	20.00	118 %	45-170	
1,2,4-Trichlorobenzene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	43.8 %	15-62	
			BS	ug/L	10.00	37.6 %	0-112	
			BSD	ug/L	10.00	63.0 %	0-112	
			BSRPD	ug/L	20.00	50.5%	≤11	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	93.9 %	80-120	
1,2-Dichlorobenzene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	42.1 %	13-67	
			BS	ug/L	10.00	35.7 %	0-111	
			BSD	ug/L	10.00	61.1 %	0-111	
			BSRPD	ug/L	20.00	2.5	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	92.8 %	80-120	
1,2-Diphenylhydrazine	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	55.4 %	20-88	
			BS	ug/L	10.00	49.2 %	3-122	
			BSD	ug/L	10.00	70.0 %	3-122	
			BSRPD	ug/L	20.00	35.0%	≤68	
1,3-Dichlorobenzene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	39.2 %	12-64	
			BS	ug/L	10.00	33.7 %	0-105	
			BSD	ug/L	10.00	58.8 %	0-105	
			BSRPD	ug/L	20.00	2.5	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	92.8 %	80-120	
1,4-Dichlorobenzene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	40.4 %	13-65	
			BS	ug/L	10.00	34.8 %	0-109	
			BSD	ug/L	10.00	60.4 %	0-109	
			BSRPD	ug/L	20.00	2.6	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	94.5 %	80-120	
2,4,6-Tribromophenol	625	01/13/14:200412CCG	Blank	ug/L	20.00	32.6 %	15-124	
			LCS	ug/L	20.00	54.0 %	15-124	
			BS	ug/L	20.00	52.1 %	0-132	
			BSD	ug/L	20.00	74.4 %	0-132	
			BSRPD	ug/L	20.00	35.2%	≤38	
	625	01/21/14:200974VRG	CCV	mg/L	20.00	103 %	80-120	
2,4,6-Trichlorophenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	53.9 %	17-70	
			BS	ug/L	20.00	48.0 %	0-171	
			BSD	ug/L	20.00	73.4 %	0-171	
			BSRPD	ug/L	20.00	41.9%	≤77	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	108 %	80-120	
2,4-Dichlorophenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	46.5 %	20-64	
			BS	ug/L	20.00	38.8 %	0-132	
			BSD	ug/L	20.00	68.0 %	0-132	
			BSRPD	ug/L	20.00	54.7%	≤29	410

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,4-Dichlorophenol	625	01/21/14:200974VRG	CCV	mg/L	10.00	106 %	80-120	
2,4-Dimethylphenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	41.7 %	24-79	
			BS	ug/L	20.00	34.8 %	0-110	
			BSD	ug/L	20.00	60.1 %	0-110	
			BSRPD	ug/L	20.00	5.1	≤2	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	112 %	80-120	
2,4-Dinitrophenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	44.9 %	3-39	310
			BS	ug/L	20.00	44.9 %	0-100	
			BSD	ug/L	20.00	62.5 %	0-100	
			BSRPD	ug/L	20.00	3.5	≤5	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	83.4 %	80-120	
2,4-Dinitrotoluene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	58.9 %	15-87	
			BS	ug/L	10.00	55.1 %	0-139	
			BSD	ug/L	10.00	74.9 %	0-139	
			BSRPD	ug/L	20.00	30.5%	≤39	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	101 %	80-120	
2,6-Dinitrotoluene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	56.6 %	21-78	
			BS	ug/L	10.00	54.0 %	0-131	
			BSD	ug/L	10.00	76.1 %	0-131	
			BSRPD	ug/L	20.00	33.9%	≤43	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	101 %	80-120	
2-Chlorophenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	47.4 %	19-74	
			BS	ug/L	20.00	41.0 %	0-127	
			BSD	ug/L	20.00	68.0 %	0-127	
			BSRPD	ug/L	20.00	49.5%	≤11	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	103 %	80-120	
2-Fluorobiphenyl	625	01/13/14:200412CCG	Blank	ug/L	10.00	27.2 %	16-104	
			LCS	ug/L	10.00	47.7 %	16-104	
			BS	ug/L	10.00	40.6 %	0-109	
			BSD	ug/L	10.00	63.0 %	0-109	
			BSRPD	ug/L	20.00	43.1%	≤14	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	101 %	80-120	
2-Fluorophenol	625	01/13/14:200412CCG	Blank	ug/L	20.00	28.7 %	20-98	
			LCS	ug/L	20.00	41.6 %	20-98	
			BS	ug/L	20.00	35.6 %	0-126	
			BSD	ug/L	20.00	62.8 %	0-126	
			BSRPD	ug/L	20.00	55.4%	≤79	
	625	01/21/14:200974VRG	CCV	mg/L	20.00	98.5 %	80-120	
2-Nitrophenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	47.4 %	20-72	
			BS	ug/L	20.00	42.2 %	0-142	
			BSD	ug/L	20.00	66.5 %	0-142	
			BSRPD	ug/L	20.00	44.7%	≤39	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	109 %	80-120	
3,3-Dichlorobenzidine	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	31.4 %	10-45	
			BS	ug/L	20.00	25.6 %	0-56	
			BSD	ug/L	20.00	28.4 %	0-56	
			BSRPD	ug/L	20.00	0.57	≤2	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
3,3-Dichlorobenzidine	625	01/21/14:200974VRG	CCV	mg/L	30.00	105 %	80-120	
4,6-Dinitro-2-methylphenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	58.4 %	4-58	
			BS	ug/L	20.00	59.8 %	0-169	
			BSD	ug/L	20.00	82.4 %	0-169	
			BSRPD	ug/L	20.00	31.7%	≤270	
4,6-Dinitro-o-cresol	625	01/21/14:200974VRG	CCV	mg/L	10.00	88.7 %	80-120	
4-Bromophenylphenylether	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	56.3 %	19-68	
			BS	ug/L	10.00	52.1 %	0-123	
			BSD	ug/L	10.00	73.7 %	0-123	
			BSRPD	ug/L	20.00	34.3%	≤67	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	95.4 %	80-120	
4-Nitrophenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	51.9 %	4-75	
			BS	ug/L	20.00	45.0 %	0-206	
			BSD	ug/L	20.00	52.7 %	0-206	
			BSRPD	ug/L	20.00	1.5	≤2	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	95.8 %	80-120	
Acenaphthene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	51.7 %	19-76	
			BS	ug/L	10.00	45.4 %	0-125	
			BSD	ug/L	10.00	70.0 %	0-125	
			BSRPD	ug/L	20.00	42.7%	≤81	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	99.4 %	80-120	
Acenaphthylene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	43.7 %	11-76	
			BS	ug/L	10.00	38.9 %	0-103	
			BSD	ug/L	10.00	59.5 %	0-103	
			BSRPD	ug/L	20.00	2.1	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	108 %	80-120	
Anthracene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	58.4 %	20-77	
			BS	ug/L	10.00	54.6 %	0-131	
			BSD	ug/L	10.00	76.2 %	0-131	
			BSRPD	ug/L	20.00	33.1%	≤65	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	106 %	80-120	
Azobenzene	625	01/21/14:200974VRG	CCV	mg/L	10.00	98.9 %	80-120	
Benzidine	625	01/13/14:200412CCG	Blank	ug/L		ND	<10	
			LCS	ug/L	20.00	0.0 %	0-97	
			BS	ug/L	20.00	0.0 %	0-97	
			BSD	ug/L	20.00	17.6 %	0-97	
			BSRPD	ug/L	20.00	3.5	≤10	
	625	01/21/14:200974VRG	CCV	mg/L	30.00	104 %	70-130	
Benzo(a)anthracene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	63.5 %	19-75	
			BS	ug/L	10.00	61.9 %	4-131	
			BSD	ug/L	10.00	76.7 %	4-131	
			BSRPD	ug/L	20.00	21.3%	≤36	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	98.6 %	80-120	
Benzo(a)pyrene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	56.8 %	8-65	
			BS	ug/L	10.00	52.5 %	2-122	
			BSD	ug/L	10.00	70.3 %	2-122	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Benzo(a)pyrene	625	01/13/14:200412CCG	BSRPD	ug/L	20.00	28.9%	≤80	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	97.5 %	80-120	
Benzo(b)fluoranthene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	62.2 %	12-70	
			BS	ug/L	10.00	60.5 %	7-121	
			BSD	ug/L	10.00	75.9 %	7-121	
			BSRPD	ug/L	20.00	22.6%	≤93	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	96.7 %	80-120	
Benzo(g,h,i)perylene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	65.0 %	9-67	
			BS	ug/L	10.00	60.9 %	0-141	
			BSD	ug/L	10.00	76.4 %	0-141	
			BSRPD	ug/L	20.00	22.6%	≤83	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	98.9 %	80-120	
Benzo(k)fluoranthene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	64.9 %	16-62	310
			BS	ug/L	10.00	61.7 %	0-161	
			BSD	ug/L	10.00	76.0 %	0-161	
			BSRPD	ug/L	20.00	20.8%	≤74	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	95.4 %	80-120	
bis(2-Chloroethoxy)methane	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	46.9 %	8-89	
			BS	ug/L	10.00	41.9 %	0-120	
			BSD	ug/L	10.00	59.7 %	0-120	
			BSRPD	ug/L	20.00	35.2%	≤42	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	95.1 %	80-120	
bis(2-Chloroethyl)ether	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	56.0 %	22-109	
			BS	ug/L	10.00	48.0 %	0-165	
			BSD	ug/L	10.00	84.1 %	0-165	
			BSRPD	ug/L	20.00	54.6%	≤74	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	94.3 %	80-120	
bis(2-Chloroisopropyl)ether	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	47.8 %	27-105	
			BS	ug/L	10.00	41.7 %	0-117	
			BSD	ug/L	10.00	66.4 %	0-117	
			BSRPD	ug/L	20.00	45.8%	≤14	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	80.1 %	80-120	
bis(2-Ethylhexyl)phthalate	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	86.7 %	12-78	310
			BS	ug/L	10.00	65.1 %	0-133	
			BSD	ug/L	10.00	81.7 %	0-133	
			BSRPD	ug/L	20.00	1.7	≤2	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	103 %	80-120	
Butylbenzylphthalate	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	38.3 %	1-53	
			BS	ug/L	10.00	31.9 %	0-97	
			BSD	ug/L	10.00	44.1 %	0-97	
			BSRPD	ug/L	20.00	1.2	≤2	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	100 %	80-120	
Chloronaphthalene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	49.3 %	18-78	
			BS	ug/L	10.00	42.5 %	0-204	
			BSD	ug/L	10.00	67.5 %	0-204	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Chloronaphthalene	625	01/13/14:200412CCG	BSRPD	ug/L	20.00	45.5%	≤88	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	97.7 %	80-120	
Chlorophenylphenylether	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	55.3 %	20-74	
			BS	ug/L	10.00	50.1 %	0-128	
			BSD	ug/L	10.00	71.9 %	0-128	
			BSRPD	ug/L	20.00	35.7%	≤73	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	98.1 %	80-120	
Chrysene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	63.3 %	20-71	
			BS	ug/L	10.00	61.4 %	0-141	
			BSD	ug/L	10.00	76.2 %	0-141	
			BSRPD	ug/L	20.00	21.5%	≤84	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	98.7 %	80-120	
Dibenzo(a,h)anthracene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	64.2 %	13-66	
			BS	ug/L	10.00	61.3 %	0-141	
			BSD	ug/L	10.00	81.5 %	0-141	
			BSRPD	ug/L	20.00	28.3%	≤81	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	99.6 %	80-120	
Diethylphthalate	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	34.6 %	11-63	
			BS	ug/L	10.00	31.7 %	0-115	
			BSD	ug/L	10.00	48.7 %	0-115	
			BSRPD	ug/L	20.00	1.7	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	101 %	80-120	
Dimethylphthalate	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	26.8 %	4-37	
			BS	ug/L	10.00	24.5 %	0-102	
			BSD	ug/L	10.00	41.1 %	0-102	
			BSRPD	ug/L	20.00	1.7	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	100 %	80-120	
Di-n-butylphthalate	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	53.2 %	9-54	
			BS	ug/L	10.00	46.0 %	0-102	
			BSD	ug/L	10.00	64.3 %	0-102	
			BSRPD	ug/L	20.00	1.8	≤2	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	118 %	80-120	
Di-n-octylphthalate	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	74.4 %	0-50	310
			BS	ug/L	10.00	75.0 %	12-122	
			BSD	ug/L	10.00	93.2 %	12-122	
			BSRPD	ug/L	20.00	21.6%	≤90	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	116 %	80-120	
Fluoranthene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	66.4 %	20-72	
			BS	ug/L	10.00	63.7 %	0-140	
			BSD	ug/L	10.00	81.4 %	0-140	
			BSRPD	ug/L	20.00	24.5%	≤55	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	105 %	80-120	
Fluorene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	56.9 %	24-89	
			BS	ug/L	10.00	51.4 %	0-136	
			BSD	ug/L	10.00	74.9 %	0-136	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Fluorene	625	01/13/14:200412CCG	BSRPD	ug/L	20.00	37.2%	≤65	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	101 %	80-120	
Hexachlorobenzene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	54.2 %	19-65	
			BS	ug/L	10.00	50.4 %	0-126	
			BSD	ug/L	10.00	73.1 %	0-126	
			BSRPD	ug/L	20.00	36.7%	≤73	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	94.0 %	80-120	
Hexachlorobutadiene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	39.4 %	12-60	
			BS	ug/L	10.00	33.9 %	0-110	
			BSD	ug/L	10.00	59.4 %	0-110	
			BSRPD	ug/L	20.00	2.5	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	92.6 %	80-120	
Hexachlorocyclopentadiene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	13.0 %	8-28	
			BS	ug/L	10.00	9.0 %	0-284	
			BSD	ug/L	10.00	19.2 %	0-284	
			BSRPD	ug/L	20.00	1.0	≤1	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	93.8 %	80-120	
Hexachloroethane	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	36.9 %	13-74	
			BS	ug/L	10.00	31.3 %	0-108	
			BSD	ug/L	10.00	55.6 %	0-108	
			BSRPD	ug/L	20.00	2.4	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	92.0 %	80-120	
Indeno(1,2,3-c,d)pyrene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	65.8 %	10-66	
			BS	ug/L	10.00	61.6 %	0-141	
			BSD	ug/L	10.00	81.2 %	0-141	
			BSRPD	ug/L	20.00	27.4%	≤84	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	100 %	80-120	
Isophorone	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	45.5 %	20-76	
			BS	ug/L	10.00	38.5 %	0-116	
			BSD	ug/L	10.00	51.0 %	0-116	
			BSRPD	ug/L	20.00	1.2	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	90.6 %	80-120	
Naphthalene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	51.7 %	17-76	
			BS	ug/L	10.00	44.7 %	0-121	
			BSD	ug/L	10.00	72.7 %	0-121	
			BSRPD	ug/L	20.00	47.8%	≤66	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	103 %	80-120	
Nitrobenzene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	47.1 %	32-127	
			BS	ug/L	10.00	41.1 %	0-176	
			BSD	ug/L	10.00	71.8 %	0-176	
			BSRPD	ug/L	20.00	54.5%	≤50	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	91.7 %	80-120	
Nitrobenzene-d5	625	01/13/14:200412CCG	Blank	ug/L	10.00	29.8 %	21-99	
			LCS	ug/L	10.00	46.5 %	21-99	
			BS	ug/L	10.00	39.9 %	0-115	
			BSD	ug/L	10.00	64.6 %	0-115	

January 30, 2014 Lab ID : STK1430250
Northern California Power Agency Customer : 3-11629

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Nitrobenzene-d5	625	01/13/14:200412CCG	BSRPD	ug/L	20.00	47.3%	≤32	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	99.8 %	80-120	
N-Nitrosodimethylamine	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	40.4 %	22-85	
			BS	ug/L	10.00	33.9 %	0-114	
			BSD	ug/L	10.00	61.4 %	0-114	
			BSRPD	ug/L	20.00	2.7	≤2	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	96.3 %	80-120	
N-Nitrosodi-N-propylamine	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	47.5 %	28-98	
			BS	ug/L	10.00	39.2 %	0-140	
			BSD	ug/L	10.00	60.3 %	0-140	
			BSRPD	ug/L	20.00	2.1	≤1	410
	625	01/21/14:200974VRG	CCV	mg/L	10.00	90.5 %	80-120	
N-Nitrosodiphenylamine	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	61.9 %	24-100	
			BS	ug/L	10.00	56.7 %	4-132	
			BSD	ug/L	10.00	77.1 %	4-132	
			BSRPD	ug/L	20.00	30.5%	≤76	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	104 %	80-120	
p-Chloro-m-cresol	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	50.6 %	19-87	
			BS	ug/L	20.00	46.8 %	0-144	
			BSD	ug/L	20.00	73.8 %	0-144	
			BSRPD	ug/L	20.00	44.6%	≤65	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	106 %	80-120	
Pentachlorophenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	46.4 %	0-66	
			BS	ug/L	20.00	48.9 %	0-128	
			BSD	ug/L	20.00	62.6 %	0-128	
			BSRPD	ug/L	20.00	24.5%	≤56	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	103 %	80-120	
Phenanthrene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	61.3 %	20-70	
			BS	ug/L	10.00	57.3 %	0-131	
			BSD	ug/L	10.00	79.7 %	0-131	
			BSRPD	ug/L	20.00	32.6%	≤39	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	105 %	80-120	
Phenol	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	42.9 %	20-80	
			BS	ug/L	20.00	36.6 %	0-120	
			BSD	ug/L	20.00	62.3 %	0-120	
			BSRPD	ug/L	20.00	52.1%	≤112	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	105 %	80-120	
Phenol-d6	625	01/13/14:200412CCG	Blank	ug/L	20.00	25.4 %	18-103	
			LCS	ug/L	20.00	41.7 %	18-103	
			BS	ug/L	20.00	35.5 %	0-125	
			BSD	ug/L	20.00	60.5 %	0-125	
			BSRPD	ug/L	20.00	52.1%	≤99	
	625	01/21/14:200974VRG	CCV	mg/L	20.00	99.2 %	80-120	
p-Terphenyl-d14	625	01/13/14:200412CCG	Blank	ug/L	10.00	59.4 %	13-142	
			LCS	ug/L	10.00	61.1 %	13-142	
			BS	ug/L	10.00	59.8 %	2-135	
			BSD	ug/L	10.00	72.9 %	2-135	

January 30, 2014 Lab ID : STK1430250
Northern California Power Agency Customer : 3-11629

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
p-Terphenyl-d14	625	01/13/14:200412CCG	BSRPD	ug/L	20.00	19.7%	≤38	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	98.0 %	80-120	
Pyrene	625	01/13/14:200412CCG	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	64.1 %	15-78	
			BS	ug/L	10.00	63.2 %	1-133	
			BSD	ug/L	10.00	79.5 %	1-133	
			BSRPD	ug/L	20.00	22.8%	≤40	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	107 %	80-120	
Pyridine	625	01/13/14:200412CCG	Blank	ug/L		ND	<10	
			LCS	ug/L	10.00	2.1 %	0-34	
			BS	ug/L	10.00	1.7 %	0-92	
			BSD	ug/L	10.00	13.6 %	0-92	
			BSRPD	ug/L	20.00	1.2	≤10	
	625	01/21/14:200974VRG	CCV	mg/L	10.00	93.9 %	80-120	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

310	: LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
410	: Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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32512:01/06/2014

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

G025

Client: Northern California Power Agency
Address: P.O. Box 1478
Lodi, CA 95241-1478

Phone: (209)333-6372 Fax: (209)333-6374
Contact Person: Brad Rusk
Project Name: WW Storage Tank
Purchase Order Number:
Quote Number:
Sampler(s) Brian M.
Sampling Fee: ____ Pickup Fee: ____
Compositor Setup Date: __/__/__ Time: __/__
Lab Number: STK 1430250 3-11629

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bact Type: Other(O) System(SYS) Source(SR) Waste(W)	Bact Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Metals, Total-As,Ba,B,Cd,Ca,Cr,Cu,Hardness, Pb,Mn,Hg,Mo,Ni,K,Se,Silica,Ag,Na,V,Zn 250ml(P)-HNO3 , 16oz(P)	Wet Chemistry-SO4,TSS,TDS,Phenols,NO3,F,Cyanide,Conductivity,Cl,BOD,Alk. (CaCO3)	BOD, TSS - Analyze in STK 32oz(P), 8oz(P), 1000ml(AGT)-H2SO4 , 32oz(P), 16oz(P)-NaOH, 8oz(P)	EPA 624 40ml(VOA)-HCl , 250ml(AGT)	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	Wet Chemistry-Grav_Spc	EPA 625 1000ml(AGT)			
1	WW Storage Tank	1/9/14	1320	G	WW	NP			1,1	1,1,1,1,1,1		2,1	7.44	1/9	1320	X	1			

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	1/9/14	1410	[signature]	1/9/14	1700	[signature]		
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
[signature]	1/9/14	1410	[signature]	1/9/14	1700	[signature]	1/10/14	1100

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2000
Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
Phone: (209) 942-0182
Fax: (209) 942-0423

Office & Laboratory
563 E. Lindo
Chico, CA 95926
Phone: (530) 343-5818
Fax: (530) 343-3807

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
Phone: (805) 783-2940
Fax: (805) 783-2912

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
Phone: (559) 734-9473
Fax: (559) 734-8435

Inter-Laboratory Condition Upon Receipt (Attach to COC) 1430250

Sample Receipt at: (STK) CC CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # ______
2. Were samples received in a chilled condition? Temps: ___ / ___ / ___ / ___ / ___
   Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
3. Do the number of bottles received agree with the COC? (Yes) No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) (Yes) No
5. VOAs checked for Headspace? (Yes) No N/A
6. Were sample custody seals intact? Yes No (N/A)
7. If required, was sample split for pH analysis? Yes No (N/A)
8. Were all analyses within holding times at time of receipt? (Yes) No
9. Verify sample date, time sampler (Yes) No

Sign and date the COC, place in a ziplock and put ~~in the~~ same ice chest as the samples.
Sample Receipt Review completed by (initials): ______

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 2.3 / ___ / ___ / ___ / ___
   Acceptable is above freezing to 6° C. If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers:
   D10010050158889/72243
3. Do the number of bottles received agree with the COC? (Yes) No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) (Yes) No
5. Were sample custody seals intact? Yes No (N/A)

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? (Yes) No
2. Did bottle labels correspond with the client's ID's? (Yes) No
3. Were all bottles requiring sample preservation properly preserved? (Yes) No N/A FGL
4. VOAs checked for Headspace? Yes No N/A
5. Have rush or project due dates been checked and accepted? Yes No (N/A)

Attach labels to the containers and include a copy of the COC for lab delivery.
Sample Receipt, Login and Verification completed by (initials): ______

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: ______ Phone Number: ______
   Initiated By: ______ Date: ______
   Problem:
   Resolution:

2. Person Contacted: ______ Phone Number: ______
   Initiated By: ______
   Problem:
   Resolution:

(3-11629)
Northern California Power Agency
STK1430250
SRP-01/10/2014-12:27:32

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(Please use the back of this sheet for additional contacts)