

SDMS Doc ID 2027738



# NEL LABORATORIES

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**2027738**

RSSN

RSSN

7900 Vegas Valley Drive

Las Vegas, NV 89142

TEL: 702-431-3020

RE Project: DPW-15B

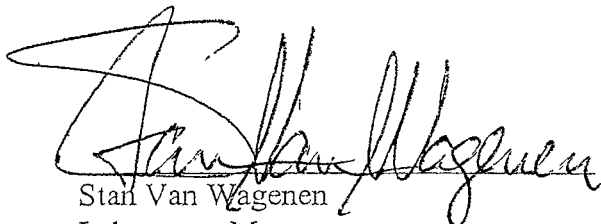
Order No.: L0205127

Dear RSSN:

NEL Laboratories, Las Vegas received 3 samples on 5/9/02 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications unless noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.



Stan Van Wagenen  
Laboratory Manager

5/22/02  
Date

Certifications:	Reno	Las Vegas
Arizona	AZ0520	AZ0518
California	1707	2002
Idaho	Certified	Certified
Montana	Certified	Certified
Nevada	NV033	NV052
New Mexico	Certified	Certified
US Army Corps of Engineers		Certified

Albuquerque  
866.360.5726

Boise  
800.200.2952

Las Vegas  
888.368.3282

Phoenix  
888.238.2514

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800.368.5221

Sacramento  
800.368.5221

NEL Laboratories, Las Vegas

Date: 22-May-02

CLIENT: RSSN  
Project: DPW-15B  
Lab Order: L0205127

CASE NARRATIVE

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Attached are the analytical results for samples in support of the above referenced project.

The samples submitted for this project were not sampled by NEL. Should you have any questions or comments, please feel free to contact our Client Services Department.

Analytical Comments:

EPA 8260. Samples were evaluated for the presence of Acrylonitrile and trans-1,4-Dichloro-2-butene. Neither of these two compounds were present in the samples submitted in this work-order at or above 5ppb.

# NEL LABORATORIES

CLIENT: RSSN  
 PROJECT ID: DPW-15B  
 PROJECT #: DPW-15B  
 MATRIX: AQUEOUS

CLIENT ID: DPW-15B  
 DATE SAMPLED: 5/9/02  
 NEL SAMPLE ID: L0205127-001A

Parameter	Result	Unit	Reporting		Method	Prep Date	Analyzed	Analyst
			Limit	DF				
Acetone	ND	µg/L	25	1	SW8260B	05/16/02	DRM-LV	
Benzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Bromobenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Bromochloromethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Bromodichloromethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Bromoform	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Bromomethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
2-Butanone	ND	µg/L	25	1	SW8260B	05/16/02	DRM-LV	
n-Butylbenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
sec-Butylbenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
tert-Butylbenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Carbon disulfide	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Carbon tetrachloride	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Chlorobenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Chloroethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
2-Chloroethyl vinyl ether	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Chloroform	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Chloromethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
2-Chlorotoluene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
4-Chlorotoluene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Dibromochloromethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,2-Dibromo-3-chloropropane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,2-Dibromoethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Dibromomethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,2-Dichlorobenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,3-Dichlorobenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,4-Dichlorobenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Dichlorodifluoromethane	7.8	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,1-Dichloroethane	8.7	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,2-Dichloroethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,1-Dichloroethene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
cis-1,2-Dichloroethene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
trans-1,2-Dichloroethene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,2-Dichloropropane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,3-Dichloropropane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
2,2-Dichloropropane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,1-Dichloropropene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
cis-1,3-Dichloropropene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
trans-1,3-Dichloropropene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Ethylbenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Hexachlorobutadiene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
2-Hexanone	ND	µg/L	25	1	SW8260B	05/16/02	DRM-LV	
Iodomethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Isopropylbenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	

ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

Date: 22-May-02

E - Value above quantitation range

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# NEL LABORATORIES

CLIENT: RSSN  
 PROJECT ID: DPW-15B  
 PROJECT #: DPW-15B  
 MATRIX: AQUEOUS

CLIENT ID: DPW-15B  
 DATE SAMPLED: 5/9/02  
 NEL SAMPLE ID: L0205127-001A

Parameter	Result	Unit	Reporting		Method	Prep Date	Analyzed	Analyst
			Limit	DF				
p-Isopropyltoluene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Methylene chloride	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
4-Methyl-2-pentanone	ND	µg/L	25	1	SW8260B	05/16/02	DRM-LV	
Methyl t-butyl ether (MTBE)	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Naphthalene	ND	µg/L	10	1	SW8260B	05/16/02	DRM-LV	
n-Propylbenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Styrene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,1,1,2-Tetrachloroethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,1,2,2-Tetrachloroethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Tetrachloroethene	33	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Toluene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,2,3-Trichlorobenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,2,4-Trichlorobenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,1,1-Trichloroethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,1,2-Trichloroethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Trichloroethene	6.6	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Trichlorofluoromethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,2,3-Trichloropropane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,2,4-Trimethylbenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,3,5-Trimethylbenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Vinyl acetate	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Vinyl chloride	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
o-Xylene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
m,p-Xylene	ND	µg/L	10	1	SW8260B	05/16/02	DRM-LV	
Surr: Dibromofluoromethane	119	%REC	34.8-158	1	SW8260B	05/16/02	DRM-LV	
Surr: Toluene-d8	85.6	%REC	80-122	1	SW8260B	05/16/02	DRM-LV	
Surr: 4-Bromofluorobenzene	143	%REC	64.1-145	1	SW8260B	05/16/02	DRM-LV	

ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

Date: 22-May-02

E - Value above quantitation range

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# NEL LABORATORIES

**CLIENT:** RSSN  
**PROJECT ID:** DPW-15B  
**PROJECT #:** DPW-15B  
**MATRIX:** AQUEOUS

**CLIENT ID:** DPW-15B  
**DATE SAMPLED:** 5/9/02  
**NEL SAMPLE ID:** L0205127-001B

Parameter	Result	Unit	Reporting		Method	Prep Date	Analyzed	Analyst
			Limit	DF				
Chloride	48	mg/L	10	100	EPA 300 0		05/15/02	RDA-LV
Nitrate, as N	ND	mg/L	2.5	25	EPA 300 0		05/09/02	PJJ-LV
Nitrite, as N	ND	mg/L	2.5	25	EPA 300 0		05/09/02	PJJ-LV
Sulfate	2100	mg/L	50	500	EPA 300 0		05/14/02	RDA-LV
Alkalinity, Bicarbonate (As CaCO3)	310	mg/L	25	1	SM2320 B		05/13/02	RDA-LV
Alkalinity, Carbonate (As CaCO3)	ND	mg/L	25	1	SM2320 B		05/13/02	RDA-LV
Hydroxide (As CaCO3)	ND	mg/L	25	1	SM2320 B		05/13/02	RDA-LV
Alkalinity, Total (As CaCO3)	310	mg/L	25	1	SM2320 B		05/13/02	RDA-LV
BOD	6.5	mg/L	5.0	1	SM5210B	05/10/02	05/10/02	HAT-Reno
Chemical Oxygen Demand	44	mg/L	10	1	SM5520 D		05/14/02	RDA-LV
Ammonia, as N	ND	mg/L	0.30	1	SM4500-NH3		05/13/02	BTM-LV
Sulfide	ND	mg/L	0.030	1	SM4500-S D		05/10/02	RWW-LV
Total Dissolved Solids	3330	mg/L	30.0	2	SM2540 C		05/10/02	CRA LV

ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

Date: 22-May-02

E - Value above quantitation range

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# NEL LABORATORIES

CLIENT: RSSN  
 PROJECT ID: DPW-15B  
 PROJECT #: DPW-15B  
 MATRIX: AQUEOUS

CLIENT ID: FPW-15B-2  
 DATE SAMPLED: 5/9/02  
 NEL SAMPLE ID: L0205127-002A

Parameter	Result	Unit	Reporting			Prep Date	Analyzed	Analyst
			Limit	DF	Method			
Acetone	ND	µg/L	25	1	SW8260B	05/16/02	DRM-LV	
Benzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Bromobenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Bromochloromethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Bromodichloromethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Bromoform	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Bromomethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
2-Butanone	ND	µg/L	25	1	SW8260B	05/16/02	DRM-LV	
n-Butylbenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
sec-Butylbenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
tert-Butylbenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Carbon disulfide	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Carbon tetrachloride	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Chlorobenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Chloroethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
2-Chloroethyl vinyl ether	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Chloroform	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Chloromethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
2-Chlorotoluene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
4-Chlorotoluene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Dibromochloromethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,2-Dibromo-3-chloropropane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,2-Dibromoethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Dibromomethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,2-Dichlorobenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,3-Dichlorobenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,4-Dichlorobenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Dichlorodifluoromethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,1-Dichloroethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,2-Dichloroethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,1-Dichloroethene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
cis-1,2-Dichloroethene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
trans-1,2-Dichloroethene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,2-Dichloropropane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,3-Dichloropropane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
2,2-Dichloropropane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
1,1-Dichloropropene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
cis-1,3-Dichloropropene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
trans-1,3-Dichloropropene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Ethylbenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Hexachlorobutadiene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
2-Hexanone	ND	µg/L	25	1	SW8260B	05/16/02	DRM-LV	
Iodomethane	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	
Isopropylbenzene	ND	µg/L	5.0	1	SW8260B	05/16/02	DRM-LV	

ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

Date: 22-May-02

E - Value above quantitation range

Page 4 of 6

# NEL LABORATORIES

CLIENT: RSSN  
 PROJECT ID: DPW-15B  
 PROJECT #: DPW-15B  
 MATRIX: AQUEOUS

CLIENT ID: FPW-15B-2  
 DATE SAMPLED: 5/9/02  
 NEL SAMPLE ID: L0205127-002A

Parameter	Result	Unit	Reporting		Method	Prep Date	Analyzed	Analyst
			Limit	DF				
p-Isopropyltoluene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Methylene chloride	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
4-Methyl-2-pentanone	ND	µg/L	25	1	SW8260B	05/16/02	DRM-LV	
Methyl t-butyl ether (MTBE)	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Naphthalene	ND	µg/L	10	1	SW8260B	05/16/02	DRM-LV	
n-Propylbenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Styrene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,1,1,2-Tetrachloroethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,1,2,2-Tetrachloroethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Tetrachloroethene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Toluene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,2,3-Trichlorobenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,2,4-Trichlorobenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,1,1-Trichloroethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,1,2-Trichloroethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Trichloroethene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Trichlorofluoromethane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,2,3-Trichloropropane	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,2,4-Trimethylbenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
1,3,5-Trimethylbenzene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Vinyl acetate	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
Vinyl chloride	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
o-Xylene	ND	µg/L	50	1	SW8260B	05/16/02	DRM-LV	
m,p-Xylene	ND	µg/L	10	1	SW8260B	05/16/02	DRM-LV	
Surr: Dibromofluoromethane	117	%REC	348-158	1	SW8260B	05/16/02	DRM-LV	
Surr: Toluene-d8	85.4	%REC	80-122	1	SW8260B	05/16/02	DRM-LV	
Surr: 4-Bromofluorobenzene	141	%REC	64-145	1	SW8260B	05/16/02	DRM-LV	

ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

Date: 22-May-02

E - Value above quantitation range

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# NEL LABORATORIES

CLIENT: RSSN  
 PROJECT ID: DPW-15B  
 PROJECT #: DPW-15B  
 MATRIX: AQUEOUS

CLIENT ID: DPW-15B-FFM  
 DATE SAMPLED: 5/9/02  
 NEL SAMPLE ID: L0205127-003A

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Reporting Limit</u>	<u>DF</u>	<u>Method</u>	<u>Prep Date</u>	<u>Analyzed</u>	<u>Analyst</u>
Aluminum	ND	mg/L	0.050	1	SW 6010B-To	05/13/02	05/14/02	FIF-Reno
Barium	0.059	mg/L	0.0050	1	SW 6010B-To	05/13/02	05/14/02	FIF-Reno
Calcium	440	mg/L	0.20	1	SW 6010B-To	05/13/02	05/14/02	FIF-Reno
Iron	10	mg/L	0.10	1	SW 6010B-To	05/13/02	05/14/02	FIF-Reno
Magnesium	240	mg/L	0.20	1	SW 6010B-To	05/13/02	05/14/02	FIF-Reno
Manganese	3.4	mg/L	0.0050	1	SW 6010B-To	05/13/02	05/14/02	FIF-Reno
Potassium	41	mg/L	2.0	1	SW 6010B-To	05/13/02	05/14/02	FIF-Reno
Sodium	180	mg/L	0.50	1	SW 6010B-To	05/13/02	05/14/02	FIF-Reno
Vanadium	ND	mg/L	0.0050	1	SW 6010B-To	05/13/02	05/14/02	FIF-Reno
Antimony	0.0013	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Arsenic	0.0012	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Beryllium	ND	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Cadmium	ND	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Chromium	ND	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Cobalt	0.0048	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Copper	0.0018	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Lead	ND	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Nickel	0.018	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Selenium	0.0013	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Silver	ND	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Thallium	ND	mg/L	0.00040	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Zinc	0.11	mg/L	0.0010	1	SW 6020-Tota	05/14/02	05/16/02	DHG-Reno
Mercury	ND	mg/L	0.00020	1	SW 7470-Tota	05/14/02	05/14/02	A

ND - Not Detected at the Reporting Limit

DF - Dilution Factor

Date: 22-May-02

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

**ANALYTICAL QC SUMMARY REPORT**

BatchID: R\_980

Sample ID	MB-980	SampType	MBLK	TestCode	6010W_T	Units	mg/L	Prep Date	5/13/02	Run ID	SUB-2312
		Batch ID	R_980	TestNo	SW6010B			Analysis Date	5/14/02	SeqNo	30245
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.050									
Barium	ND	0.0050									
Calcium	ND	0.50									
Iron	ND	0.10									
Magnesium	ND	0.50									
Manganese	ND	0.0050									
Potassium	ND	2.0									
Sodium	0.68	0.50									
Vanadium	ND	0.0050									

Sample ID	LCS-980	SampType	LCS	TestCode	6010W_T	Units	mg/L	Prep Date	5/13/02	Run ID	SUB-2312
		Batch ID	R_980	TestNo	SW6010B			Analysis Date	5/14/02	SeqNo	30244
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.06	0.050	1	0	106	85	115	0	0		
Barium	1.001	0.0050	1	0	100	85	115	0	0		
Calcium	19.37	0.50	20	0	96.8	85	115	0	0		
Iron	1.044	0.10	1	0	104	85	115	0	0		
Magnesium	19.23	0.50	20	0	96.2	85	115	0	0		
Manganese	0.5052	0.0050	0.5	0	101	85	115	0	0		
Potassium	18.75	2.0	20	0	93.8	85	115	0	0		
Sodium	21.2	0.50	20	0.68	103	85	115	0	0		B
Vanadium	0.2458	0.0050	0.25	0	98.3	85	115	0	0		

Sample ID	R0205122-001AMS	SampType	MS	TestCode	6010W_T	Units	mg/L	Prep Date	5/13/02	Run ID	SUB-2312
		Batch ID	R_980	TestNo	SW6010B			Analysis Date	5/14/02	SeqNo	30246
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.13	0.050	1	0.124	101	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R\_980

Sample ID	R0205122-001AMS	SampType	MS	TestCode	6010W_T	Units	mg/L	Prep Date	5/13/02	Run ID	SUB-2312
		Batch ID	R_980	TestNo	SW6010B			Analysis Date	5/14/02	SeqNo	30246
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	1.095	0.0050	1	0.09313	100	75	125	0	0		
Calcium	74.55	0.50	20	57.76	84	75	125	0	0		
Iron	1.013	0.10	1	0	101	75	125	0	0		
Magnesium	42.46	0.50	20	23.89	92.8	75	125	0	0		
Manganese	0.4852	0.0050	0.5	0.00816	95.4	75	125	0	0		
Potassium	24.83	2.0	20	5.051	98.9	75	125	0	0		
Sodium	219	0.50	20	201	90	75	125	0	0		B
Vanadium	0.2494	0.0050	0.25	0	99.7	75	125	0	0		

Sample ID	R0205122-001AMSD	SampType	MSD	TestCode	6010W_T	Units	mg/L	Prep Date	5/13/02	Run ID	SUB-2312
		Batch ID	R_980	TestNo	SW6010B			Analysis Date	5/14/02	SeqNo	30247
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.29	0.050	1	0.124	117			0	0		
Barium	1.092	0.0050	1	0.09313	99.9			0	0		
Calcium	77.67	0.50	20	57.76	99.6			0	0		
Iron	1.382	0.10	1	0	138			0	0		R
Magnesium	43.81	0.50	20	23.89	99.6			0	0		
Manganese	0.497	0.0050	0.5	0.00816	97.8			0	0		
Potassium	24.94	2.0	20	5.051	99.4			0	0		
Sodium	220	0.50	20	201	95			0	0		B
Vanadium	0.2488	0.0050	0.25	0	99.5			0	0		

Sample ID	R0205122-001ADUP	SampType	DUP	TestCode	6010W_T	Units	mg/L	Prep Date	5/13/02	Run ID	SUB-2312
		Batch ID	R_980	TestNo	SW6010B			Analysis Date	5/14/02	SeqNo	30243
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.137	0.050	0	0	0	0	0	0	0	0	
Barium	0.09006	0.0050	0	0	0	0	0	0	0	0	
Calcium	55.95	0.50	0	0	0	0	0	0	0	0	
Iron	ND	0.10	0	0	0	0	0	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R\_980

Sample ID: R0205122-001ADUP	SampType: DUP	TestCode: 6010W_T	Units: mg/L	Prep Date: 5/13/02	Run ID: SUB-2312						
	Batch ID: R_980	TestNo: SW6010B		Analysis Date: 5/14/02	SeqNo: 30243						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Magnesium	23.39	0.50	0	0	0	0	0	0	0	0	
Manganese	0.00566	0.0050	0	0	0	0	0	0	0	0	
Potassium	5.73	2.0	0	0	0	0	0	0	0	0	
Sodium	199	0.50	0	0	0	0	0	0	0	0	B
Vanadium	ND	0.0050	0	0	0	0	0	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R\_989

Sample ID	MB-989	SampType	MBLK	TestCode	HG_7470_T	Units	mg/L	Prep Date	5/14/02	Run ID	SUB-2317	
		Batch ID	R_989	TestNo	SW7470			Analysis Date	5/14/02	SeqNo	29665	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND	0.00020									

Sample ID	LCS-989	SampType	LCS	TestCode	HG_7470_T	Units	mg/L	Prep Date	5/14/02	Run ID	SUB-2317	
		Batch ID	R_989	TestNo	SW7470			Analysis Date	5/14/02	SeqNo	29664	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00495	0.00020	0.005	0	99	85	115	0	0		

Sample ID	L0205127-003A	SampType	MS	TestCode	HG_7470_T	Units	mg/L	Prep Date	5/14/02	Run ID	SUB-2317	
		Batch ID	R_989	TestNo	SW7470			Analysis Date	5/14/02	SeqNo	29666	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00454	0.00020	0.005	0	90.8	85	115	0	0		

Sample ID	L0205127-003A	SampType	MSD	TestCode	HG_7470_T	Units	mg/L	Prep Date	5/14/02	Run ID	SUB-2317	
		Batch ID	R_989	TestNo	SW7470			Analysis Date	5/14/02	SeqNo	29667	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00469	0.00020	0.005	0	93.8			0	0		

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R\_991

Sample ID	MB-991	SampType	MBLK	TestCode	BOD5	Units	mg/L	Prep Date	5/10/02	Run ID	SUB-2326	
		Batch ID	R_991	TestNo	M5210 B			Analysis Date	5/10/02	SeqNo	30163	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
BOD		ND	5.0									

Sample ID	LCS-991	SampType	LCS	TestCode	BOD5	Units	mg/L	Prep Date	5/10/02	Run ID	SUB-2326	
		Batch ID	R_991	TestNo	M5210 B			Analysis Date	5/10/02	SeqNo	30162	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
BOD		9.72	5.0	10	0	97.2	70	130	0	0		

Sample ID	L0205126-001A	SampType	MS	TestCode	BOD5	Units	mg/L	Prep Date	5/10/02	Run ID	SUB-2326	
		Batch ID	R_991	TestNo	M5210 B			Analysis Date	5/10/02	SeqNo	30164	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
BOD		945	5.0	1000	18.3	92.7	70	130	0	0		

Sample ID	R0205135-001AMS	SampType	MS	TestCode	BOD5	Units	mg/L	Prep Date	5/10/02	Run ID	SUB-2326	
		Batch ID	R_991	TestNo	M5210 B			Analysis Date	5/10/02	SeqNo	30170	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
BOD		945	5.0	1000	18.3	92.7	70	130	0	0		

Sample ID	L0205126-001A	SampType	MSD	TestCode	BOD5	Units	mg/L	Prep Date	5/10/02	Run ID	SUB-2326	
		Batch ID	R_991	TestNo	M5210 B			Analysis Date	5/10/02	SeqNo	30165	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
BOD		1240	5.0	1000	18.3	122			0	0		

Sample ID	R0205135-001AMSD	SampType	MSD	TestCode	BOD5	Units	mg/L	Prep Date	5/10/02	Run ID	SUB-2326	
		Batch ID	R_991	TestNo	M5210 B			Analysis Date	5/10/02	SeqNo	30171	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
BOD												

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
Work Order: L0205127  
Project: DPW-15B

# ANALYTICAL QC SUMMARY REPORT

BatchID: R\_991

Sample ID: R0205135-001AMSD	SampType: MSD	TestCode: BOD5	Units: mg/L	Prep Date: 5/10/02	Run ID: SUB-2326						
	Batch ID: R_991	TestNo: M5210 B		Analysis Date: 5/10/02	SeqNo: 30171						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
BOD	1240	5.0	1000	18.3	122			0	0		

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R\_993

Sample ID	MB-993	SampType	MBLK	TestCode	6020W_T	Units	mg/L	Prep Date	5/14/02	Run ID	SUB-2342	
Batch ID	R_993	TestNo	SW6020	Analysis Date	5/16/02	SeqNo	30261					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Antimony	ND	0.0010										
Arsenic	ND	0.0010										
Beryllium	ND	0.0010										
Cadmium	ND	0.0010										
Chromium	ND	0.0010										
Cobalt	ND	0.0010										
Copper	ND	0.0010										
Lead	ND	0.0010										
Nickel	ND	0.0010										
Selenium	ND	0.0010										
Silver	ND	0.0010										
Thallium	ND	0.0010										
Zinc	ND	0.0010										

Sample ID	LCS-993	SampType	LCS	TestCode	6020W_T	Units	mg/L	Prep Date	5/14/02	Run ID	SUB-2342	
Batch ID	R_993	TestNo	SW6020	Analysis Date	5/16/02	SeqNo	30260					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Antimony	0.0521	0.0050	0.05	0	104	85	115	0	0			
Arsenic	0.1043	0.0050	0.1	0	104	85	115	0	0			
Beryllium	0.1009	0.0050	0.1	0	101	85	115	0	0			
Cadmium	0.0554	0.0050	0.05	0	111	85	115	0	0			
Chromium	0.05475	0.0050	0.05	0	110	85	115	0	0			
Cobalt	0.0562	0.0050	0.05	0	112	85	115	0	0			
Copper	0.05395	0.0050	0.05	0	108	85	115	0	0			
Lead	0.0552	0.0050	0.05	0	110	85	115	0	0			
Nickel	0.05615	0.0050	0.05	0	112	85	115	0	0			
Selenium	0.1054	0.0050	0.1	0	105	85	115	0	0			
Silver	0.1053	0.0050	0.1	0	105	85	115	0	0			
Thallium	0.05505	0.0050	0.05	0	110	85	115	0	0			
Zinc	0.05805	0.0050	0.05	0	116	85	115	0	0		S	

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits



CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R\_993

Sample ID	L0205106-003A	SampType	MS	TestCode	6020W_T	Units	mg/L	Prep Date	5/14/02	Run ID	SUB-2342
		Batch ID	R_993	TestNo	SW6020			Analysis Date	5/16/02	SeqNo	30262
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.05215	0.0050	0.05	0	104	75	125	0	0		
Arsenic	0.1108	0.0050	0.1	0.00605	105	75	125	0	0		
Beryllium	0.09875	0.0050	0.1	0	98.8	75	125	0	0		
Cadmium	0.058	0.0050	0.05	0	116	75	125	0	0		
Chromium	0.08955	0.0050	0.05	0.03035	118	75	125	0	0		
Cobalt	0.0556	0.0050	0.05	0	111	75	125	0	0		
Copper	0.053	0.0050	0.05	0	106	75	125	0	0		
Lead	0.0545	0.0050	0.05	0	109	75	125	0	0		
Nickel	0.07875	0.0050	0.05	0.0231	111	75	125	0	0		
Selenium	0.104	0.0050	0.1	0	104	75	125	0	0		
Silver	0.102	0.0050	0.1	0	102	75	125	0	0		
Thallium	0.053	0.0050	0.05	0	106	75	125	0	0		
Zinc	0.061	0.0050	0.05	0.01485	92.3	75	125	0	0		

Sample ID	L0205106-003A	SampType	MSD	TestCode	6020W_T	Units	mg/L	Prep Date	5/14/02	Run ID	SUB-2342
		Batch ID	R_993	TestNo	SW6020			Analysis Date	5/16/02	SeqNo	30263
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.1152	0.0050	0.1	0.00605	109			0	0		
Lead	0.0568	0.0050	0.05	0	114			0	0		
Selenium	0.1094	0.0050	0.1	0	109			0	0		

Sample ID	L0205106-003A	SampType	DUP	TestCode	6020W_T	Units	mg/L	Prep Date	5/14/02	Run ID	SUB-2342
		Batch ID	R_993	TestNo	SW6020			Analysis Date	5/16/02	SeqNo	30259
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050	0	0	0	0	0	0	0	0	
Arsenic	0.0058	0.0050	0	0	0	0	0	0	0	0	
Beryllium	ND	0.0050	0	0	0	0	0	0	0	0	
Cadmium	ND	0.0050	0	0	0	0	0	0	0	0	
Chromium	0.03975	0.0050	0	0	0	0	0	0	0	0	R

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R\_993

Sample ID: L0205106-003A	SampType: DUP	TestCode: 6020W_T	Units: mg/L	Prep Date: 5/14/02	Run ID: SUB-2342						
	Batch ID: R_993	TestNo: SW6020		Analysis Date: 5/16/02	SeqNo: 30259						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	ND	0.0050	0	0	0	0	0	0	0	0	
Copper	ND	0.0050	0	0	0	0	0	0	0	0	
Lead	ND	0.0050	0	0	0	0	0	0	0	0	
Nickel	0.0262	0.0050	0	0	0	0	0	0	0	0	
Selenium	ND	0.0050	0	0	0	0	0	0	0	0	
Silver	ND	0.0050	0	0	0	0	0	0	0	0	
Thallium	ND	0.0050	0	0	0	0	0	0	0	0	
Zinc	0.01115	0.0050	0	0	0	0	0	0	0	0	R

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3595

Sample ID	MB-R3595	SampType	MBLK	TestCode	SULF_W	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020510A	
	Batch ID	R3595		TestNo	M4500-S D			Analysis Date	5/10/02	SeqNo	27517	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide		ND	0.030									

Sample ID	LCS-R3595	SampType	LCS	TestCode	SULF_W	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020510A	
	Batch ID	R3595		TestNo	M4500-S D			Analysis Date	5/10/02	SeqNo	27516	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide		0.108	0.030	0.107	0	101	80	120	0	0		

Sample ID	LCSD-R3595	SampType	LCSD	TestCode	SULF_W	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020510A	
	Batch ID	R3595		TestNo	M4500-S D			Analysis Date	5/10/02	SeqNo	27518	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide		0.109	0.030	0.107	0	102	80	120	0.108	0.922	25	

Sample ID	L0205105-001BMS	SampType	MS	TestCode	SULF_W	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020510A	
	Batch ID	R3595		TestNo	M4500-S D			Analysis Date	5/10/02	SeqNo	27519	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide		0.114	0.030	0.107	0	107	70	130	0	0		

Sample ID	L0205105-001BMSD	SampType	MSD	TestCode	SULF_W	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020510A	
	Batch ID	R3595		TestNo	M4500-S D			Analysis Date	5/10/02	SeqNo	27520	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide		0.112	0.030	0.107	0	105	70	130	0.114	1.77	25	

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

**ANALYTICAL QC SUMMARY REPORT**

BatchID: R3695

Sample ID	MB-R3695	SampType	MBLK	TestCode	NH3-N_W	Units	mg/L	Prep Date		Run ID	L_WC_020513B			
		Batch ID	R3695	TestNo	M4500-NH3 C			Analysis Date	5/13/02	SeqNo	28259			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Ammonia, as N ND 0 30

Sample ID	LCS-R3695	SampType	LCS	TestCode	NH3-N_W	Units	mg/L	Prep Date		Run ID	L_WC_020513B			
		Batch ID	R3695	TestNo	M4500-NH3 C			Analysis Date	5/13/02	SeqNo	28258			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Ammonia, as N 1 01 0 30 1 0 101 83 9 117 0 0

Sample ID	LCSD-R3695	SampType	LCSD	TestCode	NH3-N_W	Units	mg/L	Prep Date		Run ID	L_WC_020513B			
		Batch ID	R3695	TestNo	M4500-NH3 C			Analysis Date	5/13/02	SeqNo	28262			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Ammonia, as N 0 95 0 30 1 0 95 83 9 117 1 01 6 12 25

Sample ID	L0205079-002AMS	SampType	MS	TestCode	NH3-N_W	Units	mg/L	Prep Date		Run ID	L_WC_020513B			
		Batch ID	R3695	TestNo	M4500-NH3 C			Analysis Date	5/13/02	SeqNo	28260			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Ammonia, as N 0 95 0 30 1 0 95 76 4 124 0 0

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3698

Sample ID	MB-R3698	SampType	MBLK	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020509A		
		Batch ID	R3698	TestNo	E300			Analysis Date	5/9/02	SeqNo	28287	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate, as N		ND	0.10									
Nitrite, as N		ND	0.10									

Sample ID	LCS-R3698	SampType	LCS	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020509A		
		Batch ID	R3698	TestNo	E300			Analysis Date	5/9/02	SeqNo	28286	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate, as N		0.991	0.10	1	0	99.1	80	120	0	0		
Nitrite, as N		0.976	0.10	1	0	97.6	80	120	0	0		

Sample ID	LCSD-R3698	SampType	LCSD	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020509A		
		Batch ID	R3698	TestNo	E300			Analysis Date	5/9/02	SeqNo	28289	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate, as N		0.99	0.10	1	0	99	80	120	0.991	0.101	25	
Nitrite, as N		1.018	0.10	1	0	102	80	120	0.976	4.21	25	

Sample ID	L0205111-001BMS	SampType	MS	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020509A		
		Batch ID	R3698	TestNo	E300			Analysis Date	5/9/02	SeqNo	28288	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		ND	1.0	1	0	0	80	120	0	0		S
Nitrate, as N		ND	1.0	1	1.1	110	80	120	0	0		S
Nitrite, as N		ND	1.0	1	0	0	80	120	0	0		S
Sulfate		ND	1.0	1	0	0	80	120	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit      S Spike Recovery outside accepted recovery limits      B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits      R RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3734

Sample ID	MB-R3734	SampType	MBLK	TestCode	ALK_W	Units	mg/L	Prep Date	Run ID	L_ATITR-1_020513C	
		Batch ID	R3734	TestNo	M2320 B			Analysis Date	5/13/02	SeqNo	28498
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	25									
Alkalinity, Carbonate (As CaCO3)	ND	25									
Hydroxide (As CaCO3)	ND	25									
Alkalinity, Total (As CaCO3)	ND	25									

Sample ID	LCS-R3734	SampType	LCS	TestCode	ALK_W	Units	mg/L	Prep Date	Run ID	L_ATITR-1_020513C	
		Batch ID	R3734	TestNo	M2320 B			Analysis Date	5/13/02	SeqNo	28497
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	123	25	125	0	98.4	80	120	0	0		

Sample ID	LCSD-R3734	SampType	LCSD	TestCode	ALK_W	Units	mg/L	Prep Date	Run ID	L_ATITR-1_020513C	
		Batch ID	R3734	TestNo	M2320 B			Analysis Date	5/13/02	SeqNo	28500
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	127	25	125	0	102	80	120	123	3.20	25	

Sample ID	L0205150-009ADUP	SampType	DUP	TestCode	ALK_W	Units	mg/L	Prep Date	Run ID	L_ATITR-1_020513C	
		Batch ID	R3734	TestNo	M2320 B			Analysis Date	5/13/02	SeqNo	28499
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	170	25	0	0	0	0	0	170	0	10	
Alkalinity, Carbonate (As CaCO3)	ND	25	0	0	0	0	0	0	0	10	
Hydroxide (As CaCO3)	ND	25	0	0	0	0	0	0	0	10	
Alkalinity, Total (As CaCO3)	170	25	0	0	0	0	0	170	0	10	

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3800

Sample ID	MB-R3800	SampType	MBLK	TestCode	TDS_W	Units	mg/L	Prep Date	Run ID	L_WC_020510D				
		Batch ID	R3800	TestNo	E160.1			Analysis Date	5/10/02	SeqNo	28982			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids

ND 15 0

Sample ID	LCS-R3800	SampType	LCS	TestCode	TDS_W	Units	mg/L	Prep Date	Run ID	L_WC_020510D				
		Batch ID	R3800	TestNo	E160.1			Analysis Date	5/10/02	SeqNo	28981			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids

939 15 0 1000 0 93.9 80 120 0 0

Sample ID	L0205144-001ADUP	SampType	DUP	TestCode	TDS_W	Units	mg/L	Prep Date	Run ID	L_WC_020510D				
		Batch ID	R3800	TestNo	E160.1			Analysis Date	5/10/02	SeqNo	28983			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Dissolved Solids

320 15 0 0 344 0 0 0 0 0

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3816

Sample ID	MB-R3816	SampType	MBLK	TestCode	COD	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020514C	
	Batch ID	R3816		TestNo	M5220 C			Analysis Date	5/14/02	SeqNo	29084	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand		ND	10									

Sample ID	LCS-R3816	SampType	LCS	TestCode	COD	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020514C	
	Batch ID	R3816		TestNo	M5220 C			Analysis Date	5/14/02	SeqNo	29083	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand		505	10	500	0	101	80	120	0	0		

Sample ID	LCSD-R3816	SampType	LCSD	TestCode	COD	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020514C	
	Batch ID	R3816		TestNo	M5220 C			Analysis Date	5/14/02	SeqNo	29087	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand		507	10	500	0	101	80	120	505	0 395	15	

Sample ID	L0205127-001BMS	SampType	MS	TestCode	COD	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020514C	
	Batch ID	R3816		TestNo	M5220 C			Analysis Date	5/14/02	SeqNo	29085	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand		546	10	500	44	100	70	130	0	0		

Sample ID	L0205127-001BMSD	SampType	MSD	TestCode	COD	Units	mg/L	Prep Date		Run ID	L_SPEC-2_020514C	
	Batch ID	R3816		TestNo	M5220 C			Analysis Date	5/14/02	SeqNo	29086	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand		559	10	500	44	103	70	130	546	2 35	25	

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits



CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3840

Sample ID	MB-R3840	SampType	MBLK	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020514A	
		Batch ID	R3840	TestNo	E300			Analysis Date	5/14/02	SeqNo	29260
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.10									
Nitrate, as N	ND	0.10									
Nitrite, as N	ND	0.10									
Sulfate	ND	0.10									

Sample ID	LCS-R3840	SampType	LCS	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020514A	
		Batch ID	R3840	TestNo	E300			Analysis Date	5/14/02	SeqNo	29259
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	1.96	0.10	2	0	98	80	120	0	0		
Nitrate, as N	0.981	0.10	1	0	98.1	80	120	0	0		
Nitrite, as N	1.043	0.10	1	0	104	80	120	0	0		
Sulfate	2.716	0.10	2.5	0	109	80	120	0	0		

Sample ID	LCSD-R3840	SampType	LCSD	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020514A	
		Batch ID	R3840	TestNo	E300			Analysis Date	5/14/02	SeqNo	29261
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	1.948	0.10	2	0	97.4	80	120	1.96	0.614	25	
Nitrate, as N	0.979	0.10	1	0	97.9	80	120	0.981	0.204	25	
Nitrite, as N	1.039	0.10	1	0	104	80	120	1.043	0.384	25	
Sulfate	2.692	0.10	2.5	0	108	80	120	2.716	0.888	25	

Sample ID	L0205115-001BMS	SampType	MS	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020514A	
		Batch ID	R3840	TestNo	E300			Analysis Date	5/14/02	SeqNo	29306
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	88.1	5.0	50	38.13	99.9	80	120	0	0		
Sulfate	98.3	5.0	50	49.01	98.6	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3840

Sample ID	L0205165-001AMS	SampType	MS	TestCode	300_W	Units	mg/L	Prep Date		Run ID	L_IC-1_020514A			
		Batch ID	R3840	TestNo	E300			Analysis Date	5/14/02	SeqNo	29307			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate, as N		1.06		0.10	1	0		106	80	120	0	0		

Sample ID	L0205165-003AMS	SampType	MS	TestCode	300_W	Units	mg/L	Prep Date		Run ID	L_IC-1_020514A			
		Batch ID	R3840	TestNo	E300			Analysis Date	5/14/02	SeqNo	29308			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride		205.8		10	100	99.68		106	80	120	0	0		
Sulfate		115.2		10	100	12.45		103	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3904

Sample ID	MB-R3904	SampType	MBLK	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020515B	
		Batch ID	R3904	TestNo	E300			Analysis Date	5/15/02	SeqNo	29792
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.10									
Nitrate, as N	ND	0.10									
Nitrite, as N	ND	0.10									
Sulfate	ND	0.10									

Sample ID	LCS-R3904	SampType	LCS	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020515B	
		Batch ID	R3904	TestNo	E300			Analysis Date	5/15/02	SeqNo	29791
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	1.935	0.10	2	0	96.8	80	120	0	0		
Nitrate, as N	0.965	0.10	1	0	96.5	80	120	0	0		
Nitrite, as N	0.977	0.10	1	0	97.7	80	120	0	0		
Sulfate	2.654	0.10	2.5	0	106	80	120	0	0		

Sample ID	LCSD-R3904	SampType	LCSD	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020515B	
		Batch ID	R3904	TestNo	E300			Analysis Date	5/15/02	SeqNo	29794
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	1.948	0.10	2	0	97.4	80	120	1.935	0.670	25	
Nitrate, as N	0.976	0.10	1	0	97.6	80	120	0.965	1.13	25	
Nitrite, as N	0.97	0.10	1	0	97	80	120	0.977	0.719	25	
Sulfate	2.701	0.10	2	0	135	80	120	2.654	1.76	25	S

Sample ID	L0205164-002AMS	SampType	MS	TestCode	300_W	Units	mg/L	Prep Date	Run ID	L_IC-1_020515B	
		Batch ID	R3904	TestNo	E300			Analysis Date	5/15/02	SeqNo	29793
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate, as N	1.25	0.10	1	0.229	102	80	120	0	0		
Nitrite, as N	1.284	0.10	1	0	128	80	120	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3904

Sample ID: L0205179-001AMS	SampType: MS	TestCode: 300_W	Units: mg/L	Prep Date:	Run ID: L_IC-1_020515B						
	Batch ID: R3904	TestNo: E300		Analysis Date: 5/15/02	SeqNo: 29820						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	55.96	5.0	50	7.056	97.8	80	120	0	0		
Sulfate	66.68	5.0	50	14.56	104	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	Method Blank 02	SampType MBLK	TestCode 8260_W	Units µg/L	Prep Date	Run ID L_VOAMS-2_020516A					
		Batch ID R3969	TestNo SW8260B		Analysis Date 5/16/02	SeqNo 30238					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	ND	25	0	0	0	0	0	0	0	0	
Benzene	ND	50	0	0	0	0	0	0	0	0	
Bromobenzene	ND	50	0	0	0	0	0	0	0	0	
Bromochloromethane	ND	50	0	0	0	0	0	0	0	0	
Bromodichloromethane	ND	50	0	0	0	0	0	0	0	0	
Bromoform	ND	50	0	0	0	0	0	0	0	0	
Bromomethane	ND	50	0	0	0	0	0	0	0	0	
2-Butanone	ND	25	0	0	0	0	0	0	0	0	
n-Butylbenzene	ND	50	0	0	0	0	0	0	0	0	
sec-Butylbenzene	ND	50	0	0	0	0	0	0	0	0	
tert-Butylbenzene	ND	50	0	0	0	0	0	0	0	0	
Carbon disulfide	ND	50	0	0	0	0	0	0	0	0	
Carbon tetrachloride	ND	50	0	0	0	0	0	0	0	0	
Chlorobenzene	ND	50	0	0	0	0	0	0	0	0	
Chloroethane	ND	50	0	0	0	0	0	0	0	0	
2-Chloroethyl vinyl ether	ND	50	0	0	0	0	0	0	0	0	
Chloroform	ND	50	0	0	0	0	0	0	0	0	
Chloromethane	ND	50	0	0	0	0	0	0	0	0	
2-Chlorotoluene	ND	50	0	0	0	0	0	0	0	0	
4-Chlorotoluene	ND	50	0	0	0	0	0	0	0	0	
Dibromochloromethane	ND	50	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	ND	50	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	ND	50	0	0	0	0	0	0	0	0	
Dibromomethane	ND	50	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	ND	50	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	ND	50	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	ND	50	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	ND	50	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	ND	50	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	ND	50	0	0	0	0	0	0	0	0	
1,1 Dichloroethene	ND	50	0	0	0	0	0	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	Method Blank 02	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
		Batch ID	R3969	TestNo	SW8260B			Analysis Date	5/16/02	SeqNo	30238
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	ND	50	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	ND	50	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	ND	50	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	ND	50	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	ND	50	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	ND	50	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	ND	50	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	ND	50	0	0	0	0	0	0	0	0	
Ethylbenzene	ND	50	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	ND	50	0	0	0	0	0	0	0	0	
2-Hexanone	ND	25	0	0	0	0	0	0	0	0	
Iodomethane	ND	50	0	0	0	0	0	0	0	0	
Isopropylbenzene	ND	50	0	0	0	0	0	0	0	0	
p-Isopropyltoluene	ND	50	0	0	0	0	0	0	0	0	
Methylene chloride	ND	50	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	ND	25	0	0	0	0	0	0	0	0	
Methyl t-butyl ether (MTBE)	ND	50	0	0	0	0	0	0	0	0	
Naphthalene	ND	10	0	0	0	0	0	0	0	0	
n-Propylbenzene	ND	50	0	0	0	0	0	0	0	0	
Styrene	ND	50	0	0	0	0	0	0	0	0	
1,1,1,2-Tetrachloroethane	ND	50	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	ND	50	0	0	0	0	0	0	0	0	
Tetrachloroethene	ND	50	0	0	0	0	0	0	0	0	
Toluene	ND	50	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	ND	50	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	ND	50	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	ND	50	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	ND	50	0	0	0	0	0	0	0	0	
Trichloroethene	ND	50	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	ND	50	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	ND	50	0	0	0	0	0	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	Method Blank 02	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
		Batch ID	R3969	TestNo	SW8260B			Analysis Date	5/16/02	SeqNo	30238
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	50	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	ND	50	0	0	0	0	0	0	0	0	
Vinyl acetate	ND	50	0	0	0	0	0	0	0	0	
Vinyl chloride	ND	50	0	0	0	0	0	0	0	0	
o-Xylene	ND	50	0	0	0	0	0	0	0	0	
m,p-Xylene	ND	10	0	0	0	0	0	0	0	0	
Surr Dibromofluoromethane	58.27	0.50	50	0	117	34.8	158	0	0	0	
Surr Toluene-d8	41.77	0.50	50	0	83.5	80	122	0	0	0	
Surr 4-Bromofluorobenzene	68.63	0.50	50	0	137	64.1	145	0	0	0	

Sample ID	Vstd050CCV02051	SampType	LCS	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
		Batch ID	R3969	TestNo	SW8260B			Analysis Date	5/16/02	SeqNo	30241
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	43.03	25	50	0	86.1	70	130	0	0	0	
Benzene	53.96	50	50	0	108	70	130	0	0	0	
Bromobenzene	36.69	50	50	0	73.4	70	130	0	0	0	
Bromochloromethane	48.48	50	50	0	97	70	130	0	0	0	
Bromodichloromethane	48.42	50	50	0	96.8	70	130	0	0	0	
Bromoform	38.83	50	50	0	77.7	70	130	0	0	0	
Bromomethane	59.79	50	50	0	120	70	130	0	0	0	
2-Butanone	43.25	25	50	0	86.5	70	130	0	0	0	
n-Butylbenzene	39.04	50	50	0	78.1	70	130	0	0	0	
sec-Butylbenzene	39.69	50	50	0	79.4	70	130	0	0	0	
tert-Butylbenzene	36.96	50	50	0	73.9	70	130	0	0	0	
Carbon disulfide	255.2	50	50	0	510	70	130	0	0	0	S
Carbon tetrachloride	48.14	50	50	0	96.3	70	130	0	0	0	
Chlorobenzene	47.59	50	50	0	95.2	80	120	0	0	0	
Chloroethane	54.4	50	50	0	109	70	130	0	0	0	
2-Chloroethyl vinyl ether	17.62	50	50	0	35.2	70	130	0	0	0	S
Chloroform	48.43	50	50	0	96.9	80	120	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	Vstd050CCV02051	SampType	LCS	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
Batch ID	R3969	TestNo	SW8260B	Analysis Date	5/16/02	SeqNo	30241				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	60.1	5.0	50	0	120	70	130	0	0		
2-Chlorotoluene	36.79	5.0	50	0	73.6	70	130	0	0		
4-Chlorotoluene	37.39	5.0	50	0	74.8	70	130	0	0		
Dibromochloromethane	44.46	5.0	50	0	88.9	70	130	0	0		
1,2-Dibromo-3-chloropropane	30.32	5.0	50	0	60.6	70	130	0	0		S
1,2-Dibromoethane	46.4	5.0	50	0	92.8	70	130	0	0		
Dibromomethane	48.45	5.0	50	0	96.9	70	130	0	0		
1,2-Dichlorobenzene	35.08	5.0	50	0	70.2	70	130	0	0		
1,3-Dichlorobenzene	36.4	5.0	50	0	72.8	70	130	0	0		
1,4-Dichlorobenzene	37.44	5.0	50	0	74.9	70	130	0	0		
Dichlorodifluoromethane	60.98	5.0	50	0	122	70	130	0	0		
1,1-Dichloroethane	49.02	5.0	50	0	98	70	130	0	0		
1,2-Dichloroethane	46.56	5.0	50	0	93.1	70	130	0	0		
1,1-Dichloroethene	49.06	5.0	50	0	98.1	70	130	0	0		
cis-1,2-Dichloroethene	52.65	5.0	50	0	105	70	130	0	0		
trans-1,2-Dichloroethene	52.25	5.0	50	0	104	70	130	0	0		
1,2-Dichloropropane	53	5.0	50	0	106	70	130	0	0		
1,3-Dichloropropane	44.86	5.0	50	0	89.7	70	130	0	0		
2,2-Dichloropropane	51.76	5.0	50	0	104	70	130	0	0		
1,1-Dichloropropene	52.6	5.0	50	0	105	70	130	0	0		
cis-1,3-Dichloropropene	49.58	5.0	50	0	99.2	70	130	0	0		
trans-1,3-Dichloropropene	44.27	5.0	50	0	88.5	70	130	0	0		
Ethylbenzene	47.19	5.0	50	0	94.4	70	130	0	0		
Hexachlorobutadiene	39.07	5.0	50	0	78.1	70	130	0	0		
2-Hexanone	43.27	25	50	0	86.5	70	130	0	0		
Iodomethane	74.44	5.0	50	0	149	70	130	0	0		S
Isopropylbenzene	38.08	5.0	50	0	76.2	70	130	0	0		
p-Isopropyltoluene	38.82	5.0	50	0	77.6	70	130	0	0		
Methylene chloride	50.61	5.0	50	0	101	70	130	0	0		
4-Methyl-2-pentanone	45.41	25	50	0	90.8	70	130	0	0		
Methyl t-butyl ether (MTBE)	49.11	5.0	50	0	98.2	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	Vstd050CCV02051	SampType	LCS	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
		Batch ID	R3969	TestNo	SW8260B			Analysis Date	5/16/02	SeqNo	30241
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	45.22	10	50	0	90.4	70	130	0	0		
n-Propylbenzene	37.93	50	50	0	75.9	70	130	0	0		
Styrene	31.89	50	50	0	63.8	70	130	0	0		S
1,1,1,2-Tetrachloroethane	45.22	50	50	0	90.4	70	130	0	0		
1,1,2,2-Tetrachloroethane	35.92	50	50	0	71.8	70	130	0	0		
Tetrachloroethene	47.36	50	50	0	94.7	70	130	0	0		
Toluene	50.78	50	50	0	102	70	130	0	0		
1,2,3-Trichlorobenzene	45.63	50	50	0	91.3	70	130	0	0		
1,2,4-Trichlorobenzene	38.69	50	50	0	77.4	70	130	0	0		
1,1,1-Trichloroethane	45.23	50	50	0	90.5	70	130	0	0		
1,1,2-Trichloroethane	47.6	50	50	0	95.2	70	130	0	0		
Trichloroethene	51.6	50	50	0	103	70	130	0	0		
Trichlorofluoromethane	52.65	50	50	0	105	70	130	0	0		
1,2,3-Trichloropropane	32.72	50	50	0	65.4	70	130	0	0		S
1,2,4-Trimethylbenzene	38.24	50	50	0	76.5	70	130	0	0		
1,3,5-Trimethylbenzene	37.71	50	50	0	75.4	70	130	0	0		
Vinyl acetate	61.29	50	50	0	123	70	130	0	0		
Vinyl chloride	57.3	50	50	0	115	70	130	0	0		
o-Xylene	47.87	50	50	0	95.7	70	130	0	0		
m,p-Xylene	103.2	10	100	0	103	70	130	0	0		
Sum Dibromofluoromethane	54.61	0.50	50	0	109	34.8	158	0	0		
Sum Toluene-d8	40.48	0.50	50	0	81	80	122	0	0		
Sum 4-Bromofluorobenzene	64.61	0.50	50	0	129	64.1	145	0	0		

Sample ID	L0205128-001A M	SampType	MS	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
		Batch ID	R3969	TestNo	SW8260B			Analysis Date	5/16/02	SeqNo	30239
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	156.3	25	50	0	313	70	130	0	0		S
Benzene	86.93	50	50	0	174	70	130	0	0		S
Bromobenzene	45.29	50	50	0	90.6	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	L0205128-001A M	SampType	MS	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
Batch ID	R3969	TestNo	SW8260B	Analysis Date	5/16/02	SeqNo	30239				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	71.8	5.0	50	0	144	70	130	0	0		S
Bromodichloromethane	67.97	5.0	50	0	136	70	130	0	0		S
Bromoform	52.61	5.0	50	0	105	70	130	0	0		S
Bromomethane	81.42	5.0	50	0	163	70	130	0	0		S
2-Butanone	70.33	25	50	0	141	70	130	0	0		S
n-Butylbenzene	31.94	5.0	50	0	63.9	70	130	0	0		S
sec-Butylbenzene	35.09	5.0	50	0	70.2	70	130	0	0		S
tert Butylbenzene	35.9	5.0	50	0	71.8	70	130	0	0		S
Carbon disulfide	294.6	5.0	50	0	589	70	130	0	0		S
Carbon tetrachloride	52.53	5.0	50	0	105	70	130	0	0		S
Chlorobenzene	57.23	5.0	50	0	114	70	130	0	0		S
Chloroethane	74.79	5.0	50	0	150	70	130	0	0		S
2-Chloroethyl vinyl ether	6.01	5.0	50	0	12	70	130	0	0		S
Chloroform	67.31	5.0	50	0	135	70	130	0	0		S
Chloromethane	76.82	5.0	50	0	154	70	130	0	0		S
2-Chlorotoluene	40.8	5.0	50	0	81.6	70	130	0	0		S
4-Chlorotoluene	40.33	5.0	50	0	80.7	70	130	0	0		S
Dibromochloromethane	64.35	5.0	50	0	129	70	130	0	0		S
1,2-Dibromo-3-chloropropane	31.54	5.0	50	0	63.1	70	130	0	0		S
1,2-Dibromoethane	69.34	5.0	50	0	139	70	130	0	0		S
Dibromomethane	71.61	5.0	50	0	143	70	130	0	0		S
1,2-Dichlorobenzene	40.54	5.0	50	0	81.1	70	130	0	0		S
1,3-Dichlorobenzene	40.76	5.0	50	0	81.5	70	130	0	0		S
1,4-Dichlorobenzene	42.11	5.0	50	0	84.2	70	130	0	0		S
Dichlorodifluoromethane	62.4	5.0	50	0	125	70	130	0	0		S
1,1-Dichloroethane	74.92	5.0	50	0	150	70	130	0	0		S
1,2-Dichloroethane	66.43	5.0	50	0	133	70	130	0	0		S
1,1-Dichloroethene	56.45	5.0	50	0	113	70	130	0	0		S
cis-1,2-Dichloroethene	73.08	5.0	50	0	146	70	130	0	0		S
trans-1,2-Dichloroethene	66.33	5.0	50	0	133	70	130	0	0		S
1,2-Dichloropropane	72.92	5.0	50	0	146	70	130	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	L0205128-001A M	SampType	MS	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
Batch ID	R3969	TestNo	SW8260B	Analysis Date	5/16/02	SeqNo	30239				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropene	62.31	5.0	50	0	125	70	130	0	0		
2,2-Dichloropropene	25.41	5.0	50	0	50.8	70	130	0	0		S
1,1-Dichloropropene	58.4	5.0	50	0	117	70	130	0	0		
cis 1,3-Dichloropropene	58.2	5.0	50	0	116	70	130	0	0		
trans 1,3-Dichloropropene	54.04	5.0	50	0	108	70	130	0	0		
Ethylbenzene	53	5.0	50	0	106	70	130	0	0		
Hexachlorobutadiene	13	5.0	50	0	26	70	130	0	0		S
2-Hexanone	73.41	25	50	0	147	70	130	0	0		S
Iodomethane	102.3	5.0	50	0	205	70	130	0	0		S
Isopropylbenzene	40.04	5.0	50	0	80.1	70	130	0	0		
p Isopropyltoluene	34.61	5.0	50	0	69.2	70	130	0	0		S
Methylene chloride	73.98	5.0	50	0	148	70	130	0	0		S
4 Methyl-2-pentanone	76	25	50	0	152	70	130	0	0		S
Methyl t-butyl ether (MTBE)	75.61	5.0	50	0	151	70	130	0	0		S
Naphthalene	136.8	10	50	0	274	70	130	0	0		S
n-Propylbenzene	39.53	5.0	50	0	79.1	70	130	0	0		
Styrene	46.71	5.0	50	0	93.4	70	130	0	0		
1,1,1,2-Tetrachloroethane	57.18	5.0	50	0	114	70	130	0	0		
1,1,2,2-Tetrachloroethane	50.12	5.0	50	0	100	70	130	0	0		
Tetrachloroethene	77.54	5.0	50	37.13	80.8	70	130	0	0		
Toluene	63.84	5.0	50	0	128	70	130	0	0		
1,2,3-Trichlorobenzene	9.92	5.0	50	0	19.8	70	130	0	0		S
1,2,4-Trichlorobenzene	16.92	5.0	50	0	33.8	70	130	0	0		S
1,1,1-Trichloroethane	53.98	5.0	50	0	108	70	130	0	0		
1,1,2-Trichloroethane	70.89	5.0	50	0	142	70	130	0	0		S
Trichloroethene	67.78	5.0	50	7.16	121	70	130	0	0		
Trichlorofluoromethane	52.79	5.0	50	0	106	70	130	0	0		
1,2,3-Trichloropropane	45.82	5.0	50	0	91.6	70	130	0	0		
1,2,4-Trimethylbenzene	54.86	5.0	50	0	110	70	130	0	0		
1,3,5-Trimethylbenzene	41.61	5.0	50	0	83.2	70	130	0	0		
Vinyl acetate	53.97	5.0	50	0	108	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	L0205128-001A M	SampType	MS	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
Batch ID	R3969	TestNo	SW8260B	Analysis Date	5/16/02	SeqNo	30239				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	62.88	5.0	50	0	126	70	130	0	0		
o Xylene	55.52	5.0	50	0	111	70	130	0	0		
m,p-Xylene	114.6	10	100	0	115	70	130	0	0		
Su11 Dibromofluoromethane	56.28	0.50	50	0	113	34.8	158	0	0		
Su11 Toluene-d8	41.77	0.50	50	0	83.5	80	122	0	0		
Su11 4-Bromofluorobenzene	67.89	0.50	50	0	136	64.1	145	0	0		

Sample ID	L0205128-001A M	SampType	MSD	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
Batch ID	R3969	TestNo	SW8260B	Analysis Date	5/16/02	SeqNo	30240				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	150.6	25	50	0	301	70	130	156.3	3.75	25	S
Benzene	72.28	5.0	50	0	145	70	130	86.93	18.4	25	S
Bromobenzene	45.52	5.0	50	0	91	70	130	45.29	0.507	25	
Bromochloromethane	69.26	5.0	50	0	139	70	130	71.8	3.60	25	S
Bromodichloromethane	66.72	5.0	50	0	133	70	130	67.97	1.86	25	S
Bromoform	55.02	5.0	50	0	110	70	130	52.61	4.48	25	
Bromomethane	81.65	5.0	50	0	163	70	130	81.42	0.282	25	S
2-Butanone	74.04	25	50	0	148	70	130	70.33	5.14	25	S
n-Butylbenzene	34.48	5.0	50	0	69	70	130	31.94	7.65	25	S
sec-Butylbenzene	35.79	5.0	50	0	71.6	70	130	35.09	1.98	25	
tert-Butylbenzene	36.2	5.0	50	0	72.4	70	130	35.9	0.832	25	
Carbon disulfide	271.4	5.0	50	0	543	70	130	294.6	8.18	25	S
Carbon tetrachloride	48.33	5.0	50	0	96.7	70	130	52.53	8.33	25	
Chlorobenzene	58.86	5.0	50	0	118	70	130	57.23	2.81	25	
Chloroethane	72.25	5.0	50	0	144	70	130	74.79	3.45	25	S
2-Chloroethyl vinyl ether	ND	5.0	50	0	0	70	130	6.01	0	25	S
Chloroform	65.22	5.0	50	0	130	70	130	67.31	3.15	25	S
Chloromethane	76.71	5.0	50	0	153	70	130	76.82	0.143	25	S
2-Chlorotoluene	40.93	5.0	50	0	81.9	70	130	40.8	0.318	25	
4-Chlorotoluene	41.07	5.0	50	0	82.1	70	130	40.33	1.82	25	

Qualifier: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	L0205128-001A M	SampType	MSD	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
		Batch ID	R3969	TestNo	SW8260B			Analysis Date	5/16/02	SeqNo	30240
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	63.6	5.0	50	0	127	70	130	64.35	1.17	25	
1,2-Dibromo-3-chloropropane	50.37	5.0	50	0	101	70	130	31.54	46.0	25	R
1,2-Dibromoethane	70.37	5.0	50	0	141	70	130	69.34	1.47	25	S
Dibromomethane	72.64	5.0	50	0	145	70	130	71.61	1.43	25	S
1,2-Dichlorobenzene	44.6	5.0	50	0	89.2	70	130	40.54	9.54	25	
1,3-Dichlorobenzene	42.71	5.0	50	0	85.4	70	130	40.76	4.67	25	
1,4-Dichlorobenzene	44.57	5.0	50	0	89.1	70	130	42.11	5.68	25	
Dichlorodifluoromethane	52.41	5.0	50	0	105	70	130	62.4	17.4	25	
1,1-Dichloroethane	72.11	5.0	50	0	144	70	130	74.92	3.82	25	S
1,2-Dichloroethane	67.81	5.0	50	0	136	70	130	66.43	2.06	25	S
1,1-Dichloroethene	50.28	5.0	50	0	101	70	130	56.45	11.6	25	
cis-1,2-Dichloroethene	71.24	5.0	50	0	142	70	130	73.08	2.55	25	S
trans-1,2-Dichloroethene	62.62	5.0	50	0	125	70	130	66.33	5.75	25	
1,2-Dichloropropane	72.49	5.0	50	0	145	70	130	72.92	0.591	25	S
1,3-Dichloropropane	64.79	5.0	50	0	130	70	130	62.31	3.90	25	
2,2-Dichloropropane	24.48	5.0	50	0	49	70	130	25.41	3.73	25	S
1,1-Dichloropropene	54.16	5.0	50	0	108	70	130	58.4	7.53	25	
cis-1,3-Dichloropropene	59.42	5.0	50	0	119	70	130	58.2	2.07	25	
trans-1,3-Dichloropropene	54.47	5.0	50	0	109	70	130	54.04	0.793	25	
Ethylbenzene	52.02	5.0	50	0	104	70	130	53	1.87	25	
Hexachlorobutadiene	25.89	5.0	50	0	51.8	70	130	13	66.3	25	SR
2-Hexanone	76.28	25	50	0	153	70	130	73.41	3.83	25	S
Iodomethane	99	5.0	50	0	198	70	130	102.3	3.31	25	S
Isopropylbenzene	38.05	5.0	50	0	76.1	70	130	40.04	5.10	25	
p-Isopropyltoluene	36.67	5.0	50	0	73.3	70	130	34.61	5.78	25	
Methylene chloride	72.26	5.0	50	0	145	70	130	73.98	2.35	25	S
4-Methyl-2-pentanone	78.13	25	50	0	156	70	130	76	2.76	25	S
Methyl t-butyl ether (MTBE)	75.16	5.0	50	0	150	70	130	75.61	0.597	25	S
Naphthalene	96.79	10	50	0	194	70	130	136.8	34.3	25	SR
n-Propylbenzene	36.68	5.0	50	0	73.4	70	130	39.53	7.48	25	
Styrene	48.51	5.0	50	0	97	70	130	46.71	3.78	25	

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CLIENT: RSSN  
 Work Order: L0205127  
 Project: DPW-15B

## ANALYTICAL QC SUMMARY REPORT

BatchID: R3969

Sample ID	L0205128-001A M	SampType	MSD	TestCode	8260_W	Units	µg/L	Prep Date	Run ID	L_VOAMS-2_020516A	
Batch ID	R3969	TestNo	SW8260B	Analysis Date	5/16/02	SeqNo	30240				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	58.85	5.0	50	0	118	70	130	57.18	2.88	25	
1,1,2,2-Tetrachloroethane	54.48	5.0	50	0	109	70	130	50.12	8.34	25	
Tetraachloroethene	74.58	5.0	50	37.13	74.9	70	130	77.54	3.89	25	
Toluene	61.82	5.0	50	0	124	70	130	63.84	3.22	25	
1,2,3-Trichlorobenzene	36.26	5.0	50	0	72.5	70	130	9.92	114	25	R
1,2,4-Trichlorobenzene	38.47	5.0	50	0	76.9	70	130	16.92	77.8	25	R
1,1,1-Trichloroethane	49.96	5.0	50	0	99.9	70	130	53.98	7.74	25	
1,1,2-Trichloroethane	71.48	5.0	50	0	143	70	130	70.89	0.829	25	S
Trichloroethene	64.48	5.0	50	7.16	115	70	130	67.78	4.99	25	
Trichlorofluoromethane	45.84	5.0	50	0	91.7	70	130	52.79	14.1	25	
1,2,3-Trichloropropane	49.55	5.0	50	0	99.1	70	130	45.82	7.82	25	
1,2,4-Trimethylbenzene	42.28	5.0	50	0	84.6	70	130	54.86	25.9	25	R
1,3,5-Trimethylbenzene	38.93	5.0	50	0	77.9	70	130	41.61	6.66	25	
Vinyl acetate	52.39	5.0	50	0	105	70	130	53.97	2.97	25	
Vinyl chloride	57.28	5.0	50	0	115	70	130	62.88	9.32	25	
o-Xylene	54.72	5.0	50	0	109	70	130	55.52	1.45	25	
m,p-Xylene	114.2	10	100	0	114	70	130	114.6	0.332	25	
Surf Dibromofluoromethane	55.87	0.50	50	0	112	34.8	158	0	0	0	
Surf Toluene-d8	41.13	0.50	50	0	82.3	80	122	0	0	0	
Surf 4-Bromofluorobenzene	67.23	0.50	50	0	134	64.1	145	0	0	0	

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# NEL LABORATORIES

Reno • Las Vegas • Boise  
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Reno Division • 4750 Longley Lane, Suite 106 • Reno, Nevada 89502  
775-348-2522 • Fax 775-348-2546 • 800-368-5221

Company Republic Service Attention Nick Saines  
Address 7900 Vegas Valley Las Vegas NV 89149  
Phone Number 702-431-3020 Fax Number 702-431-3127  
Billing Address Same As Above Expected Date 5/16

Requested Turnaround  5-day  2-day  1-day  Other

Time/Date  
Sampled

Customer Sample Identification

NEL  
Identification

# of Containers

Matrix (Box #1)

Preservative (Box #2)

Analysis

Remarks

Time/Date Sampled	Customer Sample Identification	NEL Identification	# of Containers	Matrix (Box #1)	Preservative (Box #2)	Analysis	Remarks
1130 5-9-02	DPW-15B	01	3	AQA	X	SD60 Appendix 1 SD60 Appendix 2 Metals + Mn Surbic Ammonia / COD TOC Sulfide BOD Cl, Alk, TDS, SO4, NO2, NO3	
1115 5-9-02	FPW-15B-2	02	3	AQA	X		
1130 5-9-02	DPW-15B-PPM	03	1	AQB			X
1130 5-9-02	DPW-15B	0104	1	AQC			X
1130 5-9-02	DPW-15B		1	AQC			X
1130 5-9-02	DPW-15B		1	AQD			X
1130 5-9-02	DPW-15B		1	AQE			X
1130 5-9-02	DPW-15B		1	AQE			X

Custody Seal intact? Y N None Temp. 68  
Condition when received good

Box #1  
DW Drinking Water  
WW Waste Water  
OL Oil/Organic Liquid  
SD Solid  
AQ Aqueous  
A Air

Box #2  
A HCl  
B HNO<sub>3</sub>  
C H<sub>2</sub>SO<sub>4</sub>  
D NaOH  
E Ice Only  
F Other  
G Not Preserved

Relinquished by (Print)	(Signature)	Date/Time	Received by (Print)	(Signature)	Date/Time
<u>Ron Talliver</u>	<u>Ron Talliver</u>	<u>5-9-02 1255</u>	<u>MATT JATES</u>	<u>Matt Jates</u>	<u>5/9/02 1255</u>

The liability of NEL Laboratories Inc. is limited strictly to the price of sample analysis for those samples received in good condition by NEL. NEL is not responsible for loss, damage, resampling costs and/or qualified data related to samples not received in good condition. Including adequate sample volume and number of containers. Customer signature of this CoC constitutes a purchase order for NEL to perform work and constitutes acceptance of all NEL Standard Terms and Conditions. Signature also constitutes acceptance of NEL Standard List Prices for all services ordered here on, except those specified otherwise via an NEL Quotation for Testing Services in effect at the time of sample receipt. NEL turnaround times are measured in regular working days. Samples received at the laboratory after 16:30 will be considered received on the next working day. Commitment of laboratory to the requested turnaround time will be confirmed via Sample Confirmation transmitted to the fax number provided above.

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